Appendix A:
Air Quality/Greenhouse Gas Emissions Supporting Information

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3192 Juniper Avenue Project Construction Assumptions, CalEEMod Output, Construction Health Risk Assessment Calculations, AERMOD Modeling Output, and Climate Action Plan New Development Checklist

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3192 Juniper Avenue Project Construction Assumptions

Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Working Days Week	Number of Working Days	Phase Description
Site Preparation	Site Preparation	1/1/2019	2/25/2019	5	40	Phase 1
Grading	Grading	2/26/2019	2/27/2019	5	2	Phase 2
Building Construction	Building Construction	2/28/2019	7/17/2019	5	100	Phase 2
Paving	Paving	7/18/2019	7/24/2019	5	5	Phase 2
Architectural Coating	Architectural Coating	7/25/2019	7/31/2019	5	5	Phase 2

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Bore/Drill Rigs	1	2	221	0.5
Site Preparation	Cement and Mortar Mixers	1	6	9	0.56
Site Preparation	Skid Steer Loaders	1	6	65	0.37
Grading	Concrete/Industrial Saws	1	8	81	0.73
Grading	Rubber Tired Dozers	1	1	247	0.4
Grading	Tractors/Loaders/Backhoes	2	6	97	0.37
Building Construction	Cranes	1	4	231	0.29
Building Construction	Forklifts	2	6	89	0.2
Building Construction	Tractors/Loaders/Backhoes	2	8	97	0.37
Paving	Cement and Mortar Mixers	4	6	9	0.56
Paving	Pavers	1	7	130	0.42
Paving	Rollers	1	7	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7	97	0.37
Architectural Coating	Air Compressors	1	6	78	0.48

Construction Trips

Phase Name	Worker Trips per Day	Vendor Trips per Day	Total Hauling Trips	Worker Trip Length	Vendor Trip Length	Hauling Trip Length
Site Preparation	24	2	0	10.8	7.3	20
Grading	10	0	0	10.8	7.3	20
Building Construction	19	7	0	10.8	7.3	20
Paving	18	0	0	10.8	7.3	20
Architectural Coating	4	0	0	10.8	7.3	20

3192 Juniper Ave Project

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	3.52	1000sqft	0.00	3,524.00	0
Unrefrigerated Warehouse-No Rail	15.00	1000sqft	0.34	15,000.00	0
Other Asphalt Surfaces	0.42	Acre	0.42	18,295.20	0
Other Non-Asphalt Surfaces	0.18	Acre	0.18	7,840.80	0
Single Family Housing	1.00	Dwelling Unit	0.00	1,140.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2019
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 - 5129.0001 3192 Juniper Ave Project

Land Use - Based on site plan and project description
Phase 1 and Phase 2

Construction Phase - Estimated construction schedule
As a conservative estimate, Phase 2 was assumed to begin immediately following the completion of Phase 1

Off-road Equipment - Estimated construction equipment for Phase 1

Trips and VMT - Increased default worker trips and vendor trips in Phase 1

Grading - Area to be disturbed

Vehicle Trips - Based on the Focused Traffic Study for the Good Onward Cannabis Processing Project

Woodstoves - No woodburning

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	1.00	40.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	0.43	0.00
tblGrading	AcresOfGrading	0.00	0.60
tblLandUse	LandUseSquareFeet	3,520.00	3,524.00
tblLandUse	LandUseSquareFeet	1,800.00	1,140.00
tblLandUse	LotAcreage	0.08	0.00
tblLandUse	LotAcreage	0.32	0.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	8.00	24.00
tblVehicleTrips	ST_TR	1.32	20.99
tblVehicleTrips	ST_TR	9.91	0.00
tblVehicleTrips	ST_TR	1.68	0.60
tblVehicleTrips	SU_TR	0.68	20.99
tblVehicleTrips	SU_TR	8.62	0.00
tblVehicleTrips	SU_TR	1.68	0.60
tblVehicleTrips	WD_TR	6.97	20.99
tblVehicleTrips	WD_TR	9.52	0.00
tblVehicleTrips	WD_TR	1.68	0.60
tblWoodstoves	WoodstoveWoodMass	956.80	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					
2019	0.1755	0.6222	0.5150	9.3000e-004	0.0155	0.0343	0.0497	4.3200e-003	0.0316	0.0359	0.0000	84.1515	84.1515	0.0205	0.0000	84.6647
Maximum	**0.1755**	**0.6222**	**0.5150**	**9.3000e-004**	**0.0155**	**0.0343**	**0.0497**	**4.3200e-003**	**0.0316**	**0.0359**	**0.0000**	**84.1515**	**84.1515**	**0.0205**	**0.0000**	**84.6647**

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					
2019	0.1755	0.6222	0.5150	9.3000e-004	0.0148	0.0343	0.0491	4.0600e-003	0.0316	0.0357	0.0000	84.1515	84.1515	0.0205	0.0000	84.6646
Maximum	**0.1755**	**0.6222**	**0.5150**	**9.3000e-004**	**0.0148**	**0.0343**	**0.0491**	**4.0600e-003**	**0.0316**	**0.0357**	**0.0000**	**84.1515**	**84.1515**	**0.0205**	**0.0000**	**84.6646**

	ROG	**NOx**	**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**	**4.33**	**0.00**	**1.37**	**6.02**	**0.00**	**0.70**	**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	**1-1-2019**	**3-31-2019**	0.1981	0.1981
2	**4-1-2019**	**6-30-2019**	0.3866	0.3866
3	**7-1-2019**	**9-30-2019**	0.2103	0.2103
		Highest	0.3866	0.3866

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	0.0897	1.2000e-004	7.6500e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0437	0.0437	1.0000e-005	0.0000	0.0442
Energy	9.4000e-004	8.4500e-003	6.5400e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	35.5148	35.5148	1.3600e-003	4.2000e-004	35.6728
Mobile	0.0375	0.1922	0.4502	1.1900e-003	0.0898	1.9500e-003	0.0918	0.0242	1.8400e-003	0.0260	0.0000	109.1661	109.1661	5.2100e-003	0.0000	109.2963
Waste						0.0000	0.0000		0.0000	0.0000	4.0030	0.0000	4.0030	0.2366	0.0000	9.9172
Water						0.0000	0.0000		0.0000	0.0000	1.3794	6.8860	8.2653	0.1420	3.4100e-003	12.8311
Total	**0.1282**	**0.2008**	**0.4644**	**1.2400e-003**	**0.0898**	**2.6400e-003**	**0.0925**	**0.0242**	**2.5300e-003**	**0.0267**	**5.3824**	**151.6105**	**156.9929**	**0.3851**	**3.8300e-003**	**167.7616**

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	0.0897	1.2000e-004	7.6500e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0437	0.0437	1.0000e-005	0.0000	0.0442
Energy	9.4000e-004	8.4500e-003	6.5400e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	35.5148	35.5148	1.3600e-003	4.2000e-004	35.6728
Mobile	0.0372	0.1896	0.4434	1.1700e-003	0.0880	1.9100e-003	0.0900	0.0237	1.8100e-003	0.0255	0.0000	107.0864	107.0864	5.1300e-003	0.0000	107.2146
Waste						0.0000	0.0000		0.0000	0.0000	4.0030	0.0000	4.0030	0.2366	0.0000	9.9172
Water						0.0000	0.0000		0.0000	0.0000	1.3794	6.8860	8.2653	0.1420	3.4100e-003	12.8311
Total	**0.1279**	**0.1982**	**0.4576**	**1.2200e-003**	**0.0880**	**2.6000e-003**	**0.0906**	**0.0237**	**2.5000e-003**	**0.0262**	**5.3824**	**149.5308**	**154.9132**	**0.3851**	**3.8300e-003**	**165.6799**

	ROG	NOx	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	**0.25**	**1.30**	**1.45**	**1.61**	**2.00**	**1.52**	**1.98**	**2.03**	**1.19**	**1.95**	**0.00**	**1.37**	**1.32**	**0.02**	**0.00**	**1.24**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2019	2/25/2019	5	40	Phase 1
2	Grading	Grading	2/26/2019	2/27/2019	5	2	Phase 2
3	Building Construction	Building Construction	2/28/2019	7/17/2019	5	100	Phase 2
4	Paving	Paving	7/18/2019	7/24/2019	5	5	Phase 2
5	Architectural Coating	Architectural Coating	7/25/2019	7/31/2019	5	5	Phase 2

Acres of Grading (Site Preparation Phase): 0.3

Acres of Grading (Grading Phase): 0.6

Acres of Paving: 0.6

Residential Indoor: 2,309; Residential Outdoor: 770; Non-Residential Indoor: 27,786; Non-Residential Outdoor: 9,262; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Bore/Drill Rigs	1	2.00	221	0.50
Site Preparation	Cement and Mortar Mixers	1	6.00	9	0.56
Site Preparation	Skid Steer Loaders	1	6.00	65	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	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
Site Preparation	3	24.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	19.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	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

3.2 Site Preparation - 2019

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					1.6000e-004	0.0000	1.6000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0409	0.0358	9.0000e-005		1.5100e-003	1.5100e-003		1.4100e-003	1.4100e-003	0.0000	7.6777	7.6777	2.2800e-003	0.0000	7.7348
Total	**3.5500e-003**	**0.0409**	**0.0358**	**9.0000e-005**	**1.6000e-004**	**1.5100e-003**	**1.6700e-003**	**2.0000e-005**	**1.4100e-003**	**1.4300e-003**	**0.0000**	**7.6777**	**7.6777**	**2.2800e-003**	**0.0000**	**7.7348**

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	2.0000e-004	5.3000e-003	1.4000e-003	1.0000e-005	2.6000e-004	4.0000e-005	3.0000e-004	7.0000e-005	4.0000e-005	1.1000e-004	0.0000	1.0346	1.0346	7.0000e-005	0.0000	1.0364
Worker	2.4900e-003	1.8800e-003	0.0187	4.0000e-005	3.7700e-003	3.0000e-005	3.8000e-003	1.0000e-003	3.0000e-005	1.0300e-003	0.0000	3.5807	3.5807	1.5000e-004	0.0000	3.5843
Total	**2.6900e-003**	**7.1800e-003**	**0.0201**	**5.0000e-005**	**4.0300e-003**	**7.0000e-005**	**4.1000e-003**	**1.0700e-003**	**7.0000e-005**	**1.1400e-003**	**0.0000**	**4.6154**	**4.6154**	**2.2000e-004**	**0.0000**	**4.6207**

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					7.0000e-005	0.0000	7.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5500e-003	0.0409	0.0358	9.0000e-005		1.5100e-003	1.5100e-003		1.4100e-003	1.4100e-003	0.0000	7.6777	7.6777	2.2800e-003	0.0000	7.7348
Total	**3.5500e-003**	**0.0409**	**0.0358**	**9.0000e-005**	**7.0000e-005**	**1.5100e-003**	**1.5800e-003**	**1.0000e-005**	**1.4100e-003**	**1.4200e-003**	**0.0000**	**7.6777**	**7.6777**	**2.2800e-003**	**0.0000**	**7.7348**

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	2.0000e-004	5.3000e-003	1.4000e-003	1.0000e-005	2.6000e-004	4.0000e-005	3.0000e-004	7.0000e-005	4.0000e-005	1.1000e-004	0.0000	1.0346	1.0346	7.0000e-005	0.0000	1.0364
Worker	2.4900e-003	1.8800e-003	0.0187	4.0000e-005	3.7700e-003	3.0000e-005	3.8000e-003	1.0000e-003	3.0000e-005	1.0300e-003	0.0000	3.5807	3.5807	1.5000e-004	0.0000	3.5843
Total	**2.6900e-003**	**7.1800e-003**	**0.0201**	**5.0000e-005**	**4.0300e-003**	**7.0000e-005**	**4.1000e-003**	**1.0700e-003**	**7.0000e-005**	**1.1400e-003**	**0.0000**	**4.6154**	**4.6154**	**2.2000e-004**	**0.0000**	**4.6207**

3.3 Grading - 2019

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					1.0700e-003	0.0000	1.0700e-003	4.5000e-004	0.0000	4.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5000e-004	8.6000e-003	7.6900e-003	1.0000e-005		5.4000e-004	5.4000e-004		5.1000e-004	5.1000e-004	0.0000	1.0520	1.0520	2.0000e-004	0.0000	1.0570
Total	**9.5000e-004**	**8.6000e-003**	**7.6900e-003**	**1.0000e-005**	**1.0700e-003**	**5.4000e-004**	**1.6100e-003**	**4.5000e-004**	**5.1000e-004**	**9.6000e-004**	**0.0000**	**1.0520**	**1.0520**	**2.0000e-004**	**0.0000**	**1.0570**

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	5.0000e-005	4.0000e-005	3.9000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0746	0.0746	0.0000	0.0000	0.0747
Total	**5.0000e-005**	**4.0000e-005**	**3.9000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0746**	**0.0746**	**0.0000**	**0.0000**	**0.0747**

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					4.8000e-004	0.0000	4.8000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5000e-004	8.6000e-003	7.6900e-003	1.0000e-005		5.4000e-004	5.4000e-004		5.1000e-004	5.1000e-004	0.0000	1.0520	1.0520	2.0000e-004	0.0000	1.0570
Total	**9.5000e-004**	**8.6000e-003**	**7.6900e-003**	**1.0000e-005**	**4.8000e-004**	**5.4000e-004**	**1.0200e-003**	**2.0000e-004**	**5.1000e-004**	**7.1000e-004**	**0.0000**	**1.0520**	**1.0520**	**2.0000e-004**	**0.0000**	**1.0570**

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	5.0000e-005	4.0000e-005	3.9000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0746	0.0746	0.0000	0.0000	0.0747
Total	**5.0000e-005**	**4.0000e-005**	**3.9000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0746**	**0.0746**	**0.0000**	**0.0000**	**0.0747**

3.4 Building Construction - 2019

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	0.0479	0.4910	0.3772	5.7000e-004		0.0303	0.0303		0.0279	0.0279	0.0000	51.1502	51.1502	0.0162	0.0000	51.5548
Total	**0.0479**	**0.4910**	**0.3772**	**5.7000e-004**		**0.0303**	**0.0303**		**0.0279**	**0.0279**	**0.0000**	**51.1502**	**51.1502**	**0.0162**	**0.0000**	**51.5548**

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	1.7600e-003	0.0464	0.0123	9.0000e-005	2.2700e-003	3.6000e-004	2.6300e-003	6.6000e-004	3.5000e-004	1.0000e-003	0.0000	9.0531	9.0531	6.0000e-004	0.0000	9.0681
Worker	4.9300e-003	3.7200e-003	0.0370	8.0000e-005	7.4600e-003	6.0000e-005	7.5200e-003	1.9800e-003	6.0000e-005	2.0400e-003	0.0000	7.0868	7.0868	2.9000e-004	0.0000	7.0940
Total	**6.6900e-003**	**0.0501**	**0.0492**	**1.7000e-004**	**9.7300e-003**	**4.2000e-004**	**0.0102**	**2.6400e-003**	**4.1000e-004**	**3.0400e-003**	**0.0000**	**16.1399**	**16.1399**	**8.9000e-004**	**0.0000**	**16.1621**

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	0.0479	0.4910	0.3772	5.7000e-004		0.0303	0.0303		0.0279	0.0279	0.0000	51.1502	51.1502	0.0162	0.0000	51.5548
Total	**0.0479**	**0.4910**	**0.3772**	**5.7000e-004**		**0.0303**	**0.0303**		**0.0279**	**0.0279**	**0.0000**	**51.1502**	**51.1502**	**0.0162**	**0.0000**	**51.5548**

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	1.7600e-003	0.0464	0.0123	9.0000e-005	2.2700e-003	3.6000e-004	2.6300e-003	6.6000e-004	3.5000e-004	1.0000e-003	0.0000	9.0531	9.0531	6.0000e-004	0.0000	9.0681
Worker	4.9300e-003	3.7200e-003	0.0370	8.0000e-005	7.4600e-003	6.0000e-005	7.5200e-003	1.9800e-003	6.0000e-005	2.0400e-003	0.0000	7.0868	7.0868	2.9000e-004	0.0000	7.0940
Total	**6.6900e-003**	**0.0501**	**0.0492**	**1.7000e-004**	**9.7300e-003**	**4.2000e-004**	**0.0102**	**2.6400e-003**	**4.1000e-004**	**3.0400e-003**	**0.0000**	**16.1399**	**16.1399**	**8.9000e-004**	**0.0000**	**16.1621**

3.5 Paving - 2019

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	2.0700e-003	0.0196	0.0179	3.0000e-005		1.1100e-003	1.1100e-003		1.0300e-003	1.0300e-003	0.0000	2.3931	2.3931	6.8000e-004	0.0000	2.4102
Paving	5.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.6200e-003**	**0.0196**	**0.0179**	**3.0000e-005**		**1.1100e-003**	**1.1100e-003**		**1.0300e-003**	**1.0300e-003**	**0.0000**	**2.3931**	**2.3931**	**6.8000e-004**	**0.0000**	**2.4102**

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	1.8000e-004	1.7500e-003	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3357	0.3357	1.0000e-005	0.0000	0.3360
Total	**2.3000e-004**	**1.8000e-004**	**1.7500e-003**	**0.0000**	**3.5000e-004**	**0.0000**	**3.6000e-004**	**9.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.3357**	**0.3357**	**1.0000e-005**	**0.0000**	**0.3360**

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	2.0700e-003	0.0196	0.0179	3.0000e-005		1.1100e-003	1.1100e-003		1.0300e-003	1.0300e-003	0.0000	2.3931	2.3931	6.8000e-004	0.0000	2.4102
Paving	5.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.6200e-003**	**0.0196**	**0.0179**	**3.0000e-005**		**1.1100e-003**	**1.1100e-003**		**1.0300e-003**	**1.0300e-003**	**0.0000**	**2.3931**	**2.3931**	**6.8000e-004**	**0.0000**	**2.4102**

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	1.8000e-004	1.7500e-003	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3357	0.3357	1.0000e-005	0.0000	0.3360
Total	**2.3000e-004**	**1.8000e-004**	**1.7500e-003**	**0.0000**	**3.5000e-004**	**0.0000**	**3.6000e-004**	**9.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.3357**	**0.3357**	**1.0000e-005**	**0.0000**	**0.3360**

3.6 Architectural Coating - 2019

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	0.1101					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7000e-004	4.5900e-003	4.6000e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6397
Total	**0.1107**	**4.5900e-003**	**4.6000e-003**	**1.0000e-005**		**3.2000e-004**	**3.2000e-004**		**3.2000e-004**	**3.2000e-004**	**0.0000**	**0.6383**	**0.6383**	**5.0000e-005**	**0.0000**	**0.6397**

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	5.0000e-005	4.0000e-005	3.9000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0746	0.0746	0.0000	0.0000	0.0747
Total	**5.0000e-005**	**4.0000e-005**	**3.9000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0746**	**0.0746**	**0.0000**	**0.0000**	**0.0747**

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	0.1101					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7000e-004	4.5900e-003	4.6000e-003	1.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6397
Total	**0.1107**	**4.5900e-003**	**4.6000e-003**	**1.0000e-005**		**3.2000e-004**	**3.2000e-004**		**3.2000e-004**	**3.2000e-004**	**0.0000**	**0.6383**	**0.6383**	**5.0000e-005**	**0.0000**	**0.6397**

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	5.0000e-005	4.0000e-005	3.9000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0746	0.0746	0.0000	0.0000	0.0747
Total	**5.0000e-005**	**4.0000e-005**	**3.9000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0746**	**0.0746**	**0.0000**	**0.0000**	**0.0747**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	0.0372	0.1896	0.4434	1.1700e-003	0.0880	1.9100e-003	0.0900	0.0237	1.8100e-003	0.0255	0.0000	107.0864	107.0864	5.1300e-003	0.0000	107.2146
Unmitigated	0.0375	0.1922	0.4502	1.1900e-003	0.0898	1.9500e-003	0.0918	0.0242	1.8400e-003	0.0260	0.0000	109.1661	109.1661	5.2100e-003	0.0000	109.2963

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	73.88	73.88	73.88	215,707	211,393
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	9.00	9.00	9.00	26,276	25,750
Total	82.88	82.88	82.88	241,983	237,143

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276
Other Asphalt Surfaces	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276
Other Non-Asphalt Surfaces	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276
Single Family Housing	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276
Unrefrigerated Warehouse-No Rail	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276

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	26.2253	26.2253	1.1900e-003	2.5000e-004	26.3281
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	26.2253	26.2253	1.1900e-003	2.5000e-004	26.3281
NaturalGas Mitigated	9.4000e-004	8.4500e-003	6.5400e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.2895	9.2895	1.8000e-004	1.7000e-004	9.3447
NaturalGas Unmitigated	9.4000e-004	8.4500e-003	6.5400e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.2895	9.2895	1.8000e-004	1.7000e-004	9.3447

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 Light Industry	92963.1	5.0000e-004	4.5600e-003	3.8300e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9609	4.9609	1.0000e-004	9.0000e-005	4.9904
Other 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
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
Single Family Housing	29065.1	1.6000e-004	1.3400e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5510	1.5510	3.0000e-005	3.0000e-005	1.5602
Unrefrigerated Warehouse-No Rail	52050	2.8000e-004	2.5500e-003	2.1400e-003	2.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.7776	2.7776	5.0000e-005	5.0000e-005	2.7941
Total		**9.4000e-004**	**8.4500e-003**	**6.5400e-003**	**6.0000e-005**		**6.5000e-004**	**6.5000e-004**		**6.5000e-004**	**6.5000e-004**	**0.0000**	**9.2895**	**9.2895**	**1.8000e-004**	**1.7000e-004**	**9.3447**

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 Light Industry	92963.1	5.0000e-004	4.5600e-003	3.8300e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9609	4.9609	1.0000e-004	9.0000e-005	4.9904
Other 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
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
Single Family Housing	29065.1	1.6000e-004	1.3400e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5510	1.5510	3.0000e-005	3.0000e-005	1.5602
Unrefrigerated Warehouse-No Rail	52050	2.8000e-004	2.5500e-003	2.1400e-003	2.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.7776	2.7776	5.0000e-005	5.0000e-005	2.7941
Total		**9.4000e-004**	**8.4500e-003**	**6.5400e-003**	**6.0000e-005**		**6.5000e-004**	**6.5000e-004**		**6.5000e-004**	**6.5000e-004**	**0.0000**	**9.2895**	**9.2895**	**1.8000e-004**	**1.7000e-004**	**9.3447**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	29108.2	8.4679	3.8000e-004	8.0000e-005	8.5011
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8090.57	2.3536	1.1000e-004	2.0000e-005	2.3629
Unrefrigerated Warehouse-No Rail	52950	15.4038	7.0000e-004	1.4000e-004	15.4641
Total		**26.2253**	**1.1900e-003**	**2.4000e-004**	**26.3281**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	29108.2	8.4679	3.8000e-004	8.0000e-005	8.5011
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8090.57	2.3536	1.1000e-004	2.0000e-005	2.3629
Unrefrigerated Warehouse-No Rail	52950	15.4038	7.0000e-004	1.4000e-004	15.4641
Total		**26.2253**	**1.1900e-003**	**2.4000e-004**	**26.3281**

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	0.0897	1.2000e-004	7.6500e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0437	0.0437	1.0000e-005	0.0000	0.0442
Unmitigated	0.0897	1.2000e-004	7.6500e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0437	0.0437	1.0000e-005	0.0000	0.0442

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	0.0110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0785					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	3.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0312	0.0312	0.0000	0.0000	0.0314
Landscaping	2.5000e-004	9.0000e-005	7.6400e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0125	0.0125	1.0000e-005	0.0000	0.0128
Total	**0.0898**	**1.2000e-004**	**7.6500e-003**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0437**	**0.0437**	**1.0000e-005**	**0.0000**	**0.0442**

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	0.0110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0785					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	3.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0312	0.0312	0.0000	0.0000	0.0314
Landscaping	2.5000e-004	9.0000e-005	7.6400e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0125	0.0125	1.0000e-005	0.0000	0.0128
Total	**0.0898**	**1.2000e-004**	**7.6500e-003**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0437**	**0.0437**	**1.0000e-005**	**0.0000**	**0.0442**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	8.2653	0.1420	3.4100e-003	12.8311
Unmitigated	8.2653	0.1420	3.4100e-003	12.8311

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.814 / 0	1.5396	0.0266	6.4000e-004	2.3943
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.065154 / 0.0410754	0.1651	2.1300e-003	5.0000e-005	0.2336
Unrefrigerated Warehouse-No Rail	3.46875 / 0	6.5607	0.1133	2.7200e-003	10.2032
Total		**8.2653**	**0.1420**	**3.4100e-003**	**12.8311**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.814 / 0	1.5396	0.0266	6.4000e-004	2.3943
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.065154 / 0.0410754	0.1651	2.1300e-003	5.0000e-005	0.2336
Unrefrigerated Warehouse-No Rail	3.46875 / 0	6.5607	0.1133	2.7200e-003	10.2032
Total		**8.2653**	**0.1420**	**3.4100e-003**	**12.8311**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.0030	0.2366	0.0000	9.9172
Unmitigated	4.0030	0.2366	0.0000	9.9172

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	4.36	0.8850	0.0523	0.0000	2.1927
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.26	0.2558	0.0151	0.0000	0.6337
Unrefrigerated Warehouse-No Rail	14.1	2.8622	0.1692	0.0000	7.0909
Total		**4.0030**	**0.2366**	**0.0000**	**9.9172**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	4.36	0.8850	0.0523	0.0000	2.1927
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.26	0.2558	0.0151	0.0000	0.6337
Unrefrigerated Warehouse-No Rail	14.1	2.8622	0.1692	0.0000	7.0909
Total		**4.0030**	**0.2366**	**0.0000**	**9.9172**

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

3192 Juniper Ave Project

Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	3.52	1000sqft	0.00	3,524.00	0
Unrefrigerated Warehouse-No Rail	15.00	1000sqft	0.34	15,000.00	0
Other Asphalt Surfaces	0.42	Acre	0.42	18,295.20	0
Other Non-Asphalt Surfaces	0.18	Acre	0.18	7,840.80	0
Single Family Housing	1.00	Dwelling Unit	0.00	1,140.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2019
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 - 5129.0001 3192 Juniper Ave Project

Land Use - Based on site plan and project description
Phase 1 and Phase 2

Construction Phase - Estimated construction schedule
As a conservative estimate, Phase 2 was assumed to begin immediately following the completion of Phase 1

Off-road Equipment - Estimated construction equipment for Phase 1

Trips and VMT - Increased default worker trips and vendor trips in Phase 1

Grading - Area to be disturbed

Vehicle Trips - Based on the Focused Traffic Study for the Good Onward Cannabis Processing Project

Woodstoves - No woodburning

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	1.00	40.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	0.43	0.00
tblGrading	AcresOfGrading	0.00	0.60
tblLandUse	LandUseSquareFeet	3,520.00	3,524.00
tblLandUse	LandUseSquareFeet	1,800.00	1,140.00
tblLandUse	LotAcreage	0.08	0.00
tblLandUse	LotAcreage	0.32	0.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	8.00	24.00
tblVehicleTrips	ST_TR	1.32	20.99
tblVehicleTrips	ST_TR	9.91	0.00
tblVehicleTrips	ST_TR	1.68	0.60
tblVehicleTrips	SU_TR	0.68	20.99
tblVehicleTrips	SU_TR	8.62	0.00
tblVehicleTrips	SU_TR	1.68	0.60
tblVehicleTrips	WD_TR	6.97	20.99
tblVehicleTrips	WD_TR	9.52	0.00
tblVehicleTrips	WD_TR	1.68	0.60
tblWoodstoves	WoodstoveWoodMass	956.80	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					
2019	44.3156	10.8032	8.5521	0.0149	1.1531	0.6138	1.6908	0.4699	0.5650	0.9830	0.0000	1,495.2534	1,495.2534	0.3762	0.0000	1,504.6580
Maximum	**44.3156**	**10.8032**	**8.5521**	**0.0149**	**1.1531**	**0.6138**	**1.6908**	**0.4699**	**0.5650**	**0.9830**	**0.0000**	**1,495.2534**	**1,495.2534**	**0.3762**	**0.0000**	**1,504.6580**

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					
2019	44.3156	10.8032	8.5521	0.0149	0.5641	0.6138	1.1018	0.2235	0.5650	0.7365	0.0000	1,495.2534	1,495.2534	0.3762	0.0000	1,504.6580
Maximum	**44.3156**	**10.8032**	**8.5521**	**0.0149**	**0.5641**	**0.6138**	**1.1018**	**0.2235**	**0.5650**	**0.7365**	**0.0000**	**1,495.2534**	**1,495.2534**	**0.3762**	**0.0000**	**1,504.6580**

	ROG	**NOx**	**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**	**51.08**	**0.00**	**34.84**	**52.45**	**0.00**	**25.07**	**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	0.4937	5.8200e-003	0.0869	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3292	6.3292	2.8000e-004	1.1000e-004	6.3698
Energy	5.1400e-003	0.0463	0.0358	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003		56.1090	56.1090	1.0800e-003	1.0300e-003	56.4424
Mobile	0.2273	1.0170	2.5345	6.8600e-003	0.5162	0.0107	0.5269	0.1384	0.0101	0.1485		693.0007	693.0007	0.0318		693.7954
Total	**0.7261**	**1.0691**	**2.6572**	**7.1800e-003**	**0.5162**	**0.0151**	**0.5313**	**0.1384**	**0.0145**	**0.1529**	**0.0000**	**755.4389**	**755.4389**	**0.0332**	**1.1400e-003**	**756.6076**

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	0.4937	5.8200e-003	0.0869	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3292	6.3292	2.8000e-004	1.1000e-004	6.3698
Energy	5.1400e-003	0.0463	0.0358	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003		56.1090	56.1090	1.0800e-003	1.0300e-003	56.4424
Mobile	0.2255	1.0034	2.4938	6.7300e-003	0.5059	0.0105	0.5163	0.1357	9.9000e-003	0.1456		679.7900	679.7900	0.0313		680.5724
Total	**0.7243**	**1.0555**	**2.6166**	**7.0500e-003**	**0.5059**	**0.0149**	**0.5207**	**0.1357**	**0.0143**	**0.1500**	**0.0000**	**742.2282**	**742.2282**	**0.0327**	**1.1400e-003**	**743.3847**

	ROG	**NOx**	**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	**0.24**	**1.28**	**1.53**	**1.81**	**2.00**	**1.33**	**1.98**	**1.99**	**1.31**	**1.94**	**0.00**	**1.75**	**1.75**	**1.48**	**0.00**	**1.75**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2019	2/25/2019	5	40	Phase 1
2	Grading	Grading	2/26/2019	2/27/2019	5	2	Phase 2
3	Building Construction	Building Construction	2/28/2019	7/17/2019	5	100	Phase 2
4	Paving	Paving	7/18/2019	7/24/2019	5	5	Phase 2
5	Architectural Coating	Architectural Coating	7/25/2019	7/31/2019	5	5	Phase 2

Acres of Grading (Site Preparation Phase): 0.3

Acres of Grading (Grading Phase): 0.6

Acres of Paving: 0.6

Residential Indoor: 2,309; Residential Outdoor: 770; Non-Residential Indoor: 27,786; Non-Residential Outdoor: 9,262; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Bore/Drill Rigs	1	2.00	221	0.50
Site Preparation	Cement and Mortar Mixers	1	6.00	9	0.56
Site Preparation	Skid Steer Loaders	1	6.00	65	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	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
Site Preparation	3	24.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	19.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	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

3.2 Site Preparation - 2019

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					7.9500e-003	0.0000	7.9500e-003	8.6000e-004	0.0000	8.6000e-004			0.0000			0.0000
Off-Road	0.1774	2.0440	1.7906	4.4300e-003		0.0757	0.0757		0.0705	0.0705		423.1617	423.1617	0.1258		426.3075
Total	**0.1774**	**2.0440**	**1.7906**	**4.4300e-003**	**7.9500e-003**	**0.0757**	**0.0836**	**8.6000e-004**	**0.0705**	**0.0714**		**423.1617**	**423.1617**	**0.1258**		**426.3075**

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	9.8600e-003	0.2617	0.0661	5.4000e-004	0.0135	2.0400e-003	0.0155	3.8700e-003	1.9500e-003	5.8200e-003		57.5243	57.5243	3.6600e-003		57.6157
Worker	0.1277	0.0839	0.9825	2.1100e-003	0.1972	1.5900e-003	0.1988	0.0523	1.4700e-003	0.0538		209.9984	209.9984	8.3400e-003		210.2070
Total	**0.1376**	**0.3456**	**1.0485**	**2.6500e-003**	**0.2106**	**3.6300e-003**	**0.2143**	**0.0562**	**3.4200e-003**	**0.0596**		**267.5227**	**267.5227**	**0.0120**		**267.8227**

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					3.5800e-003	0.0000	3.5800e-003	3.9000e-004	0.0000	3.9000e-004			0.0000			0.0000
Off-Road	0.1774	2.0440	1.7906	4.4300e-003		0.0757	0.0757		0.0705	0.0705	0.0000	423.1617	423.1617	0.1258		426.3075
Total	**0.1774**	**2.0440**	**1.7906**	**4.4300e-003**	**3.5800e-003**	**0.0757**	**0.0793**	**3.9000e-004**	**0.0705**	**0.0709**	**0.0000**	**423.1617**	**423.1617**	**0.1258**		**426.3075**

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	9.8600e-003	0.2617	0.0661	5.4000e-004	0.0135	2.0400e-003	0.0155	3.8700e-003	1.9500e-003	5.8200e-003		57.5243	57.5243	3.6600e-003		57.6157
Worker	0.1277	0.0839	0.9825	2.1100e-003	0.1972	1.5900e-003	0.1988	0.0523	1.4700e-003	0.0538		209.9984	209.9984	8.3400e-003		210.2070
Total	**0.1376**	**0.3456**	**1.0485**	**2.6500e-003**	**0.2106**	**3.6300e-003**	**0.2143**	**0.0562**	**3.4200e-003**	**0.0596**		**267.5227**	**267.5227**	**0.0120**		**267.8227**

3.3 Grading - 2019

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					1.0709	0.0000	1.0709	0.4481	0.0000	0.4481			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125		1,159.6570	1,159.6570	0.2211		1,165.1847
Total	**0.9530**	**8.6039**	**7.6917**	**0.0120**	**1.0709**	**0.5371**	**1.6080**	**0.4481**	**0.5125**	**0.9606**		**1,159.6570**	**1,159.6570**	**0.2211**		**1,165.1847**

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	0.0532	0.0349	0.4094	8.8000e-004	0.0822	6.6000e-004	0.0828	0.0218	6.1000e-004	0.0224		87.4993	87.4993	3.4800e-003		87.5863
Total	**0.0532**	**0.0349**	**0.4094**	**8.8000e-004**	**0.0822**	**6.6000e-004**	**0.0828**	**0.0218**	**6.1000e-004**	**0.0224**		**87.4993**	**87.4993**	**3.4800e-003**		**87.5863**

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					0.4819	0.0000	0.4819	0.2017	0.0000	0.2017			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847
Total	**0.9530**	**8.6039**	**7.6917**	**0.0120**	**0.4819**	**0.5371**	**1.0190**	**0.2017**	**0.5125**	**0.7141**	**0.0000**	**1,159.6570**	**1,159.6570**	**0.2211**		**1,165.1847**

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	0.0532	0.0349	0.4094	8.8000e-004	0.0822	6.6000e-004	0.0828	0.0218	6.1000e-004	0.0224		87.4993	87.4993	3.4800e-003		87.5863
Total	**0.0532**	**0.0349**	**0.4094**	**8.8000e-004**	**0.0822**	**6.6000e-004**	**0.0828**	**0.0218**	**6.1000e-004**	**0.0224**		**87.4993**	**87.4993**	**3.4800e-003**		**87.5863**

3.4 Building Construction - 2019

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	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892
Total	**0.9576**	**9.8207**	**7.5432**	**0.0114**		**0.6054**	**0.6054**		**0.5569**	**0.5569**		**1,127.6696**	**1,127.6696**	**0.3568**		**1,136.5892**

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	0.0345	0.9161	0.2312	1.8900e-003	0.0471	7.1500e-003	0.0543	0.0136	6.8400e-003	0.0204		201.3350	201.3350	0.0128		201.6549
Worker	0.1011	0.0664	0.7778	1.6700e-003	0.1561	1.2600e-003	0.1573	0.0414	1.1600e-003	0.0426		166.2487	166.2487	6.6100e-003		166.4139
Total	**0.1356**	**0.9825**	**1.0089**	**3.5600e-003**	**0.2032**	**8.4100e-003**	**0.2116**	**0.0550**	**8.0000e-003**	**0.0630**		**367.5837**	**367.5837**	**0.0194**		**368.0688**

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	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892
Total	**0.9576**	**9.8207**	**7.5432**	**0.0114**		**0.6054**	**0.6054**		**0.5569**	**0.5569**	**0.0000**	**1,127.6696**	**1,127.6696**	**0.3568**		**1,136.5892**

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	0.0345	0.9161	0.2312	1.8900e-003	0.0471	7.1500e-003	0.0543	0.0136	6.8400e-003	0.0204		201.3350	201.3350	0.0128		201.6549
Worker	0.1011	0.0664	0.7778	1.6700e-003	0.1561	1.2600e-003	0.1573	0.0414	1.1600e-003	0.0426		166.2487	166.2487	6.6100e-003		166.4139
Total	**0.1356**	**0.9825**	**1.0089**	**3.5600e-003**	**0.2032**	**8.4100e-003**	**0.2116**	**0.0550**	**8.0000e-003**	**0.0630**		**367.5837**	**367.5837**	**0.0194**		**368.0688**

3.5 Paving - 2019

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	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106		1,055.1823	1,055.1823	0.3016		1,062.7231
Paving	0.2201					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0500**	**7.8446**	**7.1478**	**0.0113**		**0.4425**	**0.4425**		**0.4106**	**0.4106**		**1,055.1823**	**1,055.1823**	**0.3016**		**1,062.7231**

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	0.0958	0.0629	0.7368	1.5800e-003	0.1479	1.1900e-003	0.1491	0.0392	1.1000e-003	0.0403		157.4988	157.4988	6.2600e-003		157.6553
Total	**0.0958**	**0.0629**	**0.7368**	**1.5800e-003**	**0.1479**	**1.1900e-003**	**0.1491**	**0.0392**	**1.1000e-003**	**0.0403**		**157.4988**	**157.4988**	**6.2600e-003**		**157.6553**

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	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106	0.0000	1,055.1823	1,055.1823	0.3016		1,062.7231
Paving	0.2201					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0500**	**7.8446**	**7.1478**	**0.0113**		**0.4425**	**0.4425**		**0.4106**	**0.4106**	**0.0000**	**1,055.1823**	**1,055.1823**	**0.3016**		**1,062.7231**

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	0.0958	0.0629	0.7368	1.5800e-003	0.1479	1.1900e-003	0.1491	0.0392	1.1000e-003	0.0403		157.4988	157.4988	6.2600e-003		157.6553
Total	**0.0958**	**0.0629**	**0.7368**	**1.5800e-003**	**0.1479**	**1.1900e-003**	**0.1491**	**0.0392**	**1.1000e-003**	**0.0403**		**157.4988**	**157.4988**	**6.2600e-003**		**157.6553**

3.6 Architectural Coating - 2019

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	44.0279					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**44.2943**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

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	0.0213	0.0140	0.1637	3.5000e-004	0.0329	2.7000e-004	0.0331	8.7200e-003	2.4000e-004	8.9600e-003		34.9997	34.9997	1.3900e-003		35.0345
Total	**0.0213**	**0.0140**	**0.1637**	**3.5000e-004**	**0.0329**	**2.7000e-004**	**0.0331**	**8.7200e-003**	**2.4000e-004**	**8.9600e-003**		**34.9997**	**34.9997**	**1.3900e-003**		**35.0345**

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	44.0279					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**44.2943**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

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	0.0213	0.0140	0.1637	3.5000e-004	0.0329	2.7000e-004	0.0331	8.7200e-003	2.4000e-004	8.9600e-003		34.9997	34.9997	1.3900e-003		35.0345
Total	**0.0213**	**0.0140**	**0.1637**	**3.5000e-004**	**0.0329**	**2.7000e-004**	**0.0331**	**8.7200e-003**	**2.4000e-004**	**8.9600e-003**		**34.9997**	**34.9997**	**1.3900e-003**		**35.0345**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	0.2255	1.0034	2.4938	6.7300e-003	0.5059	0.0105	0.5163	0.1357	9.9000e-003	0.1456		679.7900	679.7900	0.0313		680.5724
Unmitigated	0.2273	1.0170	2.5345	6.8600e-003	0.5162	0.0107	0.5269	0.1384	0.0101	0.1485		693.0007	693.0007	0.0318		693.7954

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	73.88	73.88	73.88	215,707	211,393
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	9.00	9.00	9.00	26,276	25,750
Total	82.88	82.88	82.88	241,983	237,143

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 Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276
Other Asphalt Surfaces	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276
Other Non-Asphalt Surfaces	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276
Single Family Housing	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276
Unrefrigerated Warehouse-No Rail	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276

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	5.1400e-003	0.0463	0.0358	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003		56.1090	56.1090	1.0800e-003	1.0300e-003	56.4424
NaturalGas Unmitigated	5.1400e-003	0.0463	0.0358	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003		56.1090	56.1090	1.0800e-003	1.0300e-003	56.4424

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					
General Light Industry	254.693	2.7500e-003	0.0250	0.0210	1.5000e-004		1.9000e-003	1.9000e-003		1.9000e-003	1.9000e-003		29.9639	29.9639	5.7000e-004	5.5000e-004	30.1420
Other 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
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
Single Family Housing	79.6304	8.6000e-004	7.3400e-003	3.1200e-003	5.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004		9.3683	9.3683	1.8000e-004	1.7000e-004	9.4240
Unrefrigerated Warehouse-No Rail	142.603	1.5400e-003	0.0140	0.0117	8.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		16.7768	16.7768	3.2000e-004	3.1000e-004	16.8765
Total		**5.1500e-003**	**0.0463**	**0.0358**	**2.8000e-004**		**3.5500e-003**	**3.5500e-003**		**3.5500e-003**	**3.5500e-003**		**56.1090**	**56.1090**	**1.0700e-003**	**1.0300e-003**	**56.4424**

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					
General Light Industry	0.254693	2.7500e-003	0.0250	0.0210	1.5000e-004		1.9000e-003	1.9000e-003		1.9000e-003	1.9000e-003		29.9639	29.9639	5.7000e-004	5.5000e-004	30.1420
Other 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
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
Single Family Housing	0.0796304	8.6000e-004	7.3400e-003	3.1200e-003	5.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004		9.3683	9.3683	1.8000e-004	1.7000e-004	9.4240
Unrefrigerated Warehouse-No Rail	0.142603	1.5400e-003	0.0140	0.0117	8.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		16.7768	16.7768	3.2000e-004	3.1000e-004	16.8765
Total		**5.1500e-003**	**0.0463**	**0.0358**	**2.8000e-004**		**3.5500e-003**	**3.5500e-003**		**3.5500e-003**	**3.5500e-003**		**56.1090**	**56.1090**	**1.0700e-003**	**1.0300e-003**	**56.4424**

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	lb/day										lb/day					
Mitigated	0.4937	5.8200e-003	0.0869	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3292	6.3292	2.8000e-004	1.1000e-004	6.3698
Unmitigated	0.4937	5.8200e-003	0.0869	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3292	6.3292	2.8000e-004	1.1000e-004	6.3698

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	0.0603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	5.7000e-004	4.8400e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	6.1765	6.1765	1.2000e-004	1.1000e-004	6.2132
Landscaping	2.7200e-003	9.8000e-004	0.0849	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1527	0.1527	1.6000e-004		0.1567
Total	**0.4937**	**5.8200e-003**	**0.0869**	**3.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**6.3292**	**6.3292**	**2.8000e-004**	**1.1000e-004**	**6.3698**

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	0.0603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	5.7000e-004	4.8400e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	6.1765	6.1765	1.2000e-004	1.1000e-004	6.2132
Landscaping	2.7200e-003	9.8000e-004	0.0849	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1527	0.1527	1.6000e-004		0.1567
Total	**0.4937**	**5.8200e-003**	**0.0869**	**3.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**6.3292**	**6.3292**	**2.8000e-004**	**1.1000e-004**	**6.3698**

7.0 Water Detail

7.1 Mitigation Measures Water

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

3192 Juniper Ave Project

Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	3.52	1000sqft	0.00	3,524.00	0
Unrefrigerated Warehouse-No Rail	15.00	1000sqft	0.34	15,000.00	0
Other Asphalt Surfaces	0.42	Acre	0.42	18,295.20	0
Other Non-Asphalt Surfaces	0.18	Acre	0.18	7,840.80	0
Single Family Housing	1.00	Dwelling Unit	0.00	1,140.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2019
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 - 5129.0001 3192 Juniper Ave Project

Land Use - Based on site plan and project description
Phase 1 and Phase 2

Construction Phase - Estimated construction schedule
As a conservative estimate, Phase 2 was assumed to begin immediately following the completion of Phase 1

Off-road Equipment - Estimated construction equipment for Phase 1

Trips and VMT - Increased default worker trips and vendor trips in Phase 1

Grading - Area to be disturbed

Vehicle Trips - Based on the Focused Traffic Study for the Good Onward Cannabis Processing Project

Woodstoves - No woodburning

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	1.00	40.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	0.43	0.00
tblGrading	AcresOfGrading	0.00	0.60
tblLandUse	LandUseSquareFeet	3,520.00	3,524.00
tblLandUse	LandUseSquareFeet	1,800.00	1,140.00
tblLandUse	LotAcreage	0.08	0.00
tblLandUse	LotAcreage	0.32	0.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	8.00	24.00
tblVehicleTrips	ST_TR	1.32	20.99
tblVehicleTrips	ST_TR	9.91	0.00
tblVehicleTrips	ST_TR	1.68	0.60
tblVehicleTrips	SU_TR	0.68	20.99
tblVehicleTrips	SU_TR	8.62	0.00
tblVehicleTrips	SU_TR	1.68	0.60
tblVehicleTrips	WD_TR	6.97	20.99
tblVehicleTrips	WD_TR	9.52	0.00
tblVehicleTrips	WD_TR	1.68	0.60
tblWoodstoves	WoodstoveWoodMass	956.80	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					
2019	44.3173	10.8322	8.5694	0.0148	1.1531	0.6140	1.6908	0.4699	0.5651	0.9830	0.0000	1,479.3565	1,479.3565	0.3770	0.0000	1,488.7817
Maximum	**44.3173**	**10.8322**	**8.5694**	**0.0148**	**1.1531**	**0.6140**	**1.6908**	**0.4699**	**0.5651**	**0.9830**	**0.0000**	**1,479.3565**	**1,479.3565**	**0.3770**	**0.0000**	**1,488.7817**

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					
2019	44.3173	10.8322	8.5694	0.0148	0.5641	0.6140	1.1018	0.2235	0.5651	0.7365	0.0000	1,479.3565	1,479.3565	0.3770	0.0000	1,488.7817
Maximum	**44.3173**	**10.8322**	**8.5694**	**0.0148**	**0.5641**	**0.6140**	**1.1018**	**0.2235**	**0.5651**	**0.7365**	**0.0000**	**1,479.3565**	**1,479.3565**	**0.3770**	**0.0000**	**1,488.7817**

	ROG	**NOx**	**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**	**51.08**	**0.00**	**34.84**	**52.45**	**0.00**	**25.07**	**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	0.4937	5.8200e-003	0.0869	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3292	6.3292	2.8000e-004	1.1000e-004	6.3698
Energy	5.1400e-003	0.0463	0.0358	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003		56.1090	56.1090	1.0800e-003	1.0300e-003	56.4424
Mobile	0.2068	1.0864	2.5879	6.4900e-003	0.5162	0.0108	0.5270	0.1384	0.0102	0.1486		655.3229	655.3229	0.0322		656.1289
Total	**0.7057**	**1.1385**	**2.7107**	**6.8100e-003**	**0.5162**	**0.0152**	**0.5314**	**0.1384**	**0.0146**	**0.1530**	**0.0000**	**717.7611**	**717.7611**	**0.0336**	**1.1400e-003**	**718.9412**

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	0.4937	5.8200e-003	0.0869	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3292	6.3292	2.8000e-004	1.1000e-004	6.3698
Energy	5.1400e-003	0.0463	0.0358	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003		56.1090	56.1090	1.0800e-003	1.0300e-003	56.4424
Mobile	0.2051	1.0714	2.5506	6.3700e-003	0.5059	0.0106	0.5164	0.1357	9.9900e-003	0.1457		642.8151	642.8151	0.0318		643.6094
Total	**0.7039**	**1.1235**	**2.6734**	**6.6900e-003**	**0.5059**	**0.0150**	**0.5208**	**0.1357**	**0.0144**	**0.1501**	**0.0000**	**705.2533**	**705.2533**	**0.0331**	**1.1400e-003**	**706.4217**

	ROG	**NOx**	**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	**0.25**	**1.32**	**1.38**	**1.76**	**2.00**	**1.32**	**1.98**	**1.99**	**1.30**	**1.93**	**0.00**	**1.74**	**1.74**	**1.40**	**0.00**	**1.74**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2019	2/25/2019	5	40	Phase 1
2	Grading	Grading	2/26/2019	2/27/2019	5	2	Phase 2
3	Building Construction	Building Construction	2/28/2019	7/17/2019	5	100	Phase 2
4	Paving	Paving	7/18/2019	7/24/2019	5	5	Phase 2
5	Architectural Coating	Architectural Coating	7/25/2019	7/31/2019	5	5	Phase 2

Acres of Grading (Site Preparation Phase): 0.3

Acres of Grading (Grading Phase): 0.6

Acres of Paving: 0.6

Residential Indoor: 2,309; Residential Outdoor: 770; Non-Residential Indoor: 27,786; Non-Residential Outdoor: 9,262; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Bore/Drill Rigs	1	2.00	221	0.50
Site Preparation	Cement and Mortar Mixers	1	6.00	9	0.56
Site Preparation	Skid Steer Loaders	1	6.00	65	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	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
Site Preparation	3	24.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	19.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	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

3.2 Site Preparation - 2019

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					7.9500e-003	0.0000	7.9500e-003	8.6000e-004	0.0000	8.6000e-004			0.0000			0.0000
Off-Road	0.1774	2.0440	1.7906	4.4300e-003		0.0757	0.0757		0.0705	0.0705		423.1617	423.1617	0.1258		426.3075
Total	**0.1774**	**2.0440**	**1.7906**	**4.4300e-003**	**7.9500e-003**	**0.0757**	**0.0836**	**8.6000e-004**	**0.0705**	**0.0714**		**423.1617**	**423.1617**	**0.1258**		**426.3075**

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	0.0104	0.2655	0.0752	5.3000e-004	0.0135	2.0900e-003	0.0156	3.8700e-003	2.0000e-003	5.8700e-003		56.3356	56.3356	3.9500e-003		56.4344
Worker	0.1379	0.1039	0.9637	1.9600e-003	0.1972	1.5900e-003	0.1988	0.0523	1.4700e-003	0.0538		195.1735	195.1735	8.0700e-003		195.3754
Total	**0.1482**	**0.3694**	**1.0389**	**2.4900e-003**	**0.2106**	**3.6800e-003**	**0.2143**	**0.0562**	**3.4700e-003**	**0.0596**		**251.5091**	**251.5091**	**0.0120**		**251.8098**

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					3.5800e-003	0.0000	3.5800e-003	3.9000e-004	0.0000	3.9000e-004			0.0000			0.0000
Off-Road	0.1774	2.0440	1.7906	4.4300e-003		0.0757	0.0757		0.0705	0.0705	0.0000	423.1617	423.1617	0.1258		426.3075
Total	**0.1774**	**2.0440**	**1.7906**	**4.4300e-003**	**3.5800e-003**	**0.0757**	**0.0793**	**3.9000e-004**	**0.0705**	**0.0709**	**0.0000**	**423.1617**	**423.1617**	**0.1258**		**426.3075**

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	0.0104	0.2655	0.0752	5.3000e-004	0.0135	2.0900e-003	0.0156	3.8700e-003	2.0000e-003	5.8700e-003		56.3356	56.3356	3.9500e-003		56.4344
Worker	0.1379	0.1039	0.9637	1.9600e-003	0.1972	1.5900e-003	0.1988	0.0523	1.4700e-003	0.0538		195.1735	195.1735	8.0700e-003		195.3754
Total	**0.1482**	**0.3694**	**1.0389**	**2.4900e-003**	**0.2106**	**3.6800e-003**	**0.2143**	**0.0562**	**3.4700e-003**	**0.0596**		**251.5091**	**251.5091**	**0.0120**		**251.8098**

3.3 Grading - 2019

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					1.0709	0.0000	1.0709	0.4481	0.0000	0.4481			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125		1,159.6570	1,159.6570	0.2211		1,165.1847
Total	**0.9530**	**8.6039**	**7.6917**	**0.0120**	**1.0709**	**0.5371**	**1.6080**	**0.4481**	**0.5125**	**0.9606**		**1,159.6570**	**1,159.6570**	**0.2211**		**1,165.1847**

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	0.0574	0.0433	0.4015	8.2000e-004	0.0822	6.6000e-004	0.0828	0.0218	6.1000e-004	0.0224		81.3223	81.3223	3.3600e-003		81.4064
Total	**0.0574**	**0.0433**	**0.4015**	**8.2000e-004**	**0.0822**	**6.6000e-004**	**0.0828**	**0.0218**	**6.1000e-004**	**0.0224**		**81.3223**	**81.3223**	**3.3600e-003**		**81.4064**

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					0.4819	0.0000	0.4819	0.2017	0.0000	0.2017			0.0000			0.0000
Off-Road	0.9530	8.6039	7.6917	0.0120		0.5371	0.5371		0.5125	0.5125	0.0000	1,159.6570	1,159.6570	0.2211		1,165.1847
Total	**0.9530**	**8.6039**	**7.6917**	**0.0120**	**0.4819**	**0.5371**	**1.0190**	**0.2017**	**0.5125**	**0.7141**	**0.0000**	**1,159.6570**	**1,159.6570**	**0.2211**		**1,165.1847**

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	0.0574	0.0433	0.4015	8.2000e-004	0.0822	6.6000e-004	0.0828	0.0218	6.1000e-004	0.0224		81.3223	81.3223	3.3600e-003		81.4064
Total	**0.0574**	**0.0433**	**0.4015**	**8.2000e-004**	**0.0822**	**6.6000e-004**	**0.0828**	**0.0218**	**6.1000e-004**	**0.0224**		**81.3223**	**81.3223**	**3.3600e-003**		**81.4064**

3.4 Building Construction - 2019

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	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569		1,127.6696	1,127.6696	0.3568		1,136.5892
Total	**0.9576**	**9.8207**	**7.5432**	**0.0114**		**0.6054**	**0.6054**		**0.5569**	**0.5569**		**1,127.6696**	**1,127.6696**	**0.3568**		**1,136.5892**

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	0.0362	0.9292	0.2634	1.8600e-003	0.0471	7.3200e-003	0.0544	0.0136	7.0000e-003	0.0206		197.1745	197.1745	0.0138		197.5204
Worker	0.1091	0.0823	0.7629	1.5500e-003	0.1561	1.2600e-003	0.1573	0.0414	1.1600e-003	0.0426		154.5124	154.5124	6.3900e-003		154.6722
Total	**0.1454**	**1.0115**	**1.0263**	**3.4100e-003**	**0.2032**	**8.5800e-003**	**0.2118**	**0.0550**	**8.1600e-003**	**0.0631**		**351.6868**	**351.6868**	**0.0202**		**352.1926**

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	0.9576	9.8207	7.5432	0.0114		0.6054	0.6054		0.5569	0.5569	0.0000	1,127.6696	1,127.6696	0.3568		1,136.5892
Total	**0.9576**	**9.8207**	**7.5432**	**0.0114**		**0.6054**	**0.6054**		**0.5569**	**0.5569**	**0.0000**	**1,127.6696**	**1,127.6696**	**0.3568**		**1,136.5892**

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	0.0362	0.9292	0.2634	1.8600e-003	0.0471	7.3200e-003	0.0544	0.0136	7.0000e-003	0.0206		197.1745	197.1745	0.0138		197.5204
Worker	0.1091	0.0823	0.7629	1.5500e-003	0.1561	1.2600e-003	0.1573	0.0414	1.1600e-003	0.0426		154.5124	154.5124	6.3900e-003		154.6722
Total	**0.1454**	**1.0115**	**1.0263**	**3.4100e-003**	**0.2032**	**8.5800e-003**	**0.2118**	**0.0550**	**8.1600e-003**	**0.0631**		**351.6868**	**351.6868**	**0.0202**		**352.1926**

3.5 Paving - 2019

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	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106		1,055.1823	1,055.1823	0.3016		1,062.7231
Paving	0.2201					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0500**	**7.8446**	**7.1478**	**0.0113**		**0.4425**	**0.4425**		**0.4106**	**0.4106**		**1,055.1823**	**1,055.1823**	**0.3016**		**1,062.7231**

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	0.1034	0.0779	0.7228	1.4700e-003	0.1479	1.1900e-003	0.1491	0.0392	1.1000e-003	0.0403		146.3802	146.3802	6.0600e-003		146.5315
Total	**0.1034**	**0.0779**	**0.7228**	**1.4700e-003**	**0.1479**	**1.1900e-003**	**0.1491**	**0.0392**	**1.1000e-003**	**0.0403**		**146.3802**	**146.3802**	**6.0600e-003**		**146.5315**

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	0.8300	7.8446	7.1478	0.0113		0.4425	0.4425		0.4106	0.4106	0.0000	1,055.1823	1,055.1823	0.3016		1,062.7231
Paving	0.2201					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.0500**	**7.8446**	**7.1478**	**0.0113**		**0.4425**	**0.4425**		**0.4106**	**0.4106**	**0.0000**	**1,055.1823**	**1,055.1823**	**0.3016**		**1,062.7231**

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	0.1034	0.0779	0.7228	1.4700e-003	0.1479	1.1900e-003	0.1491	0.0392	1.1000e-003	0.0403		146.3802	146.3802	6.0600e-003		146.5315
Total	**0.1034**	**0.0779**	**0.7228**	**1.4700e-003**	**0.1479**	**1.1900e-003**	**0.1491**	**0.0392**	**1.1000e-003**	**0.0403**		**146.3802**	**146.3802**	**6.0600e-003**		**146.5315**

3.6 Architectural Coating - 2019

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	44.0279					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**44.2943**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

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	0.0230	0.0173	0.1606	3.3000e-004	0.0329	2.7000e-004	0.0331	8.7200e-003	2.4000e-004	8.9600e-003		32.5289	32.5289	1.3500e-003		32.5626
Total	**0.0230**	**0.0173**	**0.1606**	**3.3000e-004**	**0.0329**	**2.7000e-004**	**0.0331**	**8.7200e-003**	**2.4000e-004**	**8.9600e-003**		**32.5289**	**32.5289**	**1.3500e-003**		**32.5626**

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	44.0279					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**44.2943**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

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	0.0230	0.0173	0.1606	3.3000e-004	0.0329	2.7000e-004	0.0331	8.7200e-003	2.4000e-004	8.9600e-003		32.5289	32.5289	1.3500e-003		32.5626
Total	**0.0230**	**0.0173**	**0.1606**	**3.3000e-004**	**0.0329**	**2.7000e-004**	**0.0331**	**8.7200e-003**	**2.4000e-004**	**8.9600e-003**		**32.5289**	**32.5289**	**1.3500e-003**		**32.5626**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	0.2051	1.0714	2.5506	6.3700e-003	0.5059	0.0106	0.5164	0.1357	9.9900e-003	0.1457		642.8151	642.8151	0.0318		643.6094
Unmitigated	0.2068	1.0864	2.5879	6.4900e-003	0.5162	0.0108	0.5270	0.1384	0.0102	0.1486		655.3229	655.3229	0.0322		656.1289

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	73.88	73.88	73.88	215,707	211,393
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	9.00	9.00	9.00	26,276	25,750
Total	82.88	82.88	82.88	241,983	237,143

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276
Other Asphalt Surfaces	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276
Other Non-Asphalt Surfaces	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276
Single Family Housing	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276
Unrefrigerated Warehouse-No Rail	0.558294	0.043613	0.174269	0.117152	0.033155	0.007464	0.028029	0.025150	0.002984	0.002020	0.005725	0.000869	0.001276

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	5.1400e-003	0.0463	0.0358	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003		56.1090	56.1090	1.0800e-003	1.0300e-003	56.4424
NaturalGas Unmitigated	5.1400e-003	0.0463	0.0358	2.8000e-004		3.5500e-003	3.5500e-003		3.5500e-003	3.5500e-003		56.1090	56.1090	1.0800e-003	1.0300e-003	56.4424

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					
General Light Industry	254.693	2.7500e-003	0.0250	0.0210	1.5000e-004		1.9000e-003	1.9000e-003		1.9000e-003	1.9000e-003		29.9639	29.9639	5.7000e-004	5.5000e-004	30.1420
Other 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
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
Single Family Housing	79.6304	8.6000e-004	7.3400e-003	3.1200e-003	5.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004		9.3683	9.3683	1.8000e-004	1.7000e-004	9.4240
Unrefrigerated Warehouse-No Rail	142.603	1.5400e-003	0.0140	0.0117	8.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		16.7768	16.7768	3.2000e-004	3.1000e-004	16.8765
Total		**5.1500e-003**	**0.0463**	**0.0358**	**2.8000e-004**		**3.5500e-003**	**3.5500e-003**		**3.5500e-003**	**3.5500e-003**		**56.1090**	**56.1090**	**1.0700e-003**	**1.0300e-003**	**56.4424**

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					
General Light Industry	0.254693	2.7500e-003	0.0250	0.0210	1.5000e-004		1.9000e-003	1.9000e-003		1.9000e-003	1.9000e-003		29.9639	29.9639	5.7000e-004	5.5000e-004	30.1420
Other 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
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
Single Family Housing	0.0796304	8.6000e-004	7.3400e-003	3.1200e-003	5.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004		9.3683	9.3683	1.8000e-004	1.7000e-004	9.4240
Unrefrigerated Warehouse-No Rail	0.142603	1.5400e-003	0.0140	0.0117	8.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003		16.7768	16.7768	3.2000e-004	3.1000e-004	16.8765
Total		**5.1500e-003**	**0.0463**	**0.0358**	**2.8000e-004**		**3.5500e-003**	**3.5500e-003**		**3.5500e-003**	**3.5500e-003**		**56.1090**	**56.1090**	**1.0700e-003**	**1.0300e-003**	**56.4424**

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	lb/day										lb/day					
Mitigated	0.4937	5.8200e-003	0.0869	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3292	6.3292	2.8000e-004	1.1000e-004	6.3698
Unmitigated	0.4937	5.8200e-003	0.0869	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3292	6.3292	2.8000e-004	1.1000e-004	6.3698

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	0.0603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	5.7000e-004	4.8400e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	6.1765	6.1765	1.2000e-004	1.1000e-004	6.2132
Landscaping	2.7200e-003	9.8000e-004	0.0849	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1527	0.1527	1.6000e-004		0.1567
Total	**0.4937**	**5.8200e-003**	**0.0869**	**3.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**6.3292**	**6.3292**	**2.8000e-004**	**1.1000e-004**	**6.3698**

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	0.0603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	5.7000e-004	4.8400e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	6.1765	6.1765	1.2000e-004	1.1000e-004	6.2132
Landscaping	2.7200e-003	9.8000e-004	0.0849	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1527	0.1527	1.6000e-004		0.1567
Total	**0.4937**	**5.8200e-003**	**0.0869**	**3.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**6.3292**	**6.3292**	**2.8000e-004**	**1.1000e-004**	**6.3698**

7.0 Water Detail

7.1 Mitigation Measures Water

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

3192 Juniper Ave Project - Existing Operations

Solano-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	3.52	1000sqft	0.08	3,524.00	0
Single Family Housing	1.00	Dwelling Unit	0.32	1,140.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	56
Climate Zone	4			**Operational Year**	2019
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 - 5129.0001 3192 Juniper Ave Project - Existing Operations

Land Use - Consistent with the focused traffic study

Construction Phase - Existing operations only

Off-road Equipment - Operations only

Vehicle Trips - Existing operations based on the Focused Traffic Study for the Good Onward Cannabis Processing Project

Woodstoves - No woodburning

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	PhaseEndDate	6/20/2019	6/14/2019
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	0.43	0.00
tblLandUse	LandUseSquareFeet	1,800.00	1,140.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblWoodstoves	WoodstoveWoodMass	956.80	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	0.0211	1.1000e-004	7.5100e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0434	0.0434	1.0000e-005	0.0000	0.0439
Energy	6.6000e-004	5.9000e-003	4.4000e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	17.3335	17.3335	6.1000e-004	2.2000e-004	17.4146
Mobile	0.0107	0.0603	0.1179	3.9000e-004	0.0284	4.4000e-004	0.0289	7.6200e-003	4.1000e-004	8.0300e-003	0.0000	35.8372	35.8372	1.7200e-003	0.0000	35.8800
Waste						0.0000	0.0000		0.0000	0.0000	1.1408	0.0000	1.1408	0.0674	0.0000	2.8263
Water						0.0000	0.0000		0.0000	0.0000	0.2789	1.4257	1.7046	0.0287	6.9000e-004	2.6280
Total	**0.0324**	**0.0663**	**0.1298**	**4.3000e-004**	**0.0284**	**9.3000e-004**	**0.0294**	**7.6200e-003**	**9.0000e-004**	**8.5200e-003**	**1.4197**	**54.6397**	**56.0594**	**0.0985**	**9.1000e-004**	**58.7928**

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	0.0211	1.1000e-004	7.5100e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0434	0.0434	1.0000e-005	0.0000	0.0439
Energy	6.6000e-004	5.9000e-003	4.4000e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	17.3335	17.3335	6.1000e-004	2.2000e-004	17.4146
Mobile	0.0106	0.0596	0.1162	3.8000e-004	0.0279	4.3000e-004	0.0283	7.4700e-003	4.1000e-004	7.8700e-003	0.0000	35.1877	35.1877	1.6900e-003	0.0000	35.2300
Waste						0.0000	0.0000		0.0000	0.0000	1.1408	0.0000	1.1408	0.0674	0.0000	2.8263
Water						0.0000	0.0000		0.0000	0.0000	0.2789	1.4257	1.7046	0.0287	6.9000e-004	2.6280
Total	**0.0323**	**0.0656**	**0.1281**	**4.2000e-004**	**0.0279**	**9.2000e-004**	**0.0288**	**7.4700e-003**	**9.0000e-004**	**8.3600e-003**	**1.4197**	**53.9902**	**55.4100**	**0.0984**	**9.1000e-004**	**58.1427**

	ROG	NOx	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	**0.28**	**1.03**	**1.35**	**2.33**	**2.01**	**1.08**	**1.98**	**1.97**	**0.00**	**1.88**	**0.00**	**1.19**	**1.16**	**0.03**	**0.00**	**1.11**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	0.0106	0.0596	0.1162	3.8000e-004	0.0279	4.3000e-004	0.0283	7.4700e-003	4.1000e-004	7.8700e-003	0.0000	35.1877	35.1877	1.6900e-003	0.0000	35.2300
Unmitigated	0.0107	0.0603	0.1179	3.9000e-004	0.0284	4.4000e-004	0.0289	7.6200e-003	4.1000e-004	8.0300e-003	0.0000	35.8372	35.8372	1.7200e-003	0.0000	35.8800

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	24.56	4.65	2.40	54,161	53,078
Single Family Housing	9.52	9.91	8.62	21,819	21,383
Total	34.08	14.56	11.02	75,980	74,460

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 Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.573402	0.038775	0.175243	0.119521	0.021823	0.005724	0.009640	0.041459	0.003179	0.002435	0.007002	0.000607	0.001191
Single Family Housing	0.573402	0.038775	0.175243	0.119521	0.021823	0.005724	0.009640	0.041459	0.003179	0.002435	0.007002	0.000607	0.001191

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	10.8216	10.8216	4.9000e-004	1.0000e-004	10.8640
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	10.8216	10.8216	4.9000e-004	1.0000e-004	10.8640
NaturalGas Mitigated	6.6000e-004	5.9000e-003	4.4000e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.5119	6.5119	1.2000e-004	1.2000e-004	6.5506
NaturalGas Unmitigated	6.6000e-004	5.9000e-003	4.4000e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.5119	6.5119	1.2000e-004	1.2000e-004	6.5506

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 Light Industry	92963.1	5.0000e-004	4.5600e-003	3.8300e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9609	4.9609	1.0000e-004	9.0000e-005	4.9904
Single Family Housing	29065.1	1.6000e-004	1.3400e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5510	1.5510	3.0000e-005	3.0000e-005	1.5602
Total		**6.6000e-004**	**5.9000e-003**	**4.4000e-003**	**4.0000e-005**		**4.6000e-004**	**4.6000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**6.5119**	**6.5119**	**1.3000e-004**	**1.2000e-004**	**6.5506**

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 Light Industry	92963.1	5.0000e-004	4.5600e-003	3.8300e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9609	4.9609	1.0000e-004	9.0000e-005	4.9904
Single Family Housing	29065.1	1.6000e-004	1.3400e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5510	1.5510	3.0000e-005	3.0000e-005	1.5602
Total		**6.6000e-004**	**5.9000e-003**	**4.4000e-003**	**4.0000e-005**		**4.6000e-004**	**4.6000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**6.5119**	**6.5119**	**1.3000e-004**	**1.2000e-004**	**6.5506**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	29108.2	8.4679	3.8000e-004	8.0000e-005	8.5011
Single Family Housing	8090.57	2.3536	1.1000e-004	2.0000e-005	2.3629
Total		**10.8216**	**4.9000e-004**	**1.0000e-004**	**10.8640**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	29108.2	8.4679	3.8000e-004	8.0000e-005	8.5011
Single Family Housing	8090.57	2.3536	1.1000e-004	2.0000e-005	2.3629
Total		**10.8216**	**4.9000e-004**	**1.0000e-004**	**10.8640**

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	0.0211	1.1000e-004	7.5100e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0434	0.0434	1.0000e-005	0.0000	0.0439
Unmitigated	0.0211	1.1000e-004	7.5100e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0434	0.0434	1.0000e-005	0.0000	0.0439

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	2.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	3.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0312	0.0312	0.0000	0.0000	0.0314
Landscaping	2.3000e-004	9.0000e-005	7.4900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0122	0.0122	1.0000e-005	0.0000	0.0125
Total	**0.0211**	**1.2000e-004**	**7.5000e-003**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0434**	**0.0434**	**1.0000e-005**	**0.0000**	**0.0439**

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	2.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	3.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0312	0.0312	0.0000	0.0000	0.0314
Landscaping	2.3000e-004	9.0000e-005	7.4900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0122	0.0122	1.0000e-005	0.0000	0.0125
Total	**0.0211**	**1.2000e-004**	**7.5000e-003**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0434**	**0.0434**	**1.0000e-005**	**0.0000**	**0.0439**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.7046	0.0287	6.9000e-004	2.6280
Unmitigated	1.7046	0.0287	6.9000e-004	2.6280

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.814 / 0	1.5396	0.0266	6.4000e-004	2.3943
Single Family Housing	0.065154 / 0.0410754	0.1651	2.1300e-003	5.0000e-005	0.2336
Total		**1.7046**	**0.0287**	**6.9000e-004**	**2.6280**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.814 / 0	1.5396	0.0266	6.4000e-004	2.3943
Single Family Housing	0.065154 / 0.0410754	0.1651	2.1300e-003	5.0000e-005	0.2336
Total		**1.7046**	**0.0287**	**6.9000e-004**	**2.6280**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.1408	0.0674	0.0000	2.8263
Unmitigated	1.1408	0.0674	0.0000	2.8263

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	4.36	0.8850	0.0523	0.0000	2.1927
Single Family Housing	1.26	0.2558	0.0151	0.0000	0.6337
Total		**1.1408**	**0.0674**	**0.0000**	**2.8263**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	4.36	0.8850	0.0523	0.0000	2.1927
Single Family Housing	1.26	0.2558	0.0151	0.0000	0.6337
Total		**1.1408**	**0.0674**	**0.0000**	**2.8263**

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

3192 Juniper Ave Project - Existing Operations

Solano-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	3.52	1000sqft	0.08	3,524.00	0
Single Family Housing	1.00	Dwelling Unit	0.32	1,140.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	56
Climate Zone	4			**Operational Year**	2019
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 - 5129.0001 3192 Juniper Ave Project - Existing Operations

Land Use - Consistent with the focused traffic study

Construction Phase - Existing operations only

Off-road Equipment - Operations only

Vehicle Trips - Existing operations based on the Focused Traffic Study for the Good Onward Cannabis Processing Project

Woodstoves - No woodburning

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	PhaseEndDate	6/20/2019	6/14/2019
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	0.43	0.00
tblLandUse	LandUseSquareFeet	1,800.00	1,140.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblWoodstoves	WoodstoveWoodMass	956.80	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	0.1174	5.8000e-003	0.0853	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3258	6.3258	2.7000e-004	1.1000e-004	6.3662
Energy	3.6100e-003	0.0323	0.0241	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3322	39.3322	7.5000e-004	7.2000e-004	39.5660
Mobile	0.0832	0.3970	0.8448	2.8400e-003	0.2010	2.9900e-003	0.2040	0.0537	2.8100e-003	0.0566		286.8197	286.8197	0.0129		287.1430
Total	**0.2042**	**0.4351**	**0.9543**	**3.0800e-003**	**0.2010**	**6.3300e-003**	**0.2073**	**0.0537**	**6.1500e-003**	**0.0599**	**0.0000**	**332.4777**	**332.4777**	**0.0140**	**8.3000e-004**	**333.0751**

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	0.1174	5.8000e-003	0.0853	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3258	6.3258	2.7000e-004	1.1000e-004	6.3662
Energy	3.6100e-003	0.0323	0.0241	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3322	39.3322	7.5000e-004	7.2000e-004	39.5660
Mobile	0.0826	0.3927	0.8313	2.7900e-003	0.1970	2.9300e-003	0.1999	0.0527	2.7600e-003	0.0554		281.6083	281.6083	0.0128		281.9274
Total	**0.2036**	**0.4308**	**0.9407**	**3.0300e-003**	**0.1970**	**6.2700e-003**	**0.2033**	**0.0527**	**6.1000e-003**	**0.0588**	**0.0000**	**327.2663**	**327.2663**	**0.0138**	**8.3000e-004**	**327.8596**

	ROG	**NOx**	**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	**0.29**	**1.00**	**1.42**	**1.62**	**2.00**	**0.95**	**1.96**	**1.99**	**0.81**	**1.89**	**0.00**	**1.57**	**1.57**	**1.22**	**0.00**	**1.57**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	0.0826	0.3927	0.8313	2.7900e-003	0.1970	2.9300e-003	0.1999	0.0527	2.7600e-003	0.0554		281.6083	281.6083	0.0128		281.9274
Unmitigated	0.0832	0.3970	0.8448	2.8400e-003	0.2010	2.9900e-003	0.2040	0.0537	2.8100e-003	0.0566		286.8197	286.8197	0.0129		287.1430

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	24.56	4.65	2.40	54,161	53,078
Single Family Housing	9.52	9.91	8.62	21,819	21,383
Total	34.08	14.56	11.02	75,980	74,460

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 Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.573402	0.038775	0.175243	0.119521	0.021823	0.005724	0.009640	0.041459	0.003179	0.002435	0.007002	0.000607	0.001191
Single Family Housing	0.573402	0.038775	0.175243	0.119521	0.021823	0.005724	0.009640	0.041459	0.003179	0.002435	0.007002	0.000607	0.001191

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	3.6100e-003	0.0323	0.0241	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3322	39.3322	7.5000e-004	7.2000e-004	39.5660
NaturalGas Unmitigated	3.6100e-003	0.0323	0.0241	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3322	39.3322	7.5000e-004	7.2000e-004	39.5660

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					
General Light Industry	254.693	2.7500e-003	0.0250	0.0210	1.5000e-004		1.9000e-003	1.9000e-003		1.9000e-003	1.9000e-003		29.9639	29.9639	5.7000e-004	5.5000e-004	30.1420
Single Family Housing	79.6304	8.6000e-004	7.3400e-003	3.1200e-003	5.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004		9.3683	9.3683	1.8000e-004	1.7000e-004	9.4240
Total		**3.6100e-003**	**0.0323**	**0.0241**	**2.0000e-004**		**2.4900e-003**	**2.4900e-003**		**2.4900e-003**	**2.4900e-003**		**39.3322**	**39.3322**	**7.5000e-004**	**7.2000e-004**	**39.5660**

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					
General Light Industry	0.254693	2.7500e-003	0.0250	0.0210	1.5000e-004		1.9000e-003	1.9000e-003		1.9000e-003	1.9000e-003		29.9639	29.9639	5.7000e-004	5.5000e-004	30.1420
Single Family Housing	0.0796304	8.6000e-004	7.3400e-003	3.1200e-003	5.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004		9.3683	9.3683	1.8000e-004	1.7000e-004	9.4240
Total		**3.6100e-003**	**0.0323**	**0.0241**	**2.0000e-004**		**2.4900e-003**	**2.4900e-003**		**2.4900e-003**	**2.4900e-003**		**39.3322**	**39.3322**	**7.5000e-004**	**7.2000e-004**	**39.5660**

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	lb/day										lb/day					
Mitigated	0.1174	5.8000e-003	0.0853	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3258	6.3258	2.7000e-004	1.1000e-004	6.3662
Unmitigated	0.1174	5.8000e-003	0.0853	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3258	6.3258	2.7000e-004	1.1000e-004	6.3662

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	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	5.7000e-004	4.8400e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	6.1765	6.1765	1.2000e-004	1.1000e-004	6.2132
Landscaping	2.5700e-003	9.6000e-004	0.0833	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1493	0.1493	1.5000e-004		0.1530
Total	**0.1174**	**5.8000e-003**	**0.0853**	**3.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**6.3258**	**6.3258**	**2.7000e-004**	**1.1000e-004**	**6.3662**

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	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	5.7000e-004	4.8400e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	6.1765	6.1765	1.2000e-004	1.1000e-004	6.2132
Landscaping	2.5700e-003	9.6000e-004	0.0833	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1493	0.1493	1.5000e-004		0.1530
Total	**0.1174**	**5.8000e-003**	**0.0853**	**3.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**6.3258**	**6.3258**	**2.7000e-004**	**1.1000e-004**	**6.3662**

7.0 Water Detail

7.1 Mitigation Measures Water

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

3192 Juniper Ave Project - Existing Operations

Solano-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	3.52	1000sqft	0.08	3,524.00	0
Single Family Housing	1.00	Dwelling Unit	0.32	1,140.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	56
Climate Zone	4			**Operational Year**	2019
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 - 5129.0001 3192 Juniper Ave Project - Existing Operations

Land Use - Consistent with the focused traffic study

Construction Phase - Existing operations only

Off-road Equipment - Operations only

Vehicle Trips - Existing operations based on the Focused Traffic Study for the Good Onward Cannabis Processing Project

Woodstoves - No woodburning

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	PhaseEndDate	6/20/2019	6/14/2019
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	0.43	0.00
tblLandUse	LandUseSquareFeet	1,800.00	1,140.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblWoodstoves	WoodstoveWoodMass	956.80	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	lb/day										lb/day					
Area	0.1174	5.8000e-003	0.0853	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3258	6.3258	2.7000e-004	1.1000e-004	6.3662
Energy	3.6100e-003	0.0323	0.0241	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3322	39.3322	7.5000e-004	7.2000e-004	39.5660
Mobile	0.0713	0.4191	0.8584	2.6300e-003	0.2010	3.0300e-003	0.2040	0.0537	2.8500e-003	0.0566		265.5346	265.5346	0.0134		265.8686
Total	**0.1924**	**0.4572**	**0.9678**	**2.8700e-003**	**0.2010**	**6.3700e-003**	**0.2074**	**0.0537**	**6.1900e-003**	**0.0599**	**0.0000**	**311.1926**	**311.1926**	**0.0144**	**8.3000e-004**	**311.8007**

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	0.1174	5.8000e-003	0.0853	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3258	6.3258	2.7000e-004	1.1000e-004	6.3662
Energy	3.6100e-003	0.0323	0.0241	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3322	39.3322	7.5000e-004	7.2000e-004	39.5660
Mobile	0.0707	0.4142	0.8463	2.5800e-003	0.1970	2.9700e-003	0.2000	0.0527	2.8000e-003	0.0555		260.6942	260.6942	0.0132		261.0242
Total	**0.1918**	**0.4523**	**0.9557**	**2.8200e-003**	**0.1970**	**6.3100e-003**	**0.2033**	**0.0527**	**6.1400e-003**	**0.0588**	**0.0000**	**306.3522**	**306.3522**	**0.0142**	**8.3000e-004**	**306.9564**

	ROG	**NOx**	**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	**0.31**	**1.06**	**1.25**	**1.74**	**2.00**	**0.94**	**1.96**	**1.99**	**0.81**	**1.89**	**0.00**	**1.56**	**1.56**	**1.11**	**0.00**	**1.55**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	0.0707	0.4142	0.8463	2.5800e-003	0.1970	2.9700e-003	0.2000	0.0527	2.8000e-003	0.0555		260.6942	260.6942	0.0132		261.0242
Unmitigated	0.0713	0.4191	0.8584	2.6300e-003	0.2010	3.0300e-003	0.2040	0.0537	2.8500e-003	0.0566		265.5346	265.5346	0.0134		265.8686

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	24.56	4.65	2.40	54,161	53,078
Single Family Housing	9.52	9.91	8.62	21,819	21,383
Total	34.08	14.56	11.02	75,980	74,460

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 Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.573402	0.038775	0.175243	0.119521	0.021823	0.005724	0.009640	0.041459	0.003179	0.002435	0.007002	0.000607	0.001191
Single Family Housing	0.573402	0.038775	0.175243	0.119521	0.021823	0.005724	0.009640	0.041459	0.003179	0.002435	0.007002	0.000607	0.001191

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	3.6100e-003	0.0323	0.0241	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3322	39.3322	7.5000e-004	7.2000e-004	39.5660
NaturalGas Unmitigated	3.6100e-003	0.0323	0.0241	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		39.3322	39.3322	7.5000e-004	7.2000e-004	39.5660

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					
General Light Industry	254.693	2.7500e-003	0.0250	0.0210	1.5000e-004		1.9000e-003	1.9000e-003		1.9000e-003	1.9000e-003		29.9639	29.9639	5.7000e-004	5.5000e-004	30.1420
Single Family Housing	79.6304	8.6000e-004	7.3400e-003	3.1200e-003	5.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004		9.3683	9.3683	1.8000e-004	1.7000e-004	9.4240
Total		**3.6100e-003**	**0.0323**	**0.0241**	**2.0000e-004**		**2.4900e-003**	**2.4900e-003**		**2.4900e-003**	**2.4900e-003**		**39.3322**	**39.3322**	**7.5000e-004**	**7.2000e-004**	**39.5660**

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					
General Light Industry	0.254693	2.7500e-003	0.0250	0.0210	1.5000e-004		1.9000e-003	1.9000e-003		1.9000e-003	1.9000e-003		29.9639	29.9639	5.7000e-004	5.5000e-004	30.1420
Single Family Housing	0.0796304	8.6000e-004	7.3400e-003	3.1200e-003	5.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004		9.3683	9.3683	1.8000e-004	1.7000e-004	9.4240
Total		**3.6100e-003**	**0.0323**	**0.0241**	**2.0000e-004**		**2.4900e-003**	**2.4900e-003**		**2.4900e-003**	**2.4900e-003**		**39.3322**	**39.3322**	**7.5000e-004**	**7.2000e-004**	**39.5660**

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	lb/day										lb/day					
Mitigated	0.1174	5.8000e-003	0.0853	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3258	6.3258	2.7000e-004	1.1000e-004	6.3662
Unmitigated	0.1174	5.8000e-003	0.0853	4.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	6.3258	6.3258	2.7000e-004	1.1000e-004	6.3662

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	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	5.7000e-004	4.8400e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	6.1765	6.1765	1.2000e-004	1.1000e-004	6.2132
Landscaping	2.5700e-003	9.6000e-004	0.0833	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1493	0.1493	1.5000e-004		0.1530
Total	**0.1174**	**5.8000e-003**	**0.0853**	**3.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**6.3258**	**6.3258**	**2.7000e-004**	**1.1000e-004**	**6.3662**

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	0.0145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0998					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	5.7000e-004	4.8400e-003	2.0600e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	6.1765	6.1765	1.2000e-004	1.1000e-004	6.2132
Landscaping	2.5700e-003	9.6000e-004	0.0833	0.0000		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004		0.1493	0.1493	1.5000e-004		0.1530
Total	**0.1174**	**5.8000e-003**	**0.0853**	**3.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**6.3258**	**6.3258**	**2.7000e-004**	**1.1000e-004**	**6.3662**

7.0 Water Detail

7.1 Mitigation Measures Water

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

3192 Juniper Ave Project—2030 Operations

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	3.52	1000sqft	0.00	3,524.00	0
Unrefrigerated Warehouse-No Rail	15.00	1000sqft	0.34	15,000.00	0
Other Asphalt Surfaces	0.42	Acre	0.42	18,295.20	0
Other Non-Asphalt Surfaces	0.18	Acre	0.18	7,840.80	0
Single Family Housing	1.00	Dwelling Unit	0.00	1,140.00	3

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)	292.24	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 5129.0001 3192 Juniper Ave Project—Project operations in the 2030 operational year
CO2 intensity factor adjusted based on Renewable Energy Portfolio

Land Use - Based on site plan and project description
Phase 1 and Phase 2

Construction Phase - Operational run only (zeroed out construction inputs)

Off-road Equipment - Operational run only

Trips and VMT - Operational run only

Vehicle Trips - Based on the Focused Traffic Study for the Good Onward Cannabis Processing Project

Woodstoves - No woodburning

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	1.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	0.43	0.00
tblLandUse	LandUseSquareFeet	3,520.00	3,524.00
tblLandUse	LandUseSquareFeet	1,800.00	1,140.00
tblLandUse	LotAcreage	0.08	0.00
tblLandUse	LotAcreage	0.32	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	292.24
tblTripsAndVMT	WorkerTripNumber	4.00	0.00
tblVehicleTrips	ST_TR	1.32	20.99
tblVehicleTrips	ST_TR	9.91	0.00
tblVehicleTrips	ST_TR	1.68	0.60
tblVehicleTrips	SU_TR	0.68	20.99
tblVehicleTrips	SU_TR	8.62	0.00
tblVehicleTrips	SU_TR	1.68	0.60
tblVehicleTrips	WD_TR	6.97	20.99
tblVehicleTrips	WD_TR	9.52	0.00
tblVehicleTrips	WD_TR	1.68	0.60
tblWoodstoves	WoodstoveWoodMass	956.80	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	0.0897	1.1000e-004	7.5900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0437	0.0437	1.0000e-005	0.0000	0.0442
Energy	9.4000e-004	8.4500e-003	6.5400e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	21.2394	21.2394	1.3600e-003	4.2000e-004	21.3974
Mobile	0.0159	0.0984	0.1902	8.7000e-004	0.0897	6.0000e-004	0.0903	0.0241	5.6000e-004	0.0247	0.0000	80.8432	80.8432	2.6800e-003	0.0000	80.9101
Waste						0.0000	0.0000		0.0000	0.0000	4.0030	0.0000	4.0030	0.2366	0.0000	9.9172
Water						0.0000	0.0000		0.0000	0.0000	1.3794	3.1377	4.5171	0.1420	3.4100e-003	9.0829
Total	**0.1066**	**0.1070**	**0.2044**	**9.2000e-004**	**0.0897**	**1.2900e-003**	**0.0910**	**0.0241**	**1.2500e-003**	**0.0254**	**5.3824**	**105.2640**	**110.6463**	**0.3826**	**3.8300e-003**	**121.3517**

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	0.0897	1.1000e-004	7.5900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0437	0.0437	1.0000e-005	0.0000	0.0442
Energy	9.4000e-004	8.4500e-003	6.5400e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	21.2394	21.2394	1.3600e-003	4.2000e-004	21.3974
Mobile	0.0158	0.0975	0.1873	8.6000e-004	0.0879	5.9000e-004	0.0885	0.0236	5.5000e-004	0.0242	0.0000	79.3241	79.3241	2.6400e-003	0.0000	79.3900
Waste						0.0000	0.0000		0.0000	0.0000	4.0030	0.0000	4.0030	0.2366	0.0000	9.9172
Water						0.0000	0.0000		0.0000	0.0000	1.3794	3.1377	4.5171	0.1420	3.4100e-003	9.0829
Total	**0.1065**	**0.1060**	**0.2014**	**9.1000e-004**	**0.0879**	**1.2800e-003**	**0.0892**	**0.0236**	**1.2400e-003**	**0.0249**	**5.3824**	**103.7449**	**109.1273**	**0.3826**	**3.8300e-003**	**119.8317**

	ROG	NOx	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	**0.12**	**0.85**	**1.45**	**1.09**	**2.00**	**0.78**	**1.98**	**2.03**	**0.80**	**1.93**	**0.00**	**1.44**	**1.37**	**0.01**	**0.00**	**1.25**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	0.0158	0.0975	0.1873	8.6000e-004	0.0879	5.9000e-004	0.0885	0.0236	5.5000e-004	0.0242	0.0000	79.3241	79.3241	2.6400e-003	0.0000	79.3900
Unmitigated	0.0159	0.0984	0.1902	8.7000e-004	0.0897	6.0000e-004	0.0903	0.0241	5.6000e-004	0.0247	0.0000	80.8432	80.8432	2.6800e-003	0.0000	80.9101

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	73.88	73.88	73.88	215,707	211,393
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	9.00	9.00	9.00	26,276	25,750
Total	82.88	82.88	82.88	241,983	237,143

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 Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Unrefrigerated Warehouse-No Rail	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	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 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
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
Single Family Housing	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
Unrefrigerated Warehouse-No Rail	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

	ROG	NOx	CO	SO2	Fugitive 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	11.9499	11.9499	1.1900e-003	2.5000e-004	12.0527
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	11.9499	11.9499	1.1900e-003	2.5000e-004	12.0527
NaturalGas Mitigated	9.4000e-004	8.4500e-003	6.5400e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.2895	9.2895	1.8000e-004	1.7000e-004	9.3447
NaturalGas Unmitigated	9.4000e-004	8.4500e-003	6.5400e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.2895	9.2895	1.8000e-004	1.7000e-004	9.3447

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 Light Industry	92963.1	5.0000e-004	4.5600e-003	3.8300e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9609	4.9609	1.0000e-004	9.0000e-005	4.9904
Other 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
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
Single Family Housing	29065.1	1.6000e-004	1.3400e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5510	1.5510	3.0000e-005	3.0000e-005	1.5602
Unrefrigerated Warehouse-No Rail	52050	2.8000e-004	2.5500e-003	2.1400e-003	2.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.7776	2.7776	5.0000e-005	5.0000e-005	2.7941
Total		**9.4000e-004**	**8.4500e-003**	**6.5400e-003**	**6.0000e-005**		**6.5000e-004**	**6.5000e-004**		**6.5000e-004**	**6.5000e-004**	**0.0000**	**9.2895**	**9.2895**	**1.8000e-004**	**1.7000e-004**	**9.3447**

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 Light Industry	92963.1	5.0000e-004	4.5600e-003	3.8300e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9609	4.9609	1.0000e-004	9.0000e-005	4.9904
Other 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
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
Single Family Housing	29065.1	1.6000e-004	1.3400e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5510	1.5510	3.0000e-005	3.0000e-005	1.5602
Unrefrigerated Warehouse-No Rail	52050	2.8000e-004	2.5500e-003	2.1400e-003	2.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	2.7776	2.7776	5.0000e-005	5.0000e-005	2.7941
Total		**9.4000e-004**	**8.4500e-003**	**6.5400e-003**	**6.0000e-005**		**6.5000e-004**	**6.5000e-004**		**6.5000e-004**	**6.5000e-004**	**0.0000**	**9.2895**	**9.2895**	**1.8000e-004**	**1.7000e-004**	**9.3447**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	29108.2	3.8585	3.8000e-004	8.0000e-005	3.8917
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8090.57	1.0725	1.1000e-004	2.0000e-005	1.0817
Unrefrigerated Warehouse-No Rail	52950	7.0189	7.0000e-004	1.4000e-004	7.0793
Total		**11.9499**	**1.1900e-003**	**2.4000e-004**	**12.0527**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	29108.2	3.8585	3.8000e-004	8.0000e-005	3.8917
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8090.57	1.0725	1.1000e-004	2.0000e-005	1.0817
Unrefrigerated Warehouse-No Rail	52950	7.0189	7.0000e-004	1.4000e-004	7.0793
Total		**11.9499**	**1.1900e-003**	**2.4000e-004**	**12.0527**

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	0.0897	1.1000e-004	7.5900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0437	0.0437	1.0000e-005	0.0000	0.0442
Unmitigated	0.0897	1.1000e-004	7.5900e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0437	0.0437	1.0000e-005	0.0000	0.0442

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	0.0110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0785					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	3.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0312	0.0312	0.0000	0.0000	0.0314
Landscaping	2.4000e-004	9.0000e-005	7.5800e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0125	0.0125	1.0000e-005	0.0000	0.0128
Total	**0.0897**	**1.2000e-004**	**7.5900e-003**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0437**	**0.0437**	**1.0000e-005**	**0.0000**	**0.0442**

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	0.0110					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0785					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	3.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0312	0.0312	0.0000	0.0000	0.0314
Landscaping	2.4000e-004	9.0000e-005	7.5800e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0125	0.0125	1.0000e-005	0.0000	0.0128
Total	**0.0897**	**1.2000e-004**	**7.5900e-003**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0437**	**0.0437**	**1.0000e-005**	**0.0000**	**0.0442**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.5171	0.1420	3.4100e-003	9.0829
Unmitigated	4.5171	0.1420	3.4100e-003	9.0829

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.814 / 0	0.8421	0.0266	6.4000e-004	1.6969
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.065154 / 0.0410754	0.0865	2.1300e-003	5.0000e-005	0.1550
Unrefrigerated Warehouse-No Rail	3.46875 / 0	3.5885	0.1133	2.7200e-003	7.2310
Total		**4.5171**	**0.1420**	**3.4100e-003**	**9.0829**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.814 / 0	0.8421	0.0266	6.4000e-004	1.6969
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.065154 / 0.0410754	0.0865	2.1300e-003	5.0000e-005	0.1550
Unrefrigerated Warehouse-No Rail	3.46875 / 0	3.5885	0.1133	2.7200e-003	7.2310
Total		**4.5171**	**0.1420**	**3.4100e-003**	**9.0829**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.0030	0.2366	0.0000	9.9172
Unmitigated	4.0030	0.2366	0.0000	9.9172

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	4.36	0.8850	0.0523	0.0000	2.1927
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.26	0.2558	0.0151	0.0000	0.6337
Unrefrigerated Warehouse-No Rail	14.1	2.8622	0.1692	0.0000	7.0909
Total		**4.0030**	**0.2366**	**0.0000**	**9.9172**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	4.36	0.8850	0.0523	0.0000	2.1927
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.26	0.2558	0.0151	0.0000	0.6337
Unrefrigerated Warehouse-No Rail	14.1	2.8622	0.1692	0.0000	7.0909
Total		**4.0030**	**0.2366**	**0.0000**	**9.9172**

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

3192 Juniper Ave Project - Existing Operations (2030)

Solano-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	3.52	1000sqft	0.08	3,524.00	0
Single Family Housing	1.00	Dwelling Unit	0.32	1,140.00	3

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	56
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	292.24	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 5129.0001 3192 Juniper Ave Project - Existing Operations (2030)
CO2 intensity factor adjusted based on Renewable Energy Portfolio

Land Use - Consistent with the focused traffic study

Construction Phase - Existing operations only

Off-road Equipment - Operations only

Vehicle Trips - Existing operations based on the Focused Traffic Study for the Good Onward Cannabis Processing Project

Woodstoves - No woodburning

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	1.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	0.43	0.00
tblLandUse	LandUseSquareFeet	3,520.00	3,524.00
tblLandUse	LandUseSquareFeet	1,800.00	1,140.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	292.24
tblWoodstoves	WoodstoveWoodMass	956.80	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	0.0211	1.1000e-004	7.4500e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0434	0.0434	1.0000e-005	0.0000	0.0439
Energy	6.6000e-004	5.9000e-003	4.4000e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	11.4429	11.4429	6.1000e-004	2.2000e-004	11.5240
Mobile	5.1700e-003	0.0325	0.0557	2.9000e-004	0.0284	1.7000e-004	0.0285	7.5900e-003	1.6000e-004	7.7500e-003	0.0000	26.8435	26.8435	8.9000e-004	0.0000	26.8656
Waste						0.0000	0.0000		0.0000	0.0000	1.1408	0.0000	1.1408	0.0674	0.0000	2.8263
Water						0.0000	0.0000		0.0000	0.0000	0.2789	0.6497	0.9286	0.0287	6.9000e-004	1.8519
Total	**0.0269**	**0.0385**	**0.0676**	**3.3000e-004**	**0.0284**	**6.6000e-004**	**0.0290**	**7.5900e-003**	**6.5000e-004**	**8.2400e-003**	**1.4197**	**38.9794**	**40.3991**	**0.0976**	**9.1000e-004**	**43.1117**

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	0.0211	1.1000e-004	7.4500e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0434	0.0434	1.0000e-005	0.0000	0.0439
Energy	6.6000e-004	5.9000e-003	4.4000e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	11.4429	11.4429	6.1000e-004	2.2000e-004	11.5240
Mobile	5.1300e-003	0.0322	0.0549	2.9000e-004	0.0278	1.7000e-004	0.0280	7.4400e-003	1.6000e-004	7.5900e-003	0.0000	26.3682	26.3682	8.7000e-004	0.0000	26.3900
Waste						0.0000	0.0000		0.0000	0.0000	1.1408	0.0000	1.1408	0.0674	0.0000	2.8263
Water						0.0000	0.0000		0.0000	0.0000	0.2789	0.6497	0.9286	0.0287	6.9000e-004	1.8519
Total	**0.0269**	**0.0383**	**0.0667**	**3.3000e-004**	**0.0278**	**6.6000e-004**	**0.0284**	**7.4400e-003**	**6.5000e-004**	**8.0800e-003**	**1.4197**	**38.5041**	**39.9238**	**0.0976**	**9.1000e-004**	**42.6361**

	ROG	NOx	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	**0.15**	**0.62**	**1.27**	**0.00**	**2.01**	**0.00**	**1.96**	**1.98**	**0.00**	**1.94**	**0.00**	**1.22**	**1.18**	**0.02**	**0.00**	**1.10**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	5.1300e-003	0.0322	0.0549	2.9000e-004	0.0278	1.7000e-004	0.0280	7.4400e-003	1.6000e-004	7.5900e-003	0.0000	26.3682	26.3682	8.7000e-004	0.0000	26.3900
Unmitigated	5.1700e-003	0.0325	0.0557	2.9000e-004	0.0284	1.7000e-004	0.0285	7.5900e-003	1.6000e-004	7.7500e-003	0.0000	26.8435	26.8435	8.9000e-004	0.0000	26.8656

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	24.53	4.65	2.39	54,099	53,017
Single Family Housing	9.52	9.91	8.62	21,819	21,383
Total	34.05	14.56	11.01	75,919	74,400

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
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.607682	0.033070	0.175504	0.098232	0.012332	0.004722	0.009182	0.047298	0.003255	0.001718	0.005702	0.000617	0.000687
Single Family Housing	0.607682	0.033070	0.175504	0.098232	0.012332	0.004722	0.009182	0.047298	0.003255	0.001718	0.005702	0.000617	0.000687

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	4.9310	4.9310	4.9000e-004	1.0000e-004	4.9734
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4.9310	4.9310	4.9000e-004	1.0000e-004	4.9734
NaturalGas Mitigated	6.6000e-004	5.9000e-003	4.4000e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.5119	6.5119	1.2000e-004	1.2000e-004	6.5506
NaturalGas Unmitigated	6.6000e-004	5.9000e-003	4.4000e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.5119	6.5119	1.2000e-004	1.2000e-004	6.5506

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 Light Industry	92963.1	5.0000e-004	4.5600e-003	3.8300e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9609	4.9609	1.0000e-004	9.0000e-005	4.9904
Single Family Housing	29065.1	1.6000e-004	1.3400e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5510	1.5510	3.0000e-005	3.0000e-005	1.5602
Total		**6.6000e-004**	**5.9000e-003**	**4.4000e-003**	**4.0000e-005**		**4.6000e-004**	**4.6000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**6.5119**	**6.5119**	**1.3000e-004**	**1.2000e-004**	**6.5506**

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 Light Industry	92963.1	5.0000e-004	4.5600e-003	3.8300e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9609	4.9609	1.0000e-004	9.0000e-005	4.9904
Single Family Housing	29065.1	1.6000e-004	1.3400e-003	5.7000e-004	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	1.5510	1.5510	3.0000e-005	3.0000e-005	1.5602
Total		**6.6000e-004**	**5.9000e-003**	**4.4000e-003**	**4.0000e-005**		**4.6000e-004**	**4.6000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**6.5119**	**6.5119**	**1.3000e-004**	**1.2000e-004**	**6.5506**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	29108.2	3.8585	3.8000e-004	8.0000e-005	3.8917
Single Family Housing	8090.57	1.0725	1.1000e-004	2.0000e-005	1.0817
Total		**4.9310**	**4.9000e-004**	**1.0000e-004**	**4.9734**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	29108.2	3.8585	3.8000e-004	8.0000e-005	3.8917
Single Family Housing	8090.57	1.0725	1.1000e-004	2.0000e-005	1.0817
Total		**4.9310**	**4.9000e-004**	**1.0000e-004**	**4.9734**

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	0.0211	1.1000e-004	7.4500e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0434	0.0434	1.0000e-005	0.0000	0.0439
Unmitigated	0.0211	1.1000e-004	7.4500e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0434	0.0434	1.0000e-005	0.0000	0.0439

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	2.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	3.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0312	0.0312	0.0000	0.0000	0.0314
Landscaping	2.2000e-004	9.0000e-005	7.4400e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0122	0.0122	1.0000e-005	0.0000	0.0125
Total	**0.0211**	**1.2000e-004**	**7.4500e-003**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0434**	**0.0434**	**1.0000e-005**	**0.0000**	**0.0439**

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	2.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0182					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	3.0000e-005	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0312	0.0312	0.0000	0.0000	0.0314
Landscaping	2.2000e-004	9.0000e-005	7.4400e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0122	0.0122	1.0000e-005	0.0000	0.0125
Total	**0.0211**	**1.2000e-004**	**7.4500e-003**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0434**	**0.0434**	**1.0000e-005**	**0.0000**	**0.0439**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.9286	0.0287	6.9000e-004	1.8519
Unmitigated	0.9286	0.0287	6.9000e-004	1.8519

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.814 / 0	0.8421	0.0266	6.4000e-004	1.6969
Single Family Housing	0.065154 / 0.0410754	0.0865	2.1300e-003	5.0000e-005	0.1550
Total		**0.9286**	**0.0287**	**6.9000e-004**	**1.8519**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0.814 / 0	0.8421	0.0266	6.4000e-004	1.6969
Single Family Housing	0.065154 / 0.0410754	0.0865	2.1300e-003	5.0000e-005	0.1550
Total		**0.9286**	**0.0287**	**6.9000e-004**	**1.8519**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.1408	0.0674	0.0000	2.8263
Unmitigated	1.1408	0.0674	0.0000	2.8263

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	4.36	0.8850	0.0523	0.0000	2.1927
Single Family Housing	1.26	0.2558	0.0151	0.0000	0.6337
Total		**1.1408**	**0.0674**	**0.0000**	**2.8263**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	4.36	0.8850	0.0523	0.0000	2.1927
Single Family Housing	1.26	0.2558	0.0151	0.0000	0.6337
Total		**1.1408**	**0.0674**	**0.0000**	**2.8263**

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

Juniper Ave

Unmitigated

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling	**2019**		
	8	hours/day	
	5	days/week	
	30.4	weeks/year	one year construction schedule
	1216	hours/year	

Onsite Construction Area Source Size (m2): 17897.4 from AERMOD

Onsite Construction PM2.5 Emissions

2019	**Construction Activity**	**Onsite Annual DPM Exhaust Emissions (tons/year)**	**Onsite Annual DPM Exhaust Emissions (g/sec)**	**Onsite DPM Source Exhaust Emissions (g/m2-sec)**
	Site Preparation	1.410E-03	2.925E-04	1.634E-08
	Grading	5.100E-04	1.058E-04	5.911E-09
	Building Construction	2.790E-02	5.787E-03	3.233E-07
	Paving	1.030E-03	2.136E-04	1.194E-08
	Architectural Coating	3.200E-04	6.637E-05	3.709E-09
	Total	**3.117E-02**	**6.465E-03**	**3.612E-07**

Offsite Construction Vehicle PM2.5 Emissions

2019	**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)**	
	Site Preparation	0.000E+00	4.000E-05	3.000E-05	
	Grading	0.000E+00	0.000E+00	0.000E+00	
	Building Construction	0.000E+00	3.500E-04	6.000E-05	
	Paving	0.000E+00	0.000E+00	0.000E+00	
	Architectural Coating	0.000E+00	0.000E+00	0.000E+00	
	Total (tons/year)	**0.000E+00**	**3.900E-04**	**9.000E-05**	**4.800E-04**
	Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8	
	Offsite Project Trip Distance Along Roadway Segment Project>Bellevue Ave east> mi	0.83	0.83	0.83	
	Offsite Project Emissions Along Roadway Segment Project>Bellevue Ave east (tons/year)	**0.000E+00**	**4.452E-05**	**6.945E-06**	

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Project Exhaust Emissions (tons/year)	**5.147E-05**
Total Offsite Project Exhaust Emissions (grams/sec)	**1.068E-05**

Onsite Exhaust Emissions (tons/year)	**3.117E-02**
Total Onsite Emissions (tons/year)	**3.117E-02**
Onsite Exhaust Emissions (g/m2-sec)	**3.612E-07**

Total PM@2.5 Exhaust (tons/year)	3.122E-02

Juniper Ave

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 Sensitivty 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

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

Juniper Ave at Sensitive Receptors

Estimated Cancer Risks from Construction DPM - Infant Receptors

X (m)	Y (m)	DPM Annual Emissions (ug/m3)	InfantCancer Risk (3rd Trimester) (1e6/m)	Infant Cancer Risk(year 1) (1e6/m)	Total Cancer Risk (1e6/m)
523836.91	4250537.8	0.001171	0.020	0.239	0.25850
523966.91	4250537.8	0.001211	0.021	0.295	0.31897
523896.91	4250537.8	0.002159	0.030	0.362	0.39113
523726.91	4250537.8	0.00314	0.036	0.438	0.47467
523756.91	4250537.8	0.00373	0.043	0.521	0.56386
523786.91	4250537.8	0.00433	0.050	0.605	0.65456
523816.91	4250537.8	0.00492	0.057	0.687	0.74375
523846.91	4250537.8	0.00548	0.063	0.765	0.82841
523876.91	4250537.8	0.00595	0.069	0.831	0.89966
523906.91	4250537.8	0.00618	0.071	0.863	0.93422
523636.91	4250562.8	0.001166	0.019	0.232	0.25096
523666.91	4250562.8	0.00202	0.023	0.282	0.30536
523696.91	4250562.8	0.00263	0.028	0.339	0.36756
523726.91	4250562.8	0.00324	0.034	0.396	0.42916
523756.91	4250562.8	0.00384	0.039	0.466	0.50480
523786.91	4250562.8	0.00481	0.044	0.532	0.57595
523816.91	4250562.8	0.00627	0.049	0.596	0.64549
523846.91	4250562.8	0.00689	0.054	0.655	0.70898
523876.91	4250562.8	0.00506	0.058	0.706	0.76452
523906.91	4250562.8	0.00525	0.061	0.734	0.79464
523636.91	4250587.8	0.00241	0.019	0.215	0.23338
523666.91	4250587.8	0.00292	0.022	0.268	0.29024
523696.91	4250587.8	0.00226	0.026	0.316	0.34194
523726.91	4250587.8	0.00263	0.030	0.367	0.39757
523756.91	4250587.8	0.003	0.035	0.419	0.45351
523786.91	4250587.8	0.00337	0.039	0.470	0.50866
523816.91	4250587.8	0.00374	0.044	0.521	0.56386
523846.91	4250587.8	0.00408	0.047	0.567	0.61375
523876.91	4250587.8	0.00435	0.050	0.607	0.65759
523906.91	4250587.8	0.00451	0.052	0.630	0.68177
523636.91	4250612.8	0.00194	0.018	0.215	0.23280
523666.91	4250612.8	0.00181	0.021	0.253	0.27362
523696.91	4250612.8	0.0021	0.024	0.293	0.31705
523726.91	4250612.8	0.0024	0.028	0.335	0.36281
523756.91	4250612.8	0.0027	0.031	0.377	0.40856
523786.91	4250612.8	0.003	0.035	0.419	0.45351
523816.91	4250612.8	0.00328	0.038	0.458	0.49583
523846.91	4250612.8	0.00355	0.041	0.496	0.53665
523876.91	4250612.8	0.00378	0.044	0.528	0.57142
523906.91	4250612.8	0.00392	0.046	0.547	0.59192
523636.91	4250637.8	0.00167	0.017	0.205	0.22122
523666.91	4250637.8	0.00171	0.020	0.239	0.25850
523696.91	4250637.8	0.00195	0.023	0.272	0.29478
523726.91	4250637.8	0.00219	0.025	0.306	0.33106
523756.91	4250637.8	0.00244	0.028	0.341	0.36885
523786.91	4250637.8	0.00268	0.031	0.374	0.40513
523816.91	4250637.8	0.0029	0.034	0.405	0.43809
523846.91	4250637.8	0.00312	0.036	0.436	0.47245
523876.91	4250637.8	0.00331	0.038	0.462	0.50027
523906.91	4250637.8	0.00342	0.040	0.477	0.51700
523636.91	4250662.8	0.0014	0.016	0.195	0.21164
523666.91	4250662.8	0.0016	0.018	0.223	0.24187
523696.91	4250662.8	0.00181	0.021	0.253	0.27362
523726.91	4250662.8	0.00201	0.023	0.281	0.30385
523756.91	4250662.8	0.00221	0.026	0.309	0.33408
523786.91	4250662.8	0.0024	0.028	0.335	0.36281
523816.91	4250662.8	0.00258	0.030	0.362	0.39153
523846.91	4250662.8	0.00276	0.032	0.385	0.41723
523876.91	4250662.8	0.00292	0.034	0.408	0.44141
523906.91	4250662.8	0.00302	0.035	0.422	0.45663
523636.91	4250687.8	0.00133	0.015	0.186	0.20335
523666.91	4250687.8	0.0015	0.017	0.209	0.22675
523696.91	4250687.8	0.00167	0.019	0.233	0.25245
523726.91	4250687.8	0.00184	0.021	0.257	0.27815
523756.91	4250687.8	0.00201	0.023	0.281	0.30385
523786.91	4250687.8	0.00217	0.025	0.303	0.32792
523816.91	4250687.8	0.00232	0.027	0.324	0.35071
523846.91	4250687.8	0.00246	0.028	0.343	0.37188
523876.91	4250687.8	0.00256	0.030	0.363	0.39363
523906.91	4250687.8	0.00268	0.031	0.374	0.40513
523636.91	4250712.8	0.00126	0.015	0.176	0.19047
523666.91	4250712.8	0.0014	0.016	0.195	0.21166
523696.91	4250712.8	0.00155	0.018	0.216	0.23431
523726.91	4250712.8	0.00169	0.020	0.236	0.25588
523756.91	4250712.8	0.00183	0.021	0.255	0.27664
523786.91	4250712.8	0.00196	0.023	0.274	0.29629
523816.91	4250712.8	0.00208	0.024	0.292	0.31594
523846.91	4250712.8	0.00221	0.026	0.309	0.33458
523876.91	4250712.8	0.00229	0.027	0.321	0.34781
523906.91	4250712.8	0.0024	0.028	0.335	0.36281
523636.91	4250737.8	0.00119	0.014	0.166	0.17989
523666.91	4250737.8	0.00131	0.015	0.183	0.19803
523696.91	4250737.8	0.00143	0.017	0.200	0.21617
523726.91	4250737.8	0.00155	0.018	0.216	0.23431
523756.91	4250737.8	0.00167	0.019	0.233	0.25245
523786.91	4250737.8	0.00178	0.021	0.249	0.26968
523816.91	4250737.8	0.00189	0.022	0.264	0.28571
523846.91	4250737.8	0.00199	0.023	0.278	0.30083
523876.91	4250737.8	0.00209	0.024	0.292	0.31594
523906.91	4250737.8	0.00216	0.025	0.302	0.32653
523636.91	4250762.8	0.00112	0.013	0.156	0.16851
523666.91	4250762.8	0.00123	0.014	0.172	0.18586
523696.91	4250762.8	0.00133	0.015	0.186	0.20335
523726.91	4250762.8	0.00143	0.017	0.200	0.21617
523756.91	4250762.8	0.00153	0.018	0.214	0.23129
523786.91	4250762.8	0.00162	0.019	0.226	0.24489
523816.91	4250762.8	0.00171	0.020	0.239	0.25850
523846.91	4250762.8	0.00181	0.021	0.253	0.27362
523876.91	4250762.8	0.00189	0.022	0.264	0.28571
523906.91	4250762.8	0.00195	0.023	0.272	0.29478
523636.91	4250787.8	0.00105	0.012	0.147	0.15873
523666.91	4250787.8	0.00115	0.013	0.161	0.17386
523696.91	4250787.8	0.00124	0.014	0.173	0.18705
523726.91	4250787.8	0.00132	0.015	0.184	0.19954
523756.91	4250787.8	0.00141	0.016	0.197	0.21315
523786.91	4250787.8	0.00148	0.017	0.208	0.22526
523816.91	4250787.8	0.00156	0.018	0.218	0.23737
523846.91	4250787.8	0.00164	0.019	0.229	0.24792
523876.91	4250787.8	0.00172	0.020	0.240	0.26001
523906.91	4250787.8	0.00177	0.020	0.247	0.26757
523636.91	4250812.8	0.00099	0.011	0.138	0.14966
523666.91	4250812.8	0.00107	0.012	0.149	0.16175
523696.91	4250812.8	0.00115	0.013	0.161	0.17384
523726.91	4250812.8	0.00123	0.014	0.172	0.18594
523756.91	4250812.8	0.0013	0.015	0.181	0.19652
523786.91	4250812.8	0.00137	0.016	0.191	0.20710
523816.91	4250812.8	0.00143	0.017	0.200	0.21617
523846.91	4250812.8	0.0015	0.017	0.209	0.22675
523876.91	4250812.8	0.00157	0.018	0.219	0.23734
523906.91	4250812.8	0.00161	0.019	0.224	0.24313
523636.91	4250837.8	0.00094	0.011	0.131	0.14230
523666.91	4250837.8	0.001	0.012	0.140	0.15117
523696.91	4250837.8	0.00107	0.012	0.149	0.16175
523726.91	4250837.8	0.00114	0.013	0.159	0.17233
523756.91	4250837.8	0.0012	0.014	0.168	0.18140
523786.91	4250837.8	0.00126	0.015	0.176	0.19047
523816.91	4250837.8	0.00132	0.015	0.184	0.19954
523846.91	4250837.8	0.00138	0.016	0.193	0.20861
523876.91	4250837.8	0.00144	0.017	0.201	0.21768
523906.91	4250837.8	0.00148	0.017	0.207	0.22373
523636.91	4250862.8	0.00088	0.010	0.123	0.13383
523666.91	4250862.8	0.00094	0.011	0.131	0.14210
523696.91	4250862.8	0.001	0.012	0.140	0.15117
523726.91	4250862.8	0.00106	0.012	0.148	0.16024
523756.91	4250862.8	0.00111	0.013	0.155	0.16780
523786.91	4250862.8	0.00116	0.013	0.162	0.17536
523816.91	4250862.8	0.00121	0.014	0.169	0.18291
523846.91	4250862.8	0.00127	0.015	0.177	0.19198
523876.91	4250862.8	0.00132	0.015	0.184	0.19954
523906.91	4250862.8	0.00136	0.016	0.190	0.20559
523636.91	4250887.8	0.00083	0.010	0.116	0.12587
523666.91	4250887.8	0.00089	0.010	0.124	0.13494
523696.91	4250887.8	0.00094	0.011	0.131	0.14210
523726.91	4250887.8	0.00099	0.011	0.138	0.14966
523756.91	4250887.8	0.00103	0.012	0.144	0.15570
523786.91	4250887.8	0.00108	0.012	0.151	0.16327
523816.91	4250887.8	0.00112	0.013	0.156	0.16931
523846.91	4250887.8	0.00117	0.014	0.163	0.17687
523876.91	4250887.8	0.00122	0.014	0.170	0.18443
523906.91	4250887.8	0.00125	0.014	0.175	0.18896
523636.67	4250889.4	0.00017	0.002	0.024	0.02570
523516.67	4250889.4	0.00019	0.002	0.027	0.02872
523536.67	4250889.4	0.00022	0.003	0.031	0.03326
523556.67	4250889.4	0.00026	0.003	0.036	0.03930
523636.67	4250889.4	0.00031	0.004	0.043	0.04686
523516.67	4250918.8	0.00018	0.002	0.025	0.02721
523536.67	4250918.8	0.0002	0.002	0.028	0.03023
523556.67	4250918.8	0.00023	0.003	0.032	0.03477
523636.67	4250918.8	0.00028	0.003	0.039	0.04233
523516.67	4250948.1	0.00021	0.003	0.030	0.03686
523536.67	4250948.1	0.0022	0.002	0.028	0.03023
523556.67	4250948.1	0.00023	0.003	0.032	0.03477
523636.67	4250948.1	0.00026	0.003	0.036	0.03930
523516.67	4250977.4	0.00029	0.003	0.040	0.04384
523636.67	4250977.4	0.00034	0.004	0.047	0.05140
523516.67	4251006.7	0.00023	0.003	0.032	0.03477
523536.67	4251006.7	0.00025	0.003	0.035	0.03779
523556.67	4251006.7	0.00029	0.003	0.040	0.04384
523636.67	4251006.7	0.00034	0.004	0.046	0.04989
523516.67	4251036.0	0.00028	0.003	0.039	0.04233
523536.67	4251036.0	0.00029	0.003	0.040	0.04384
523556.67	4251036.0	0.00032	0.004	0.044	0.04837
523636.67	4251036.0	0.00037	0.004	0.052	0.05593
523516.67	4251065.3	0.00032	0.004	0.044	0.04837
523536.67	4251065.3	0.00034	0.004	0.047	0.05140
523556.67	4251065.3	0.00036	0.004	0.050	0.05442
523636.67	4251065.3	0.00043	0.005	0.060	0.06500
523516.67	4251094.6	0.00036	0.004	0.050	0.05442
523536.67	4251094.6	0.00038	0.005	0.053	0.05745
523556.67	4251094.6	0.00039	0.004	0.056	0.06049
523636.67	4251094.6	0.00049	0.005	0.067	0.07256
523516.67	4251124.0	0.00039	0.005	0.054	0.05896
523536.67	4251124.0	0.00041	0.005	0.057	0.06201
523556.67	4251124.0	0.00044	0.005	0.061	0.06655
523636.67	4251124.0	0.00055	0.006	0.077	0.08314
523609.67	4251216.2	0.00071	0.008	0.099	0.10733
523509.67	4251315.6	0.00034	0.004	0.047	0.05140
523516.67	4251315.6	0.00041	0.005	0.057	0.06198
523536.67	4251315.6	0.00051	0.006	0.071	0.07710
523636.67	4251315.6	0.00066	0.008	0.092	0.09977
523509.67	4251415.2	0.00037	0.004	0.052	0.05593
523509.67	4251582.9	0.00039	0.005	0.054	0.05896
523516.67	4251582.9	0.00049	0.006	0.068	0.07407
523536.67	4251582.9	0.00062	0.007	0.087	0.09472
523636.67	4251582.9	0.00079	0.009	0.110	0.11942
523509.67	4251812.9	0.00103	0.012	0.144	0.15570
523509.67	4251912.3	0.00046	0.005	0.064	0.06956
523516.67	4251912.3	0.00058	0.007	0.081	0.08768
523536.67	4251912.3	0.00073	0.008	0.102	0.11035
523636.67	4251912.3	0.00093	0.011	0.130	0.14059
523609.67	4251912.3	0.00119	0.014	0.166	0.17989
523562.39	4252117	0.00056	0.006	0.078	0.08445
523572.39	4252117	0.00068	0.006	0.068	0.07407
523582.39	4252117	0.00069	0.006	0.069	0.07511
523612.39	4252117	0.00069	0.005	0.054	0.05896
523682.39	4252117	0.00035	0.004	0.049	0.05291
523512.39	4252217	0.00051	0.005	0.043	0.04686
523542.39	4252217	0.00028	0.003	0.039	0.04233
523572.39	4252217	0.00024	0.003	0.036	0.03930
523582.39	4252287	0.00061	0.007	0.085	0.09221
523592.39	4252287	0.00053	0.006	0.074	0.08012
523622.39	4252287	0.00047	0.005	0.066	0.07105
523652.39	4252287	0.00042	0.005	0.059	0.06349
523682.39	4252287	0.00037	0.004	0.052	0.05593
523512.39	4252327	0.00033	0.004	0.046	0.04989
523542.39	4252327	0.0003	0.003	0.042	0.04535
523572.39	4252327	0.00027	0.003	0.038	0.04082
523582.39	4252377	0.00056	0.006	0.078	0.08445
523592.39	4252377	0.00057	0.007	0.080	0.08617
523622.39	4252377	0.0005	0.006	0.070	0.07568
523652.39	4252377	0.00045	0.005	0.063	0.06803
523682.39	4252377	0.0004	0.005	0.056	0.06047
523512.39	4252377	0.00036	0.004	0.050	0.05442
523542.39	4252377	0.00032	0.004	0.045	0.04837
523572.39	4252377	0.00029	0.003	0.040	0.04384
523582.39	4252507	0.00071	0.008	0.099	0.10733
523592.39	4252507	0.00062	0.007	0.087	0.09472
523622.39	4252507	0.00054	0.006	0.075	0.08163
523652.39	4252507	0.00048	0.006	0.067	0.07256
523682.39	4252507	0.00043	0.005	0.060	0.06500
523512.39	4252507	0.00038	0.004	0.053	0.05745
523542.39	4252507	0.00034	0.004	0.047	0.05140
523572.39	4252507	0.00031	0.003	0.043	0.04686
523582.39	4252537	0.00076	0.009	0.106	0.11489
523592.39	4252537	0.00064	0.008	0.092	0.09977
523622.39	4252537	0.00058	0.007	0.081	0.08768
523652.39	4252537	0.00051	0.006	0.071	0.07710
523682.39	4252537	0.00045	0.005	0.063	0.06803
523512.39	4252537	0.0004	0.005	0.056	0.06047
523542.39	4252537	0.00036	0.004	0.050	0.05442
523572.39	4252537	0.00033	0.004	0.046	0.04989
523582.39	4252567	0.0008	0.009	0.112	0.12092
523592.39	4252567	0.00069	0.008	0.097	0.10430
523622.39	4252567	0.00061	0.007	0.085	0.09221
523652.39	4252567	0.00054	0.006	0.075	0.08163
523682.39	4252567	0.00048	0.006	0.067	0.07256
523512.39	4252567	0.00043	0.005	0.060	0.06500
523542.39	4252567	0.00039	0.005	0.054	0.05896
523572.39	4252567	0.00035	0.004	0.049	0.05291
523582.39	4252597	0.00084	0.010	0.117	0.12686
523592.39	4252597	0.00073	0.008	0.102	0.11035
523622.39	4252597	0.00065	0.008	0.091	0.09826
523652.39	4252597	0.00057	0.007	0.080	0.08617
523682.39	4252597	0.00051	0.006	0.071	0.07710
523512.39	4252597	0.00046	0.005	0.064	0.06956
523542.39	4252597	0.00041	0.005	0.057	0.06201
523572.39	4252597	0.00038	0.004	0.053	0.05745
523582.39	4252627	0.00093	0.011	0.130	0.14059
523592.39	4252627	0.00083	0.010	0.116	0.12547
523622.39	4252627	0.00073	0.008	0.102	0.11035
523652.39	4252627	0.00064	0.008	0.092	0.09977
523682.39	4252627	0.00059	0.007	0.082	0.08919
523512.39	4252627	0.00053	0.006	0.074	0.08012
523542.39	4252627	0.00048	0.006	0.067	0.07256
523572.39	4252627	0.00043	0.005	0.060	0.06500
523809.36	4250368.5	0.00475	0.055	0.664	0.71805
523881.46	4250123	0.02406	0.278	3.359	3.63723
523911.05	4250152.2	0.01152	0.596	7.193	7.79829
523911.35	4250151.9	0.01152	0.596	7.193	7.79829
523838.29	4250354.3	0.00338	0.051	0.611	0.66212
523782.36	4250370	0.02203	0.203	2.281	2.53687
523821.35	4250565.5	0.0035	0.040	0.489	0.52989
523817.15	4250580.1	0.00311	0.036	0.434	0.47016
523836.22	4250355.4	0.00326	0.038	0.455	0.49281
523832.57	4250406	0.01981	0.160	1.928	2.08766
523819.94	4250315.6	0.01161	0.134	1.621	1.75507
523801.79	4250994.4	0.01103	0.128	1.540	1.66739
523792.58	4250395	0.00987	0.114	1.378	1.49205
523766.63	4250395.2	0.00894	0.103	1.248	1.35145
523776.54	4250394.7	0.00813	0.094	1.135	1.22893
523776.65	4250410.4	0.00997	0.069	0.833	0.90208
523776.65	4250416.8	0.00573	0.066	0.800	0.86616
523776.65	4250716.8	0.00573	0.076	0.918	0.99386
523776.84	4250363.4	0.01001	0.116	1.397	1.51320
523861.26	4250395.2	0.01917	0.210	2.537	2.74874
523773.52	4250512.6	0.00155	0.018	0.216	0.23431
523771.79	4249990	0.00144	0.017	0.201	0.21768
523869.85	4250511.1	0.00561	0.065	0.783	0.84806
523891.22	4249976.6	0.0035	0.052	0.628	0.68026
523903.24	4249991.1	0.00568	0.065	0.787	0.85259
523914.37	4250212.6	0.00836	0.097	1.167	1.26377
523916.01	4250301	0.00768	0.086	1.038	1.12470
523920.61	4249968.2	0.00407	0.047	0.568	0.61526
523911.68	4249988.2	0.0051	0.059	0.712	0.77096
523877.37	4249920.8	0.00358	0.041	0.471	0.50211
523900.7	4249910.1	0.00365	0.035	0.426	0.46107
523818.8	4249867.4	0.00136	0.016	0.190	0.20559
523818.8	4249867.4	0.00136	0.016	0.190	0.20559
523815.91	4249867.4	0.00119	0.014	0.166	0.17989
524091.36	4250318.7	0.00039	0.005	0.054	0.05896
524601.44	4250417.7	0.00037	0.004	0.052	0.05593
524602.95	4250398.5	0.00034	0.004	0.047	0.05140
CONCUNIT=ug/	m^3	0	0.000	0.000	0.00000
DEPUNIT g/m^	2	0	0.000	0.000	

Maximum Cancer Risk	
T-B	
BAAQMD thresholds of significance	
10	
Exceed threshold?	
No	

Juniper Ave

Unmitigated

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 Sensitivty Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
1	1	3	572	0.72	1	18.6

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

Juniper Ave **Unmitigated** **at Sensitive Receptors**

Estimated Cancer Risks from Construction DPM

X [m]	Y [m]	DPM Annual Emissions [kg/yr4d]	Child Cancer Risk (year 1) 2019 [1/million]
529694.91	4250337.79	0.00171	0.032
529684.91	4250337.79	0.00211	0.039
529694.91	4250337.79	0.00259	0.048
529724.91	4250337.79	0.00414	0.058
529754.91	4250337.79	0.00573	0.069
529784.91	4250337.79	0.00693	0.081
529814.91	4250337.79	0.00852	0.092
529844.91	4250337.79	0.00568	0.102
529874.91	4250337.79	0.00423	0.108
529904.91	4250337.79	0.00418	0.115
529684.91	4250342.79	0.00166	0.031
529694.91	4250342.79	0.00202	0.038
529704.91	4250342.79	0.00243	0.045
529724.91	4250342.79	0.00387	0.053
529754.91	4250342.79	0.00534	0.062
529784.91	4250342.79	0.00681	0.071
529814.91	4250342.79	0.00827	0.079
529844.91	4250342.79	0.00669	0.087
529874.91	4250342.79	0.00506	0.094
529904.91	4250342.79	0.00343	0.098
529934.91	4250342.79	0.00343	0.098
529684.91	4250347.79	0.00192	0.036
529694.91	4250347.79	0.00226	0.042
529724.91	4250347.79	0.00263	0.049
529754.91	4250347.79	0.003	0.056
529784.91	4250347.79	0.00337	0.063
529814.91	4250347.79	0.00373	0.069
529844.91	4250347.79	0.00406	0.076
529874.91	4250347.79	0.00435	0.081
529904.91	4250347.79	0.00451	0.083
529934.91	4250347.79	0.00451	0.083
529684.91	4250352.79	0.00183	0.034
529694.91	4250352.79	0.00211	0.039
529724.91	4250352.79	0.0227	0.050
529754.91	4250352.79	0.003	0.056
529814.91	4250352.79	0.00328	0.061
529844.91	4250352.79	0.00355	0.066
529874.91	4250352.79	0.00378	0.070
529904.91	4250352.79	0.00391	0.073
529684.91	4250357.79	0.00167	0.027
529694.91	4250357.79	0.00171	0.032
529704.91	4250357.79	0.00195	0.036
529724.91	4250357.79	0.00246	0.045
529754.91	4250357.79	0.00268	0.050
529784.91	4250357.79	0.00268	0.050
529814.91	4250357.79	0.0229	0.054
529844.91	4250357.79	0.00512	0.058
529874.91	4250357.79	0.00531	0.062
529904.91	4250357.79	0.00562	0.064
529684.91	4250362.79	0.0014	0.026
529694.91	4250362.79	0.0016	0.030
529704.91	4250362.79	0.0018	0.034
529724.91	4250362.79	0.00201	0.037
529754.91	4250362.79	0.00223	0.041
529784.91	4250362.79	0.0214	0.045
529814.91	4250362.79	0.00259	0.048
529844.91	4250362.79	0.00276	0.051
529874.91	4250362.79	0.00292	0.054
529904.91	4250362.79	0.00302	0.056
529684.91	4250367.79	0.00133	0.025
529694.91	4250367.79	0.0015	0.028
529704.91	4250367.79	0.00167	0.031
529724.91	4250367.79	0.00184	0.034
529754.91	4250367.79	0.00201	0.037
529784.91	4250367.79	0.00217	0.040
529814.91	4250367.79	0.00232	0.043
529844.91	4250367.79	0.00246	0.046
529874.91	4250367.79	0.0226	0.048
529904.91	4250367.79	0.00268	0.050
529684.91	4250712.79	0.00126	0.023
529694.91	4250712.79	0.0014	0.026
529704.91	4250712.79	0.00155	0.029
529724.91	4250712.79	0.00169	0.031
529754.91	4250712.79	0.00183	0.034
529784.91	4250712.79	0.00196	0.036
529814.91	4250712.79	0.00208	0.039
529844.91	4250712.79	0.00221	0.041
529874.91	4250712.79	0.00233	0.043
529904.91	4250712.79	0.0224	0.045
529684.91	4250717.79	0.00119	0.022
529694.91	4250717.79	0.00131	0.024
529704.91	4250717.79	0.00143	0.027
529724.91	4250717.79	0.00155	0.029
529754.91	4250717.79	0.00167	0.031
529784.91	4250717.79	0.00178	0.033
529814.91	4250717.79	0.00189	0.035
529844.91	4250717.79	0.00199	0.037
529874.91	4250717.79	0.00209	0.039
529904.91	4250717.79	0.00216	0.040
529684.91	4250762.79	0.00112	0.021
529694.91	4250762.79	0.00122	0.023
529704.91	4250762.79	0.00133	0.025
529724.91	4250762.79	0.00143	0.027
529754.91	4250762.79	0.00153	0.028
529784.91	4250762.79	0.00162	0.030
529814.91	4250762.79	0.00171	0.032
529844.91	4250762.79	0.00181	0.034
529874.91	4250762.79	0.00189	0.035
529904.91	4250762.79	0.00195	0.036
529684.91	4250767.79	0.00105	0.020
529694.91	4250767.79	0.00115	0.021
529704.91	4250767.79	0.00124	0.023
529724.91	4250767.79	0.00132	0.025
529754.91	4250767.79	0.00141	0.026
529784.91	4250767.79	0.00149	0.028
529814.91	4250767.79	0.00156	0.029
529844.91	4250767.79	0.00164	0.031
529874.91	4250767.79	0.00172	0.032
529904.91	4250767.79	0.00177	0.033
529684.91	4250812.79	0.00099	0.018
529694.91	4250812.79	0.00107	0.020
529704.91	4250812.79	0.00115	0.021
529724.91	4250812.79	0.00123	0.023
529754.91	4250812.79	0.0013	0.024
529784.91	4250812.79	0.00137	0.026
529814.91	4250812.79	0.00143	0.027
529844.91	4250812.79	0.0015	0.028
529874.91	4250812.79	0.00157	0.029
529904.91	4250812.79	0.00161	0.030
529684.91	4250857.79	0.00092	0.017
529694.91	4250857.79	0.001	0.019
529704.91	4250857.79	0.00107	0.020
529724.91	4250857.79	0.00114	0.021
529754.91	4250857.79	0.0012	0.022
529784.91	4250857.79	0.00126	0.023
529814.91	4250857.79	0.00132	0.025
529844.91	4250857.79	0.00138	0.026
529874.91	4250857.79	0.00144	0.027
529904.91	4250857.79	0.00148	0.028
529684.91	4250902.79	0.00088	0.016
529694.91	4250902.79	0.00095	0.018
529704.91	4250902.79	0.001	0.019
529724.91	4250902.79	0.00106	0.020
529754.91	4250902.79	0.00111	0.021
529784.91	4250902.79	0.00116	0.022
529814.91	4250902.79	0.00121	0.023
529844.91	4250902.79	0.00127	0.024
529874.91	4250902.79	0.00132	0.025
529904.91	4250902.79	0.00136	0.025
529684.91	4250947.79	0.00083	0.015
529694.91	4250947.79	0.00089	0.017
529704.91	4250947.79	0.00094	0.018
529724.91	4250947.79	0.00099	0.018
529754.91	4250947.79	0.00104	0.019
529784.91	4250947.79	0.00108	0.020
529814.91	4250947.79	0.00112	0.021
529844.91	4250947.79	0.00117	0.022
529874.91	4250947.79	0.00122	0.023
529904.91	4250947.79	0.00125	0.023
529509.67	4250989.62	0.00017	0.003
529519.67	4250989.62	0.00019	0.004
529539.67	4250989.62	0.00022	0.004
529584.67	4250989.62	0.00026	0.005
529609.67	4250989.62	0.00031	0.006
529639.67	4250989.62	0.00035	0.006
529534.67	4251018.77	0.0002	0.004
529539.67	4251018.77	0.00023	0.004
529584.67	4251018.77	0.00027	0.005
529609.67	4251018.77	0.00031	0.006
529639.67	4251018.77	0.0002	0.004
529509.67	4251018.12	0.00023	0.004
529519.67	4251018.12	0.00026	0.005
529539.67	4251018.12	0.00029	0.005
529584.67	4251018.12	0.00034	0.006
529609.67	4251017.47	0.00023	0.004
529639.67	4251017.47	0.00026	0.005
529534.67	4251017.47	0.00029	0.005
529584.67	4251017.47	0.00033	0.006
529609.67	4251017.47	0.00039	0.007
529639.67	4251016.82	0.00025	0.005
529534.67	4251016.82	0.00028	0.005
529559.67	4251016.82	0.00032	0.006
529584.67	4251016.82	0.00037	0.007
529609.67	4251016.82	0.00044	0.008
529639.67	4251016.17	0.00026	0.005
529534.67	4251016.17	0.0003	0.006
529559.67	4251016.17	0.00035	0.006
529584.67	4251016.17	0.0004	0.007
529609.67	4251016.17	0.00048	0.009
529639.67	4251015.52	0.00027	0.005
529534.67	4251015.52	0.00031	0.006
529559.67	4251015.52	0.00036	0.007
529584.67	4251015.52	0.00043	0.008
529609.67	4251015.52	0.00053	0.010
529639.67	4251014.87	0.00028	0.005
529534.67	4251014.87	0.00033	0.006
529559.67	4251014.87	0.00039	0.007
529584.67	4251014.87	0.00047	0.009
529609.67	4251014.87	0.00059	0.011
529639.67	4251014.22	0.0003	0.006
529534.67	4251014.22	0.00036	0.007
529559.67	4251014.22	0.00044	0.008
529584.67	4251014.22	0.00055	0.010
529609.67	4251014.22	0.00071	0.013
529639.67	4251013.57	0.00032	0.006
529534.67	4251013.57	0.00041	0.008
529559.67	4251013.57	0.00051	0.009
529584.67	4251013.57	0.00066	0.012
529609.67	4251013.57	0.00089	0.016
529639.67	4251012.92	0.00039	0.007
529534.67	4251012.92	0.00049	0.009
529559.67	4251012.92	0.00062	0.012
529584.67	4251012.92	0.00079	0.015
529609.67	4251012.92	0.00109	0.019
529639.67	4251012.27	0.00046	0.009
529534.67	4251012.27	0.00058	0.011
529559.67	4251012.27	0.00073	0.014
529584.67	4251012.27	0.00093	0.017
529609.67	4251012.27	0.00119	0.022
529639.67	4251011.62	0.00052	0.009
529534.67	4251011.62	0.00069	0.012
529559.67	4251011.62	0.00084	0.015
529584.67	4251011.62	0.00104	0.019
529609.67	4251011.62	0.00127	0.023
529639.67	4251010.97	0.00058	0.011
529534.67	4251010.97	0.00076	0.014
529559.67	4251010.97	0.00091	0.017
529584.67	4251010.97	0.00109	0.020
529609.67	4251010.97	0.00127	0.023
529639.67	4251010.32	0.00063	0.012
529534.67	4251010.32	0.00081	0.015
529559.67	4251010.32	0.00095	0.017
529584.67	4251010.32	0.00111	0.020
529609.67	4251010.32	0.00127	0.023
529639.67	4251009.67	0.00066	0.012
529534.67	4251009.67	0.00083	0.015
529559.67	4251009.67	0.00097	0.017
529584.67	4251009.67	0.00111	0.020
529609.67	4251009.67	0.00125	0.023
529639.67	4251009.02	0.00066	0.012
529534.67	4251009.02	0.00081	0.015
529559.67	4251009.02	0.00093	0.017
529584.67	4251009.02	0.00105	0.019
529609.67	4251009.02	0.00116	0.021
529639.67	4251008.37	0.00064	0.012
529534.67	4251008.37	0.00077	0.014
529559.67	4251008.37	0.00088	0.016
529584.67	4251008.37	0.00098	0.018
529609.67	4251008.37	0.00107	0.020
529639.67	4251007.72	0.00061	0.011
529534.67	4251007.72	0.00071	0.013
529559.67	4251007.72	0.00079	0.014
529584.67	4251007.72	0.00087	0.016
529609.67	4251007.72	0.00094	0.017
529639.67	4251007.07	0.00057	0.011
529534.67	4251007.07	0.00064	0.012
529559.67	4251007.07	0.00069	0.013
529584.67	4251007.07	0.00074	0.014
529609.67	4251007.07	0.00078	0.014
529639.67	4251006.42	0.00053	0.010
529534.67	4251006.42	0.00057	0.011
529559.67	4251006.42	0.00061	0.011
529584.67	4251006.42	0.00064	0.012
529609.67	4251006.42	0.00067	0.012
529639.67	4251005.77	0.00049	0.009
529534.67	4251005.77	0.00051	0.009
529559.67	4251005.77	0.00054	0.010
529584.67	4251005.77	0.00056	0.010
529609.67	4251005.77	0.00058	0.010
529639.67	4251005.12	0.00046	0.008
529534.67	4251005.12	0.00047	0.008
529559.67	4251005.12	0.00048	0.009
529584.67	4251005.12	0.00049	0.009
529609.67	4251005.12	0.00050	0.009
529639.67	4251004.47	0.00044	0.008
529534.67	4251004.47	0.00044	0.008
529559.67	4251004.47	0.00045	0.008
529584.67	4251004.47	0.00045	0.008
529609.67	4251004.47	0.00046	0.008
529639.67	4251003.82	0.00043	0.008
529534.67	4251003.82	0.00043	0.008
529559.67	4251003.82	0.00043	0.008
529584.67	4251003.82	0.00043	0.008
529609.67	4251003.82	0.00043	0.008
529639.67	4251003.17	0.00043	0.008
529534.67	4251003.17	0.00043	0.008
529559.67	4251003.17	0.00043	0.008
529584.67	4251003.17	0.00043	0.008
529609.67	4251003.17	0.00043	0.008
529639.67	4251002.52	0.00043	0.008
529534.67	4251002.52	0.00043	0.008
529559.67	4251002.52	0.00043	0.008
529584.67	4251002.52	0.00043	0.008
529609.67	4251002.52	0.00043	0.008
529639.67	4251001.87	0.00043	0.008
529534.67	4251001.87	0.00043	0.008
529559.67	4251001.87	0.00043	0.008
529584.67	4251001.87	0.00043	0.008
529609.67	4251001.87	0.00043	0.008
529639.67	4251001.22	0.00043	0.008
529534.67	4251001.22	0.00043	0.008
529559.67	4251001.22	0.00043	0.008
529584.67	4251001.22	0.00043	0.008
529609.67	4251001.22	0.00043	0.008
529639.67	4251000.57	0.00043	0.008
529534.67	4251000.57	0.00043	0.008
529559.67	4251000.57	0.00043	0.008
529584.67	4251000.57	0.00043	0.008
529609.67	4251000.57	0.00043	0.008
529639.67	4250999.92	0.00043	0.008
529534.67	4250999.92	0.00043	0.008
529559.67	4250999.92	0.00043	0.008
529584.67	4250999.92	0.00043	0.008
529609.67	4250999.92	0.00043	0.008
529639.67	4250999.27	0.00043	0.008
529534.67	4250999.27	0.00043	0.008
529559.67	4250999.27	0.00043	0.008
529584.67	4250999.27	0.00043	0.008
529609.67	4250999.27	0.00043	0.008
529639.67	4250998.62	0.00043	0.008
529534.67	4250998.62	0.00043	0.008
529559.67	4250998.62	0.00043	0.008
529584.67	4250998.62	0.00043	0.008
529609.67	4250998.62	0.00043	0.008
529639.67	4250997.97	0.00043	0.008
529534.67	4250997.97	0.00043	0.008
529559.67	4250997.97	0.00043	0.008
529584.67	4250997.97	0.00043	0.008
529609.67	4250997.97	0.00043	0.008
529639.67	4250997.32	0.00043	0.008
529534.67	4250997.32	0.00043	0.008
529559.67	4250997.32	0.00043	0.008
529584.67	4250997.32	0.00043	0.008
529609.67	4250997.32	0.00043	0.008
529639.67	4250996.67	0.00043	0.008
529534.67	4250996.67	0.00043	0.008
529559.67	4250996.67	0.00043	0.008
529584.67	4250996.67	0.00043	0.008
529609.67	4250996.67	0.00043	0.008
529639.67	4250996.02	0.00043	0.008
529534.67	4250996.02	0.00043	0.008
529559.67	4250996.02	0.00043	0.008
529584.67	4250996.02	0.00043	0.008
529609.67	4250996.02	0.00043	0.008
529639.67	4250995.37	0.00043	0.008
529534.67	4250995.37	0.00043	0.008
529559.67	4250995.37	0.00043	0.008
529584.67	4250995.37	0.00043	0.008
529609.67	4250995.37	0.00043	0.008
529639.67	4250994.72	0.00043	0.008
529534.67	4250994.72	0.00043	0.008
529559.67	4250994.72	0.00043	0.008
529584.67	4250994.72	0.00043	0.008
529609.67	4250994.72	0.00043	0.008
529639.67	4250994.07	0.00043	0.008
529534.67	4250994.07	0.00043	0.008
529559.67	4250994.07	0.00043	0.008
529584.67	4250994.07	0.00043	0.008
529609.67	4250994.07	0.00043	0.008
529639.67	4250993.42	0.00043	0.008
529534.67	4250993.42	0.00043	0.008
529559.67	4250993.42	0.00043	0.008
529584.67	4250993.42	0.00043	0.008
529609.67	4250993.42	0.00043	0.008
529639.67	4250992.77	0.00043	0.008
529534.67	4250992.77	0.00043	0.008
529559.67	4250992.77	0.00043	0.008
529584.67	4250992.77	0.00043	0.008
529609.67	4250992.77	0.00043	0.008
529639.67	4250992.12	0.00043	0.008
529534.67	4250992.12	0.00043	0.008
529559.67	4250992.12	0.00043	0.008
529584.67	4250992.12	0.00043	0.008
529609.67	4250992.12	0.00043	0.008
529639.67	4250991.47	0.00043	0.008
529534.67	4250991.47	0.00043	0.008
529559.67	4250991.47	0.00043	0.008
529584.67	4250991.47	0.00043	0.008
529609.67	4250991.47	0.00043	0.008
529639.67	4250990.82	0.00043	0.008
529534.67	4250990.82	0.00043	0.008
529559.67	4250990.82	0.00043	0.008
529584.67	4250990.82	0.00043	0.008
529609.67	4250990.82	0.00043	0.008
529639.67	4250990.17	0.00043	0.008
529534.67	4250990.17	0.00043	0.008
529559.67	4250990.17	0.00043	0.008
529584.67	4250990.17	0.00043	0.008
529609.67	4250990.17	0.00043	0.008
529639.67	4250989.52	0.00043	0.008
529534.67	4250989.52	0.00043	0.008
529559.67	4250989.52	0.00043	0.008
529584.67	4250989.52	0.00043	0.008
529609.67	4250989.52	0.00043	0.008
529639.67	4250988.87	0.00043	0.008
529534.67	4250988.87	0.00043	0.008
529559.67	4250988.87	0.00043	0.008
529584.67	4250988.87	0.00043	0.008
529609.67	4250988.87	0.00043	0.008
529639.67	4250988.22	0.00043	0.008
529534.67	4250988.22	0.00043	0.008
529559.67	4250988.22	0.00043	0.008
529584.67	4250988.22	0.00043	0.008
529609.67	4250988.22	0.00043	0.008
529639.67	4250987.57	0.00043	0.008
529534.67	4250987.57	0.00043	0.008
529559.67	4250987.57	0.00043	0.008
529584.67	4250987.57	0.00043	0.008
529609.67	4250987.57	0.00043	0.008
529639.67	4250986.92	0.00043	0.008
529534.67	4250986.92	0.00043	0.008
529559.67	4250986.92	0.00043	0.008
529584.67	4250986.92	0.00043	0.008
529609.67	4250986.92	0.00043	0.008
529639.67	4250986.27	0.00043	0.008
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529584.67	4250986.27	0.00043	0.008
529609.67	4250986.27	0.00043	0.008
529639.67	4250985.62	0.00043	0.008
529534.67	4250985.62	0.00043	0.008
529559.67	4250985.62	0.00043	0.008
529584.67	4250985.62	0.00043	0.008
529609.67	4250985.62	0.00043	0.008
529639.67	4250984.97	0.00043	0.008
529534.67	4250984.97	0.00043	0.008
529559.67	4250984.97	0.00043	0.008
529584.67	4250984.97	0.00043	0.008
529609.67	4250984.97	0.00043	0.008
529639.67	4250984.32	0.00043	0.008
529534.67	4250984.32	0.00043	0.008
529559.67	4250984.32	0.00043	0.008
529584.67	4250984.32	0.00043	0.008
529609.67	4250984.32	0.00043	0.008
529639.67	4250983.67	0.00043	0.008
529534.67	4250983.67	0.00043	0.008
529559.67	4250983.67	0.00043	0.008
529584.67	4250983.67	0.00043	0.008
529609.67	4250983.67	0.00043	0.008
529639.67	4250983.02	0.00043	0.008
529534.67	4250983.02	0.00043	0.008
529559.67	4250983.02	0.00043	0.008
529584.67	4250983.02	0.00043	0.008
529609.67	4250983.02	0.00043	0.008
529639.67	4250982.37	0.00043	0.008
529534.67	4250982.37	0.00043	0.008
529559.67	4250982.37	0.00043	0.008
529584.67	4250982.37	0.00043	0.008
529609.67	4250982.37	0.00043	0.008
529639.67	4250981.72	0.00043	0.008
529534.67	4250981.72	0.00043	0.008
529559.67	4250981.72	0.00043	0.008
529584.67	4250981.72	0.00043	0.008
529609.67	4250981.72	0.00043	0.008
529639.67	4250981.07	0.00043	0.008
529534.67	4250981.07	0.00043	0.008
529559.67	4250981.07	0.00043	0.008
529584.67	4250981.07	0.00043	0.008
529609.67	4250981.07	0.00043	0.008
529639.67	4250980.42	0.00043	0.008
529534.67	4250980.42	0.00043	0.008
529559.67	4250980.42	0.00043	0.008
529584.67	4250980.42	0.00043	0.008
529609.67	4250980.42	0.00043	0.008
529639.67	4250979.77	0.00043	0.008
529534.67	4250979.77	0.00043	0.008
529559.67	4250979.77	0.00043	0.008
529584.67	4250979.77	0.00043	0.008
529609.67	4250979.77	0.00043	0.008
529639.67	4250979.12	0.00043	0.008
529534.67	4250979.12	0.00043	0.008
529559.67	4250979.12	0.00043	0.008
529584.67	4250979.12	0.00043	0.008
529609.67	4250979.12	0.00043	0.008
529639.67	4250978.47	0.00043	0.008
529534.67	4250978.47	0.00043	0.008
529559.67	4250978.47	0.00043	0.008
529584.67	4250978.47	0.00043	0.008
529609.67	4250978.47	0.00043	0.008
529639.67	4250977.82	0.00043	0.008
529534.67	4250977.82	0.00043	0.008
529559.67	4250977.82	0.00043	0.008
529584.67	4250977.82	0.00043	0.008
529609.67	4250977.82	0.00043	0.008
529639.67	4250977.17	0.00043	0.008
529534.67	4250977.17	0.00043	0.008
529559.67	4250977.17	0.00043	0.008
529584.67	4250977.17	0.00043	0.008
529609.67	4250977.17	0.00043	0.008
529639.67	4250976.52	0.00043	0.008
529534.67	4250976.52	0.00043	0.008
529559.67	4250976.52	0.00043	0.008
529584.67	4250976.52	0.00043	0.008
529609.67	4250976.52	0.00043	0.008
529639.67	4250975.87	0.00043	0.008
529534.67	4250975.87	0.00043	0.008
529559.67	4250975.87	0.00043	0.008
529584.67	4250975.87	0.00043	0.008
529609.67	4250975.87	0.00043	0.008
529639.67	4250975.22	0.00043	0.008
529534.67	4250975.22	0.00043	0.008
529559.67	4250975.22	0.00043	0.008
529584.67	4250975.22	0.00043	0.008
529609.67	4250975.22	0.00043	0.008
529639.67	4250974.57	0.00043	0.008
529534.67	4250974.57	0.00043	0.008
529559.67	4250974.57	0.00043	0.008
529584.67	4250974.57	0.00043	0.008
529609.67	4250974.57	0.00043	0.008
529639.67	4250973.92	0.00043	0.008
529534.67	4250973.92	0.00043	0.008
529559.67	4250973.92	0.00043	0.008
529584.67	4250973.92	0.00043	0.008
529609.67	4250973.92	0.00043	0.008
529639.67	4250973.27	0.00043	0.008
529534.67	4250973.27	0.00043	0.008
529559.67	4250973.27	0.00043	0.008
529584.67	4250973.27	0.00043	0.008
529609.67	4250973.27	0.00043	0.008
529639.67	4250972.62	0.00043	0.008
529534.67	4250972.62	0.00043	0.008
529559.67	4250972.62	0.00043	0.008
529584.67	4250972.62	0.00043	0.008
529609.67	4250972.62	0.00043	0.008
529639.67	4250971.97	0.00043	0.008
529534.67	4250971.97	0.00043	0.008
529559.67	4250971.97	0.00043	0.008
529584.67	4250971.97	0.00043	0.008
529609.67	4250971.97	0.00043	0.008
529639.67	4250971.32	0.00043	0.008
529534.67	4250971.32	0.00043	0.008
529559.67	4250971.32	0.00043	0.008
529584.67	4250971.32	0.00043	0.008
529609.67	4250971.32	0.00043	0.008
529639.67	4250970.67	0.00043	0.008
529534.67	4250970.67	0.00043	0.008
529559.67	4250970.67	0.00043	0.008
529584.67	4250970.67	0.00043	0.008
529609.67	4250970.67	0.00043	0.008
529639

Juniper Ave

Unmitigated

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 Sensitivty Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
1	1	1	261	0.73	1	2.9

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

Juniper Ave **Unmitigated** **at Sensitive Receptors**

Estimated Cancer Risks from Construction DPM

X (m)	Y (m)	DPM Annual Emissions (kg/yr/m2)	Adult Cancer Risk 2018-2019 (1/million)
523636.91	4255057.8	0.00171	0.005
523666.91	4255057.8	0.00211	0.006
523696.91	4255057.8	0.00259	0.007
523726.91	4255057.8	0.00316	0.009
523756.91	4255057.8	0.00373	0.011
523786.91	4255057.8	0.00433	0.012
523816.91	4255057.8	0.00492	0.014
523846.91	4255057.8	0.00548	0.016
523876.91	4255057.8	0.00595	0.017
523906.91	4255057.8	0.00632	0.018
523636.91	4255062.8	0.00166	0.005
523666.91	4255062.8	0.00202	0.006
523696.91	4255062.8	0.00243	0.007
523726.91	4255062.8	0.00287	0.008
523756.91	4255062.8	0.00333	0.010
523786.91	4255062.8	0.00381	0.011
523816.91	4255062.8	0.00427	0.012
523846.91	4255062.8	0.00469	0.013
523876.91	4255062.8	0.00506	0.015
523906.91	4255062.8	0.00525	0.015
523636.91	4255067.8	0.00161	0.005
523666.91	4255067.8	0.00192	0.006
523696.91	4255067.8	0.00227	0.006
523726.91	4255067.8	0.00263	0.008
523756.91	4255067.8	0.003	0.009
523786.91	4255067.8	0.00337	0.010
523816.91	4255067.8	0.00373	0.011
523846.91	4255067.8	0.00406	0.012
523876.91	4255067.8	0.00435	0.012
523906.91	4255067.8	0.00451	0.013
523636.91	4255072.8	0.00156	0.004
523666.91	4255072.8	0.00181	0.005
523696.91	4255072.8	0.0021	0.006
523726.91	4255072.8	0.00239	0.006
523756.91	4255072.8	0.0027	0.008
523786.91	4255072.8	0.003	0.009
523816.91	4255072.8	0.00328	0.009
523846.91	4255072.8	0.00355	0.010
523876.91	4255072.8	0.00378	0.011
523906.91	4255072.8	0.00391	0.011
523636.91	4255077.8	0.00147	0.004
523666.91	4255077.8	0.00171	0.005
523696.91	4255077.8	0.00195	0.006
523726.91	4255077.8	0.00219	0.006
523756.91	4255077.8	0.00243	0.007
523786.91	4255077.8	0.00268	0.008
523816.91	4255077.8	0.0029	0.008
523846.91	4255077.8	0.00312	0.009
523876.91	4255077.8	0.00331	0.010
523906.91	4255077.8	0.00342	0.010
523636.91	4255082.8	0.0014	0.004
523666.91	4255082.8	0.0016	0.005
523696.91	4255082.8	0.0018	0.005
523726.91	4255082.8	0.00201	0.006
523756.91	4255082.8	0.00221	0.006
523786.91	4255082.8	0.0024	0.007
523816.91	4255082.8	0.00259	0.007
523846.91	4255082.8	0.00277	0.008
523876.91	4255082.8	0.00292	0.008
523906.91	4255082.8	0.00302	0.009
523636.91	4255087.8	0.00133	0.004
523666.91	4255087.8	0.0015	0.004
523696.91	4255087.8	0.00167	0.005
523726.91	4255087.8	0.00184	0.005
523756.91	4255087.8	0.00201	0.006
523786.91	4255087.8	0.00217	0.006
523816.91	4255087.8	0.00232	0.007
523846.91	4255087.8	0.00246	0.007
523876.91	4255087.8	0.00258	0.008
523906.91	4255087.8	0.00266	0.008
523636.91	4255092.8	0.00126	0.004
523666.91	4255092.8	0.0014	0.004
523696.91	4255092.8	0.00155	0.004
523726.91	4255092.8	0.00169	0.005
523756.91	4255092.8	0.00183	0.005
523786.91	4255092.8	0.00196	0.006
523816.91	4255092.8	0.00209	0.006
523846.91	4255092.8	0.00221	0.006
523876.91	4255092.8	0.00233	0.007
523906.91	4255092.8	0.0024	0.007
523636.91	4255097.8	0.00119	0.003
523666.91	4255097.8	0.00132	0.004
523696.91	4255097.8	0.00143	0.004
523726.91	4255097.8	0.00155	0.004
523756.91	4255097.8	0.00167	0.005
523786.91	4255097.8	0.00178	0.005
523816.91	4255097.8	0.00189	0.005
523846.91	4255097.8	0.00199	0.006
523876.91	4255097.8	0.00209	0.006
523906.91	4255097.8	0.00216	0.006
523636.91	4255102.8	0.00112	0.003
523666.91	4255102.8	0.00122	0.004
523696.91	4255102.8	0.00132	0.004
523726.91	4255102.8	0.00143	0.004
523756.91	4255102.8	0.00153	0.004
523786.91	4255102.8	0.00162	0.005
523816.91	4255102.8	0.00171	0.005
523846.91	4255102.8	0.00181	0.005
523876.91	4255102.8	0.00189	0.005
523906.91	4255102.8	0.00195	0.006
523636.91	4255107.8	0.00105	0.003
523666.91	4255107.8	0.00115	0.003
523696.91	4255107.8	0.00124	0.004
523726.91	4255107.8	0.00132	0.004
523756.91	4255107.8	0.00141	0.004
523786.91	4255107.8	0.00149	0.004
523816.91	4255107.8	0.00156	0.004
523846.91	4255107.8	0.00162	0.005
523876.91	4255107.8	0.00172	0.005
523906.91	4255107.8	0.00177	0.005
523636.91	4255112.8	0.00099	0.003
523666.91	4255112.8	0.00107	0.003
523696.91	4255112.8	0.00115	0.003
523726.91	4255112.8	0.00123	0.004
523756.91	4255112.8	0.0013	0.004
523786.91	4255112.8	0.00137	0.004
523816.91	4255112.8	0.00143	0.004
523846.91	4255112.8	0.0015	0.004
523876.91	4255112.8	0.00157	0.005
523906.91	4255112.8	0.00161	0.005
523636.91	4255117.8	0.00094	0.003
523666.91	4255117.8	0.001	0.003
523696.91	4255117.8	0.00107	0.003
523726.91	4255117.8	0.00113	0.003
523756.91	4255117.8	0.0012	0.003
523786.91	4255117.8	0.00126	0.004
523816.91	4255117.8	0.00132	0.004
523846.91	4255117.8	0.00138	0.004
523876.91	4255117.8	0.00143	0.004
523906.91	4255117.8	0.00148	0.004
523636.91	4255122.8	0.00088	0.003
523666.91	4255122.8	0.00094	0.003
523696.91	4255122.8	0.001	0.003
523726.91	4255122.8	0.00106	0.003
523756.91	4255122.8	0.00111	0.003
523786.91	4255122.8	0.00116	0.003
523816.91	4255122.8	0.00121	0.003
523846.91	4255122.8	0.00127	0.004
523876.91	4255122.8	0.00132	0.004
523906.91	4255122.8	0.00136	0.004
523636.91	4255127.8	0.00082	0.003
523666.91	4255127.8	0.00089	0.003
523696.91	4255127.8	0.00094	0.003
523726.91	4255127.8	0.00099	0.003
523756.91	4255127.8	0.00103	0.003
523786.91	4255127.8	0.00108	0.003
523816.91	4255127.8	0.00112	0.003
523846.91	4255127.8	0.00117	0.003
523876.91	4255127.8	0.00122	0.004
523906.91	4255127.8	0.00125	0.004
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523597.67	4255089.4	0.00018	0.000
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523597.67	4255363.8	0.00029	0.001
523597.67	4255364.8	0.00033	0.001
523597.67	4255365.8	0.00037	0.001
523597.67	4255366.8	0.00023	0.001
523597.67	4255367.8	0.00026	0.001
523597.67	4255368.8	0.00029	0.001
523597.67	4255369.8	0.00033	0.001
523597.67	4255370.8	0.00037	0.001
523597.67	4255371.8	0.00023	0.001
523597.67	4255372.8	0.00026	0.001
523597.67	4255373.8	0.00029	0.001
523597.67	4255374.8	0.00033	0.001
523597.67	4255375.8	0.00037	0.001
523597.67	4255376.8	0.00023	0.001
523597.67	4255377.8	0.00026	0.001
523597.67	4255378.8	0.00029	0.001
523597.67	4255379.8	0.00033	0.001
523597.67	4255380.8	0.00037	0.001
523597.67	4255381.8	0.00023	0.001
523597.67	4255382.8	0.00026	0.001
523597.67	4255383.8	0.00029	0.001
523597.67	4255384.8	0.00033	0.001
523597.67	4255385.8	0.00037	0.001
523597.67	4255386.8	0.00023	0.001
523597.67	4255387.8	0.00026	0.001
523597.67	4255388.8	0.00029	0.001
523597.67	4255389.8	0.00033	0.001
523597.67	4255390.8	0.00037	0.001
523597.67	4255391.8	0.00023	0.001
523597.67	4255392.8	0.00026	0.001
523597.67	4255393.8	0.00029	0.001
523597.67	4255394.8	0.00033	0.001
523597.67	4255395.8	0.00037	0.001
523597.67	4255396.8	0.00023	0.001
523597.67	4255397.8	0.00026	0.001
523597.67	4255398.8	0.00029	0.001
523597.67	4255399.8	0.00033	0.001
523597.67	4255400.8	0.00037	0.001
523597.67	4255401.8	0.00023	0.001
523597.67	4255402.8	0.00026	0.001
523597.67	4255403.8	0.00029	0.001
523597.67	4255404.8	0.00033	0.001
523597.67	4255405.8	0.00037	0.001
523597.67	4255406.8	0.00023	0.001
523597.67	4255407.8	0.00026	0.001
523597.67	4255408.8	0.00029	0.001
523597.67	4255409.8	0.00033	0.001
523597.67	4255410.8	0.00037	0.001
523597.67	4255411.8	0.00023	0.001
523597.67	4255412.8	0.00026	0.001
523597.67	4255413.8	0.00029	0.001
523597.67	4255414.8	0.00033	0.001
523597.67	4255415.8	0.00037	0.001
523597.67	4255416.8	0.00023	0.001
523597.67	4255417.8	0.00026	0.001
523597.67	4255418.8	0.00029	0.001
523597.67	4255419.8	0.00033	0.001
523597.67	4255420.8	0.00037	0.001
523597.67	4255421.8	0.00023	0.001
523597.67	4255422.8	0.00026	0.001
523597.67	4255423.8	0.00029	0.001
523597.67	4255424.8	0.00033	0.001
523597.67	4255425.8	0.00037	0.001
523597.67	4255426.8	0.00023	0.001
523597.67	4255427.8	0.00026	0.001
523597.67	4255428.8	0.00029	0.001
523597.67	4255429.8	0.00033	0.001
523597.67	4255430.8	0.00037	0.001
523597.67	4255431.8	0.00023	0.001
523597.67	4255432.8	0.00026	0.001
523597.67	4255433.8	0.00029	0.001
523597.67	4255434.8	0.00033	0.001
523597.67	4255435.8	0.00037	0.001
523597.67	4255436.8	0.00023	0.001
523597.67	4255437.8	0.00026	0.001
523597.67	4255438.8	0.00029	0.001
523597.67	4255439.8	0.00033	0.001
523597.67	4255440.8	0.00037	0.001
523597.67	4255441.8	0.00023	0.001
523597.67	4255442.8	0.00026	0.001
523597.67	4255443.8	0.00029	0.001
523597.67	4255444.8	0.00033	0.001
523597.67	4255445.8	0.00037	0.001
523597.67	4255446.8	0.00023	0.001
523597.67	4255447.8	0.00026	0.001
523597.67	4255448.8	0.00029	0.001
523597.67	4255449.8	0.00033	0.001
523597.67	4255450.8	0.00037	0.001
523597.67	4255451.8	0.00023	0.001
523597.67	4255452.8	0.00026	0.001
523597.67	4255453.8	0.00029	0.001
523597.67	4255454.8	0.00033	0.001
523597.67	4255455.8	0.00037	0.001
523597.67	4255456.8	0.00023	0.001
523597.67	4255457.8	0.00026	0.001
523597.67	4255458.8	0.00029	0.001
523597.67	4255459.8	0.00033	0.001
523597.67	4255460.8	0.00037	0.001
523597.67	4255461.8	0.00023	0.001
523597.67	4255462.8	0.00026	0.001
523597.67	4255463.8	0.00029	0.001
523597

Juniper Ave | **Unmitigated**

Chronic Non-Cancer Hazard Index | **at Sensitive Receptors**

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCRI = DPM/REL

X (m)	Y (m)	DPM Annual Emissions DPM (kg/hr)	CNCRI
519036.91	4250537.79	0.00021	0.00010
519066.91	4250537.79	0.00011	0.00002
519096.91	4250537.79	0.00019	0.00002
519126.91	4250537.79	0.00014	0.00003
519156.91	4250537.79	0.00073	0.00015
519186.91	4250537.79	0.00163	0.00007
519216.91	4250537.79	0.00482	0.00098
519246.91	4250537.79	0.00548	0.00110
519276.91	4250537.79	0.00565	0.00113
519306.91	4250537.79	0.00618	0.00124
519336.91	4250562.79	0.00166	0.00033
519366.91	4250562.79	0.00243	0.00049
519396.91	4250562.79	0.00243	0.00049
519426.91	4250562.79	0.00187	0.00037
519456.91	4250562.79	0.00193	0.00039
519486.91	4250562.79	0.00181	0.00036
519516.91	4250562.79	0.00227	0.00045
519546.91	4250562.79	0.00469	0.00094
519576.91	4250562.79	0.00506	0.00101
519606.91	4250562.79	0.00525	0.00105
519636.91	4250587.79	0.00241	0.00032
519666.91	4250587.79	0.00192	0.00038
519696.91	4250587.79	0.00243	0.00049
519726.91	4250587.79	0.00263	0.00053
519756.91	4250587.79	0.003	0.00060
519786.91	4250587.79	0.00337	0.00067
519816.91	4250587.79	0.00373	0.00075
519846.91	4250587.79	0.00406	0.00081
519876.91	4250587.79	0.00493	0.00097
519906.91	4250612.79	0.00251	0.00050
519936.91	4250612.79	0.00152	0.00031
519966.91	4250612.79	0.00191	0.00038
519996.91	4250612.79	0.0021	0.00042
520026.91	4250612.79	0.00227	0.00045
520056.91	4250612.79	0.0257	0.00514
520086.91	4250612.79	0.003	0.00060
520116.91	4250612.79	0.00328	0.00066
520146.91	4250612.79	0.00355	0.00071
520176.91	4250612.79	0.00378	0.00076
520206.91	4250612.79	0.00391	0.00078
519036.91	4250637.79	0.00147	0.00029
519066.91	4250637.79	0.00171	0.00034
519096.91	4250637.79	0.00195	0.00039
519126.91	4250637.79	0.00219	0.00044
519156.91	4250637.79	0.00239	0.00048
519186.91	4250637.79	0.00258	0.00052
519216.91	4250637.79	0.0029	0.00058
519246.91	4250637.79	0.00312	0.00062
519276.91	4250637.79	0.00331	0.00066
519306.91	4250637.79	0.00342	0.00068
519336.91	4250662.79	0.0014	0.00028
519366.91	4250662.79	0.0016	0.00032
519396.91	4250662.79	0.0018	0.00036
519426.91	4250662.79	0.00201	0.00040
519456.91	4250662.79	0.00221	0.00044
519486.91	4250662.79	0.00239	0.00048
519516.91	4250662.79	0.00259	0.00052
519546.91	4250662.79	0.00276	0.00055
519576.91	4250662.79	0.00293	0.00058
519606.91	4250662.79	0.00302	0.00060
519636.91	4250687.79	0.00133	0.00027
519666.91	4250687.79	0.0015	0.00030
519696.91	4250687.79	0.00167	0.00033
519726.91	4250687.79	0.00183	0.00037
519756.91	4250687.79	0.00201	0.00040
519786.91	4250687.79	0.00217	0.00043
519816.91	4250687.79	0.00234	0.00047
519846.91	4250687.79	0.00249	0.00050
519876.91	4250687.79	0.0026	0.00052
519906.91	4250687.79	0.00268	0.00054
519936.91	4250712.79	0.00126	0.00025
519966.91	4250712.79	0.0014	0.00028
519996.91	4250712.79	0.00155	0.00031
520026.91	4250712.79	0.00169	0.00034
520056.91	4250712.79	0.00183	0.00037
520086.91	4250712.79	0.00196	0.00039
520116.91	4250712.79	0.00209	0.00042
520146.91	4250712.79	0.00222	0.00044
520176.91	4250712.79	0.00233	0.00047
520206.91	4250712.79	0.0024	0.00048
519036.91	4250737.79	0.00119	0.00024
519066.91	4250737.79	0.00131	0.00026
519096.91	4250737.79	0.00143	0.00029
519126.91	4250737.79	0.00155	0.00031
519156.91	4250737.79	0.00167	0.00033
519186.91	4250737.79	0.00178	0.00036
519216.91	4250737.79	0.00189	0.00038
519246.91	4250737.79	0.00199	0.00040
519276.91	4250737.79	0.00209	0.00042
519306.91	4250737.79	0.00218	0.00044
519336.91	4250762.79	0.00112	0.00022
519366.91	4250762.79	0.00122	0.00024
519396.91	4250762.79	0.00133	0.00027
519426.91	4250762.79	0.00143	0.00029
519456.91	4250762.79	0.00153	0.00031
519486.91	4250762.79	0.00162	0.00032
519516.91	4250762.79	0.00171	0.00034
519546.91	4250762.79	0.00181	0.00036
519576.91	4250762.79	0.00189	0.00038
519606.91	4250762.79	0.00197	0.00039
519636.91	4250787.79	0.00105	0.00021
519666.91	4250787.79	0.00115	0.00023
519696.91	4250787.79	0.00124	0.00025
519726.91	4250787.79	0.00132	0.00026
519756.91	4250787.79	0.00141	0.00028
519786.91	4250787.79	0.00149	0.00030
519816.91	4250787.79	0.00156	0.00031
519846.91	4250787.79	0.00163	0.00033
519876.91	4250787.79	0.00172	0.00034
519906.91	4250787.79	0.00177	0.00035
519936.91	4250812.79	0.00092	0.00019
519966.91	4250812.79	0.00107	0.00021
519996.91	4250812.79	0.00115	0.00023
520026.91	4250812.79	0.00123	0.00025
520056.91	4250812.79	0.0013	0.00026
520086.91	4250812.79	0.00137	0.00027
520116.91	4250812.79	0.00143	0.00029
520146.91	4250812.79	0.0015	0.00030
520176.91	4250812.79	0.00157	0.00031
520206.91	4250812.79	0.00161	0.00032
519036.91	4250837.79	0.00084	0.00019
519066.91	4250837.79	0.0009	0.00018
519096.91	4250837.79	0.00097	0.00021
519126.91	4250837.79	0.00104	0.00023
519156.91	4250837.79	0.00112	0.00025
519186.91	4250837.79	0.00118	0.00026
519216.91	4250837.79	0.00124	0.00028
519246.91	4250837.79	0.00129	0.00029
519276.91	4250837.79	0.00134	0.00030
519306.91	4250837.79	0.00137	0.00031
519336.91	4250862.79	0.00076	0.00017
519366.91	4250862.79	0.00081	0.00018
519396.91	4250862.79	0.00086	0.00019
519426.91	4250862.79	0.00091	0.00020
519456.91	4250862.79	0.00096	0.00021
519486.91	4250862.79	0.00101	0.00022
519516.91	4250862.79	0.00106	0.00023
519546.91	4250862.79	0.00111	0.00024
519576.91	4250862.79	0.00116	0.00023
519606.91	4250862.79	0.00121	0.00024
519636.91	4250887.79	0.00127	0.00025
519666.91	4250887.79	0.00132	0.00026
519696.91	4250887.79	0.00136	0.00027
519726.91	4250887.79	0.00083	0.00017
519756.91	4250887.79	0.00089	0.00018
519786.91	4250887.79	0.00094	0.00019
519816.91	4250887.79	0.00098	0.00020
519846.91	4250887.79	0.00103	0.00021
519876.91	4250887.79	0.00108	0.00022
519906.91	4250887.79	0.00112	0.00022
519936.91	4250887.79	0.00117	0.00023
519966.91	4250887.79	0.00122	0.00024
519996.91	4250887.79	0.00125	0.00025
519309.67	4250589.42	0.00017	0.00003
519334.67	4250589.42	0.00019	0.00004
519359.67	4250589.42	0.00022	0.00004
519384.67	4250589.42	0.00026	0.00005
519409.67	4250589.42	0.00029	0.00006
519309.67	4250118.77	0.00018	0.00004
519334.67	4250118.77	0.0002	0.00004
519359.67	4250118.77	0.00023	0.00005
519384.67	4250118.77	0.00027	0.00005
519409.67	4250118.77	0.00031	0.00006
519309.67	4250148.12	0.0002	0.00004
519334.67	4250148.12	0.00023	0.00005
519359.67	4250148.12	0.00026	0.00005
519384.67	4250148.12	0.00029	0.00006
519409.67	4250148.12	0.00033	0.00007
519309.67	4250177.47	0.00021	0.00004
519334.67	4250177.47	0.00025	0.00005
519359.67	4250177.47	0.00029	0.00006
519384.67	4250177.47	0.00033	0.00007
519409.67	4250177.47	0.00039	0.00008
519309.67	4250206.82	0.00025	0.00005
519334.67	4250206.82	0.0028	0.00006
519359.67	4250206.82	0.00032	0.00006
519384.67	4250206.82	0.00037	0.00007
519409.67	4250206.82	0.00042	0.00008
519309.67	4250236.17	0.00029	0.00006
519334.67	4250236.17	0.00033	0.00006
519359.67	4250236.17	0.00035	0.00007
519384.67	4250236.17	0.0004	0.00008
519409.67	4250236.17	0.00038	0.00013
519309.67	4250265.52	0.00027	0.00005
519334.67	4250265.52	0.00031	0.00006
519359.67	4250265.52	0.00036	0.00007
519384.67	4250265.52	0.00043	0.00008
519409.67	4250265.52	0.00053	0.00011
519309.67	4250294.87	0.00028	0.00006
519334.67	4250294.87	0.00033	0.00007
519359.67	4250294.87	0.00039	0.00008
519384.67	4250294.87	0.00048	0.00010
519409.67	4250294.87	0.00059	0.00012
519309.67	4250324.22	0.0003	0.00006
519334.67	4250324.22	0.00036	0.00007
519359.67	4250324.22	0.00044	0.00009
519384.67	4250324.22	0.00055	0.00011
519409.67	4250324.22	0.00071	0.00014
519309.67	4250353.57	0.00032	0.00007
519334.67	4250353.57	0.00041	0.00008
519359.67	4250353.57	0.00051	0.00010
519384.67	4250353.57	0.00066	0.00013
519409.67	4250353.57	0.00086	0.00017
519309.67	4250382.92	0.00039	0.00008
519334.67	4250382.92	0.00049	0.00010
519359.67	4250382.92	0.00062	0.00012
519384.67	4250382.92	0.00079	0.00016
519409.67	4250382.92	0.00103	0.00021
519309.67	4250412.27	0.00046	0.00009
519334.67	4250412.27	0.00058	0.00012
519359.67	4250412.27	0.00073	0.00015
519384.67	4250412.27	0.00093	0.00019
519409.67	4250412.27	0.00121	0.00024
519362.99	4250216.99	0.00056	0.00011
519392.99	4250216.99	0.00069	0.00013
519422.99	4250216.99	0.00083	0.00017
519452.99	4250216.99	0.00099	0.00020
519482.99	4250216.99	0.00117	0.00023
519512.99	4250216.99	0.00135	0.00027
519542.99	4250216.99	0.00151	0.00030
519572.99	4250216.99	0.00166	0.00033
519602.99	4250216.99	0.00179	0.00036
519632.99	4250216.99	0.00191	0.00038
519662.99	4250216.99	0.00201	0.00040
519692.99	4250216.99	0.00209	0.00042
519722.99	4250216.99	0.00216	0.00043
519752.99	4250216.99	0.00222	0.00044
519782.99	4250216.99	0.00227	0.00045
519812.99	4250216.99	0.00231	0.00046
519842.99	4250216.99	0.00235	0.00047
519872.99	4250216.99	0.00238	0.00048
519902.99	4250216.99	0.00241	0.00048
519932.99	4250216.99	0.00243	0.00049
519962.99	4250216.99	0.00245	0.00049
519992.99	4250216.99	0.00246	0.00049
520022.99	4250216.99	0.00247	0.00049
520052.99	4250216.99	0.00248	0.00050
520082.99	4250216.99	0.00248	0.00050
520112.99	4250216.99	0.00248	0.00050
520142.99	4250216.99	0.00248	0.00050
520172.99	4250216.99	0.00248	0.00050
520202.99	4250216.99	0.00248	0.00050
519362.99	4250236.99	0.00056	0.00011
519392.99	4250236.99	0.00069	0.00014
519422.99	4250236.99	0.00084	0.00017
519452.99	4250236.99	0.00101	0.00020
519482.99	4250236.99	0.00121	0.00024
519512.99	4250236.99	0.00142	0.00028
519542.99	4250236.99	0.00163	0.00033
519572.99	4250236.99	0.00183	0.00037
519602.99	4250236.99	0.00202	0.00040
519632.99	4250236.99	0.00219	0.00044
519662.99	4250236.99	0.00235	0.00047
519692.99	4250236.99	0.00249	0.00050
519722.99	4250236.99	0.00261	0.00052
519752.99	4250236.99	0.00272	0.00054
519782.99	4250236.99	0.00282	0.00056
519812.99	4250236.99	0.00291	0.00058
519842.99	4250236.99	0.00299	0.00060
519872.99	4250236.99	0.00306	0.00061
519902.99	4250236.99	0.00312	0.00062
519932.99	4250236.99	0.00318	0.00064
519962.99	4250236.99	0.00323	0.00065
519992.99	4250236.99	0.00328	0.00066
520022.99	4250236.99	0.00332	0.00066
520052.99	4250236.99	0.00336	0.00067
520082.99	4250236.99	0.00339	0.00068
520112.99	4250236.99	0.00342	0.00068
520142.99	4250236.99	0.00344	0.00069
520172.99	4250236.99	0.00346	0.00069
520202.99	4250236.99	0.00348	0.00070
519362.99	4250256.99	0.00056	0.00011
519392.99	4250256.99	0.00069	0.00014
519422.99	4250256.99	0.00084	0.00017
519452.99	4250256.99	0.00101	0.00020
519482.99	4250256.99	0.00121	0.00024
519512.99	4250256.99	0.00142	0.00028
519542.99	4250256.99	0.00163	0.00033
519572.99	4250256.99	0.00183	0.00037
519602.99	4250256.99	0.00202	0.00040
519632.99	4250256.99	0.00219	0.00044
519662.99	4250256.99	0.00235	0.00047
519692.99	4250256.99	0.00249	0.00050
519722.99	4250256.99	0.00261	0.00052
519752.99	4250256.99	0.00272	0.00054
519782.99	4250256.99	0.00282	0.00056
519812.99	4250256.99	0.00291	0.00058
519842.99	4250256.99	0.00299	0.00060
519872.99	4250256.99	0.00306	0.00061
519902.99	4250256.99	0.00312	0.00062
519932.99	4250256.99	0.00318	0.00064
519962.99	4250256.99	0.00323	0.00065
519992.99	4250256.99	0.00328	0.00066
520022.99	4250256.99	0.00332	0.00066
520052.99	4250256.99	0.00336	0.00067
520082.99	4250256.99	0.00339	0.00068
520112.99	4250256.99	0.00342	0.00068
520142.99	4250256.99	0.00344	0.00069
520172.99	4250256.99	0.00346	0.00069
520202.99	4250256.99	0.00348	0.00070
519809.36	4250180.5	0.00475	0.00095
519811.36	4250150.83	0.00475	0.00095
519813.35	4250132.33	0.01522	0.00305
519813.39	4250108.22	0.0276	0.00552
519838.29	4250054.2	0.00438	0.00088
519782.96	4250075.95	0.00203	0.00041
519821.34	4250050.11	0.0015	0.00030
519817.35	4250050.05	0.00311	0.00062
519836.22	4250050.4	0.00326	0.00065
519832.57	4250006	0.01881	0.00376
519819.86	4250013.61	0.01161	0.00232
519801.79	4250994.82	0.01103	0.00221
519801.79	4250994.82	0.00893	0.00179
519766.61	4250995.21	0.00864	0.00173
519776.54	4250994.69	0.00819	0.00164
519756.75	4250995.61	0.00597	0.00119
519723.69	4250996.91	0.00419	0.00083
519758.86	4250974.82	0.00672	0.00134
519783.86	4250969.87	0.01001	0.00200
519831.26	4250985.24	0.01817	0.00363
519776.52	4250951.6	0.00155	0.00031
519779.79	4249990.02	0.00164	0.00033
519866.85	4250011.14	0.00561	0.00112
519866.85	4250011.14	0.0015	0.00030
519905.24	4249991.11	0.00564	0.00113
519934.37	4250012.8	0.00836	0.00167
519936.21	4250000.95	0.00742	0.00148
519909.61	4249968.15	0.00407	0.00081
519911.68	4249949.24	0.0051	0.00102
519877.57	4249920.84	0.00266	0.00053
519906.7	4249910.28	0.00305	0.00061
519837.51	4249876.86	0.00166	0.00033
519819.8	4249867.64	0.00136	0.00027
519819.91	4249867.33	0.00119	0.00024
519819.91	4250018.84	0.00507	0.00101
519821.88	4250017.85	0.00451	0.00090
519822.85	4250998.68	0.00102	0.00207
CONCENT ug/ ug/m3		0	0.00000
DEPOSIT g/m²	2	0	0.00000
0	0	0	0.00000
0	0	0	0.00000
0	0	0	0.00000

Maximum Cancer Risk
0.01
BAAQMD Threshold of significance
5
Exceed threshold?
No

Juniper Ave

Annual Average PM2.5 (Exhaust)

Unmitigated
at Sensitive Receptors

		DPM Annual Emissions	
X	Y	PM2.5	
(m)	(m)	(g/s/m)	
5234636.95	4250537.79	0.00171	
5234666.95	4250537.79	0.00211	
5234696.95	4250537.79	0.00259	
5234726.95	4250537.79	0.00314	
5234756.95	4250537.79	0.00373	
5234786.95	4250537.79	0.00433	
5234816.95	4250537.79	0.00492	
5234846.95	4250537.79	0.00548	
5234876.95	4250537.79	0.00595	
5234906.95	4250537.79	0.00618	
5234636.95	4250562.79	0.00166	
5234666.95	4250562.79	0.00202	
5234696.95	4250562.79	0.00247	
5234726.95	4250562.79	0.00297	
5234756.95	4250562.79	0.00344	
5234786.95	4250562.79	0.00381	
5234816.95	4250562.79	0.00427	
5234846.95	4250562.79	0.00469	
5234876.95	4250562.79	0.00506	
5234906.95	4250562.79	0.00525	
5234636.95	4250587.79	0.00161	
5234666.95	4250587.79	0.00192	
5234696.95	4250587.79	0.00226	
5234726.95	4250587.79	0.00263	
5234756.95	4250587.79	0.003	
5234786.95	4250587.79	0.00337	
5234816.95	4250587.79	0.00373	
5234846.95	4250587.79	0.00406	
5234876.95	4250587.79	0.00435	
5234906.95	4250587.79	0.00451	
5234636.95	4250612.79	0.00151	
5234666.95	4250612.79	0.00181	
5234696.95	4250612.79	0.0021	
5234726.95	4250612.79	0.0024	
5234756.95	4250612.79	0.0027	
5234786.95	4250612.79	0.003	
5234816.95	4250612.79	0.00328	
5234846.95	4250612.79	0.00355	
5234876.95	4250612.79	0.00378	
5234906.95	4250612.79	0.00391	
5234636.95	4250637.79	0.00141	
5234666.95	4250637.79	0.00167	
5234696.95	4250637.79	0.00171	
5234726.95	4250637.79	0.00195	
5234756.95	4250637.79	0.00219	
5234786.95	4250637.79	0.00244	
5234816.95	4250637.79	0.00268	
5234846.95	4250637.79	0.0029	
5234876.95	4250637.79	0.00312	
5234906.95	4250637.79	0.00331	
5234636.95	4250662.79	0.00132	
5234666.95	4250662.79	0.0014	
5234696.95	4250662.79	0.00168	
5234726.95	4250662.79	0.0018	
5234756.95	4250662.79	0.00201	
5234786.95	4250662.79	0.00221	
5234816.95	4250662.79	0.0024	
5234846.95	4250662.79	0.00259	
5234876.95	4250662.79	0.00276	
5234906.95	4250662.79	0.00292	
5234636.95	4250687.79	0.00122	
5234666.95	4250687.79	0.00131	
5234696.95	4250687.79	0.0015	
5234726.95	4250687.79	0.00167	
5234756.95	4250687.79	0.00183	
5234786.95	4250687.79	0.00199	
5234816.95	4250687.79	0.00217	
5234846.95	4250687.79	0.00232	
5234876.95	4250687.79	0.00246	
5234906.95	4250687.79	0.0026	
5234636.95	4250712.79	0.00108	
5234666.95	4250712.79	0.00126	
5234696.95	4250712.79	0.0014	
5234726.95	4250712.79	0.00155	
5234756.95	4250712.79	0.00169	
5234786.95	4250712.79	0.00183	
5234816.95	4250712.79	0.00198	
5234846.95	4250712.79	0.00209	
5234876.95	4250712.79	0.00221	
5234906.95	4250712.79	0.00228	
5234636.95	4250737.79	0.0014	
5234666.95	4250737.79	0.00155	
5234696.95	4250737.79	0.00169	
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5234756.95	4250737.79	0.00195	
5234786.95	4250737.79	0.00208	
5234816.95	4250737.79	0.00221	
5234846.95	4250737.79	0.00233	
5234876.95	4250737.79	0.00244	
5234906.95	4250737.79	0.00249	
5234636.95	4250762.79	0.00155	
5234666.95	4250762.79	0.00169	
5234696.95	4250762.79	0.00182	
5234726.95	4250762.79	0.00195	
5234756.95	4250762.79	0.00208	
5234786.95	4250762.79	0.00221	
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5234666.95	4250787.79	0.00185	
5234696.95	4250787.79	0.00198	
5234726.95	4250787.79	0.00211	
5234756.95	4250787.79	0.00223	
5234786.95	4250787.79	0.00235	
5234816.95	4250787.79	0.00246	
5234846.95	4250787.79	0.00257	
5234876.95	4250787.79	0.00262	
5234906.95	4250787.79	0.00264	
5234636.95	4250812.79	0.00187	
5234666.95	4250812.79	0.00201	
5234696.95	4250812.79	0.00214	
5234726.95	4250812.79	0.00225	
5234756.95	4250812.79	0.00236	
5234786.95	4250812.79	0.00247	
5234816.95	4250812.79	0.00257	
5234846.95	4250812.79	0.00263	
5234876.95	4250812.79	0.00265	
5234906.95	4250812.79	0.00267	
5234636.95	4250837.79	0.00204	
5234666.95	4250837.79	0.00217	
5234696.95	4250837.79	0.00227	
5234726.95	4250837.79	0.00238	
5234756.95	4250837.79	0.00248	
5234786.95	4250837.79	0.00258	
5234816.95	4250837.79	0.00264	
5234846.95	4250837.79	0.00266	
5234876.95	4250837.79	0.00268	
5234906.95	4250837.79	0.00269	
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5234666.95	4250862.79	0.00232	
5234696.95	4250862.79	0.00242	
5234726.95	4250862.79	0.00252	
5234756.95	4250862.79	0.00261	
5234786.95	4250862.79	0.00269	
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5234876.95	4251187.79	0.00279	
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5234876.95	4251287.79	0.00279	
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*   AERMOD( 1808   1): C:\pisvn\a    !!\Desktop\Si   29_20011119  2jusrperav epripac  ifycontr    uction HRA     13-Jun /18
*   AERMET ( 1413   A):                                                                                                 14:42 :25
*   MODELING OPT:  DNS USED:  Re   gDFAULT CONC   ELEV UR    RAN
*   PLOT           FILE OF ANNEAL   VALUES AVERA  GED ACROSS  S YEARS    FOR SO  URCE GRO   UP: ALL
*   FOR A          TOTAL OF  11     1 RECEPTORS.
*   FORMA          T: (1X,I3,I1,1.5   ,1X,I3,I8,2(,                  2X,A6,2X,A   8,2X,I8,8,   2X,A8)
*   X              Y                  AVERAGE CONC                    8)ELEV                   24HLL                 AVE                GRP                NUM YRS  NET ID
*
    ____________ ____________ ____________ ____________ ____________ ____________ ____________ ____________ ____________ ____________
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    523846.91    4250712.79    0.00221      34           34           0 ANNUAL     ALL          S UCARTS
    523876.91    4250712.79    0.00232      34           34           0 ANNUAL     ALL          S UCARTS
    523906.91    4250712.79    0.00024      34           34           0 ANNUAL     ALL          S UCARTS
    523636.91    4250737.79    0.00119      34           34           0 ANNUAL     ALL          S UCARTS
    523666.91    4250737.79    0.00131      34           34           0 ANNUAL     ALL          S UCARTS
    523696.91    4250737.79    0.00143      34           34           0 ANNUAL     ALL          S UCARTS
    523726.91    4250737.79    0.00155      34           34           0 ANNUAL     ALL          S UCARTS
    523756.91    4250737.79    0.00167      34           34           0 ANNUAL     ALL          S UCARTS
    523786.91    4250737.79    0.00178      34           34           0 ANNUAL     ALL          S UCARTS
    523816.91    4250737.79    0.00189      34           34           0 ANNUAL     ALL          S UCARTS
    523846.91    4250737.79    0.00199      34           34           0 ANNUAL     ALL          S UCARTS
    523876.91    4250737.79    0.00209      34           34           0 ANNUAL     ALL          S UCARTS
    523906.91    4250737.79    0.00216      34           34           0 ANNUAL     ALL          S UCARTS
    523636.91    4250762.79    0.00112      34           34           0 ANNUAL     ALL          S UCARTS
    523666.91    4250762.79    0.00123      34           34           0 ANNUAL     ALL          S UCARTS
    523696.91    4250762.79    0.00132      34           34           0 ANNUAL     ALL          S UCARTS
    523726.91    4250762.79    0.00143      34           34           0 ANNUAL     ALL          S UCARTS
    523756.91    4250762.79    0.00153      34           34           0 ANNUAL     ALL          S UCARTS
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    523559.67    4250948.12    0.00026      32           32           0 ANNUAL     ALL          S UCARTZ
    523584.67    4250948.12    0.00029      32           32           0 ANNUAL     ALL          S UCARTZ
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    523584.67    4250006.82    0.00037      32           32           0 ANNUAL     ALL          S UCARTZ
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    523534.67    4250065.52    0.00041      32           32           0 ANNUAL     ALL          S UCARTZ
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    523534.67    4250094.87    0.00018      32           32           0 ANNUAL     ALL          S UCARTZ
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    523911.05    4250152.22    0.01152      33           33           0 ANNUAL     ALL          S
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    523837.15    4250050.05    0.00311      32           32           0 ANNUAL     ALL          S
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    523832.57    4250406       0.01185      34           34           0 ANNUAL     ALL          S
    523819.94    4250411.62    0.01162      34           34           0 ANNUAL     ALL          S
    523801.79    4250394.42    0.01103      34           34           0 ANNUAL     ALL          S
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    523788.43    4250385.21    0.00884      34           34           0 ANNUAL     ALL          S
    523776.54    4250384.69    0.00813      34           34           0 ANNUAL     ALL          S
    523754.75    4250410.41    0.00597      33.94        33.94        0 ANNUAL     ALL          S
    523753.46    4250411.62    0.00573      33.94        33.94        0 ANNUAL     ALL          S
    523758.66    4250374.82    0.00672      33.5         33.5         0 ANNUAL     ALL          S
    523783.84    4250363.37    0.01001      33.23        33.23        0 ANNUAL     ALL          S
    523801.24    4250385.24    0.01817      33.98        33.98        0 ANNUAL     ALL          S
    523774.52    4250012.6     0.00155      32           32           0 ANNUAL     ALL          S
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    523893.22    4249976.55    0.00645      32           32           0 ANNUAL     ALL          S
    523905.28    4249991.11    0.00564      32           32           0 ANNUAL     ALL          S
    523934.37    4250012.6     0.00836      32           32           0 ANNUAL     ALL          S
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    523952.48    4249949.34    0.0051       32           32           0 ANNUAL     ALL          S
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    523837.51    4249874.86    0.00156      32           32           0 ANNUAL     ALL          S
    523823.8     4249847.44    0.00116      32           32           0 ANNUAL     ALL          S
    523815.91    4249847.33    0.00119      32           32           0 ANNUAL     ALL          S
    524035.36    4250418.65    0.00039      34.62        427          0 ANNUAL     ALL          S
    524005.44    4250417.65    0.00037      34.93        427          0 ANNUAL     ALL          S
    524022.95    4250388.49    0.00034      34.39        427          0 ANNUAL     ALL          S
** CONCUNIT ug/    m^3
** DSPUNIT g/m^    2
```

```
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.6.1
** Lakes Environmental Software Inc.
** Date: 6/13/2018
** File:
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA-
actual\construction HRA-actual.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 10000
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "construction HRA-actual.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PAREA1       AREAPOLY   523859.536  4250273.769
33.000
** DESCRSRC Onsite area source
** ---------------------------------------------------------------------
--
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC off-site trucks
** PREFIX
** Length of Side = 9.00
** Configuration = Adjacent
** Emission Rate = 0.00001068
** Elevated
** Vertical Dimension = 6.22
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** 523902.522, 4250433.942, 34.00, 0.00, 4.19
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** 524261.833, 4250437.223, 34.00, 0.00, 4.19
** 524361.915, 4250437.223, 34.00, 0.00, 4.19
** 524695.105, 4250453.416, 35.00, 0.00, 4.19
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** 524766.886, 4250716.611, 36.00, 0.00, 4.19
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** End of LINE VOLUME Source ID = SLINE1
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SRCPARAM	L0000134	0.00000007168	0.00	4.19	1.45
SRCPARAM	L0000135	0.00000007168	0.00	4.19	1.45
SRCPARAM	L0000136	0.00000007168	0.00	4.19	1.45
SRCPARAM	L0000137	0.00000007168	0.00	4.19	1.45
SRCPARAM	L0000138	0.00000007168	0.00	4.19	1.45
SRCPARAM	L0000139	0.00000007168	0.00	4.19	1.45
SRCPARAM	L0000140	0.00000007168	0.00	4.19	1.45
SRCPARAM	L0000141	0.00000007168	0.00	4.19	1.45
SRCPARAM	L0000142	0.00000007168	0.00	4.19	1.45
SRCPARAM	L0000143	0.00000007168	0.00	4.19	1.45

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   SRCPARAM L0000144     0.00000007168      0.00      4.19      1.45
   SRCPARAM L0000145     0.00000007168      0.00      4.19      1.45
   SRCPARAM L0000146     0.00000007168      0.00      4.19      1.45
   SRCPARAM L0000147     0.00000007168      0.00      4.19      1.45
   SRCPARAM L0000148     0.00000007168      0.00      4.19      1.45
   SRCPARAM L0000149     0.00000007168      0.00      4.19      1.45
** ------------------------------------------------------------------
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   URBANSRC PAREA1
   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
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   URBANSRC L0000025
   URBANSRC L0000026
   URBANSRC L0000027
   URBANSRC L0000028
   URBANSRC L0000029
   URBANSRC L0000030
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   URBANSRC L0000032
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   URBANSRC L0000034
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   URBANSRC L0000036
   URBANSRC L0000037
   URBANSRC L0000038
   URBANSRC L0000039
   URBANSRC L0000040
   URBANSRC L0000041
   URBANSRC L0000042
   URBANSRC L0000043
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URBANSRC L0000044
URBANSRC L0000045
URBANSRC L0000046
URBANSRC L0000047
URBANSRC L0000048
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URBANSRC L0000050
URBANSRC L0000051
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URBANSRC L0000090
URBANSRC L0000091
URBANSRC L0000092
URBANSRC L0000093
URBANSRC L0000094
URBANSRC L0000095
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URBANSRC L0000096
URBANSRC L0000097
URBANSRC L0000098
URBANSRC L0000099
URBANSRC L0000100
URBANSRC L0000101
URBANSRC L0000102
URBANSRC L0000103
URBANSRC L0000104
URBANSRC L0000105
URBANSRC L0000106
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URBANSRC L0000137
URBANSRC L0000138
URBANSRC L0000139
URBANSRC L0000140
URBANSRC L0000141
URBANSRC L0000142
URBANSRC L0000143
URBANSRC L0000144
URBANSRC L0000145
URBANSRC L0000146
URBANSRC L0000147
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   URBANSRC L0000148
   URBANSRC L0000149

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 2"
** WeekDays:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 0.0 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 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
** 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
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000004     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000005     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000006     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000007     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0000008     HRDOW 1.0 1.0 1.0 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 L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000009     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000010     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000011     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000012     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000013     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000014     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000015     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000016     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000017     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000018     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000019     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000020     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000021     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000022     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000023     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000024     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000025     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000026     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000027     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000028     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000029     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000030     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000031     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000032     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000032     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 L0000033     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000033     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000034     HRDOW 1.0 1.0 1.0 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
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000035     HRDOW 1.0 1.0 1.0 0.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000036     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000037     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000038     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000039     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000040     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000041     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000042     HRDOW 1.0 1.0 1.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000043     HRDOW 1.0 1.0 1.0 0.0 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 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000044     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000045     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000045     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0000046     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0000046     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000047     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0000112     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0000140     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000140     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000143     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000143     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000143     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000143     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000144     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000144     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000144     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000144     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000145     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000145     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000145     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000145     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000146     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000146     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000146     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000146     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000147     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000147     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000147     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000147     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000148     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000148     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000148     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000148     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000149     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000149     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000149     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000149     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP AREA     PAREA1 L0000001 L0000002 L0000003 L0000004
L0000005
   SRCGROUP AREA     L0000006 L0000007 L0000008 L0000009 L0000010
L0000011
   SRCGROUP AREA     L0000012 L0000013 L0000014 L0000015 L0000016
L0000017
   SRCGROUP AREA     L0000018 L0000019 L0000020 L0000021 L0000022
L0000023
```

```
   SRCGROUP AREA     L0000024 L0000025 L0000026 L0000027 L0000028
L0000029
   SRCGROUP AREA     L0000030 L0000031 L0000032 L0000033 L0000034
L0000035
   SRCGROUP AREA     L0000036 L0000037 L0000038 L0000039 L0000040
L0000041
   SRCGROUP AREA     L0000042 L0000043 L0000044 L0000045 L0000046
L0000047
   SRCGROUP AREA     L0000048 L0000049 L0000050 L0000051 L0000052
L0000053
   SRCGROUP AREA     L0000054 L0000055 L0000056 L0000057 L0000058
L0000059
   SRCGROUP AREA     L0000060 L0000061 L0000062 L0000063 L0000064
L0000065
   SRCGROUP AREA     L0000066 L0000067 L0000068 L0000069 L0000070
L0000071
   SRCGROUP AREA     L0000072 L0000073 L0000074 L0000075 L0000076
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   SRCGROUP AREA     L0000078 L0000079 L0000080 L0000081 L0000082
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   SRCGROUP AREA     L0000084 L0000085 L0000086 L0000087 L0000088
L0000089
   SRCGROUP AREA     L0000090 L0000091 L0000092 L0000093 L0000094
L0000095
   SRCGROUP AREA     L0000096 L0000097 L0000098 L0000099 L0000100
L0000101
   SRCGROUP AREA     L0000102 L0000103 L0000104 L0000105 L0000106
L0000107
   SRCGROUP AREA     L0000108 L0000109 L0000110 L0000111 L0000112
L0000113
   SRCGROUP AREA     L0000114 L0000115 L0000116 L0000117 L0000118
L0000119
   SRCGROUP AREA     L0000120 L0000121 L0000122 L0000123 L0000124
L0000125
   SRCGROUP AREA     L0000126 L0000127 L0000128 L0000129 L0000130
L0000131
   SRCGROUP AREA     L0000132 L0000133 L0000134 L0000135 L0000136
L0000137
   SRCGROUP AREA     L0000138 L0000139 L0000140 L0000141 L0000142
L0000143
   SRCGROUP AREA     L0000144 L0000145 L0000146 L0000147 L0000148
L0000149
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "construction HRA-actual.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 "CONSTRUCTION HRA-ACTUAL.AD\AN00GALL.PLT" 31
   PLOTFILE ANNUAL AREA "CONSTRUCTION HRA-ACTUAL.AD\AN00G001.PLT" 32
   SUMMFILE "construction HRA-actual.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 CO W320      22       URBOPT: Input Parameter May Be Out-of-Range for
Parameter       URB-POP

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

```
 *** AERMOD - VERSION  18081 ***   ***
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 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                                 ***     MODEL SETUP
OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

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

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

 **Model Uses URBAN Dispersion Algorithm for the SBL for   150
Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =     10000.0 ;  Urban Roughness Length =  1.000 m

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

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

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  DPM

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:    150 Source(s);       2 Source Group(s); and
311 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    149 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 =      3.7 MB of RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 **Detailed Error/Message File:   construction HRA-actual.err
 **File for Summary of Results:   construction HRA-actual.sum

 *** AERMOD - VERSION  18081 ***   ***
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PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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   0.71680E-07  523855.7 4250231.7    33.0     0.00
4.19     1.45     YES   HRDOW
 L0000002         0   0.71680E-07  523855.6 4250240.7    33.0     0.00
4.19     1.45     YES   HRDOW
 L0000003         0   0.71680E-07  523855.5 4250249.7    33.0     0.00
4.19     1.45     YES   HRDOW
 L0000004         0   0.71680E-07  523855.4 4250258.7    33.0     0.00
4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
 L0000006         0   0.71680E-07  523855.3 4250276.7    33.0     0.00
4.19     1.45     YES   HRDOW
 L0000007         0   0.71680E-07  523855.2 4250285.7    33.0     0.00
4.19     1.45     YES   HRDOW
 L0000008         0   0.71680E-07  523855.1 4250294.7    33.0     0.00
4.19     1.45     YES   HRDOW
 L0000009         0   0.71680E-07  523855.0 4250303.7    33.0     0.00
4.19     1.45     YES   HRDOW
 L0000010         0   0.71680E-07  523854.9 4250312.7    33.0     0.00
4.19     1.45     YES   HRDOW
 L0000011         0   0.71680E-07  523854.8 4250321.7    33.0     0.00
4.19     1.45     YES   HRDOW
 L0000012         0   0.71680E-07  523854.7 4250330.7    33.1     0.00
4.19     1.45     YES   HRDOW
 L0000013         0   0.71680E-07  523854.6 4250339.7    33.4     0.00
4.19     1.45     YES   HRDOW
 L0000014         0   0.71680E-07  523854.5 4250348.7    33.7     0.00
4.19     1.45     YES   HRDOW
 L0000015         0   0.71680E-07  523854.4 4250357.7    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000016         0   0.71680E-07  523854.3 4250366.7    34.0     0.00
4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
 L0000018         0   0.71680E-07  523854.1 4250384.7    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000019         0   0.71680E-07  523853.8 4250393.7    34.0     0.00
4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
 L0000021         0   0.71680E-07  523853.2 4250411.7    34.0     0.00
4.19     1.45     YES   HRDOW
```

```
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4.19     1.45     YES   HRDOW
 L0000024          0   0.71680E-07  523858.9 4250432.5    34.0     0.00
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4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
 L0000038          0   0.71680E-07  523984.8 4250435.4    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000039          0   0.71680E-07  523993.8 4250435.5    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000040          0   0.71680E-07  524002.8 4250435.6    34.0     0.00
4.19     1.45     YES   HRDOW

 *** AERMOD - VERSION  18081 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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   0.71680E-07  524011.8 4250435.7    34.0     0.00
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4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW
 L0000079          0   0.71680E-07  524353.8 4250437.2    34.0     0.00
4.19     1.45     YES   HRDOW
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4.19     1.45     YES   HRDOW

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PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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   0.71680E-07  524371.8 4250437.7    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000082         0   0.71680E-07  524380.8 4250438.1    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000083         0   0.71680E-07  524389.8 4250438.6    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000084         0   0.71680E-07  524398.8 4250439.0    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000085         0   0.71680E-07  524407.8 4250439.5    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000086         0   0.71680E-07  524416.7 4250439.9    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000087         0   0.71680E-07  524425.7 4250440.3    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000088         0   0.71680E-07  524434.7 4250440.8    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000089         0   0.71680E-07  524443.7 4250441.2    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000090         0   0.71680E-07  524452.7 4250441.6    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000091         0   0.71680E-07  524461.7 4250442.1    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000092         0   0.71680E-07  524470.7 4250442.5    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000093         0   0.71680E-07  524479.7 4250442.9    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000094         0   0.71680E-07  524488.7 4250443.4    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000095         0   0.71680E-07  524497.7 4250443.8    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000096         0   0.71680E-07  524506.6 4250444.3    34.0     0.00
4.19     1.45     YES   HRDOW
 L0000097         0   0.71680E-07  524515.6 4250444.7    34.1     0.00
4.19     1.45     YES   HRDOW
 L0000098         0   0.71680E-07  524524.6 4250445.1    34.3     0.00
4.19     1.45     YES   HRDOW
 L0000099         0   0.71680E-07  524533.6 4250445.6    34.6     0.00
4.19     1.45     YES   HRDOW
 L0000100         0   0.71680E-07  524542.6 4250446.0    34.9     0.00
4.19     1.45     YES   HRDOW
 L0000101         0   0.71680E-07  524551.6 4250446.4    35.0     0.00
4.19     1.45     YES   HRDOW
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 L0000102          0   0.71680E-07  524560.6 4250446.9    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000103          0   0.71680E-07  524569.6 4250447.3    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000104          0   0.71680E-07  524578.6 4250447.8    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000105          0   0.71680E-07  524587.5 4250448.2    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000106          0   0.71680E-07  524596.5 4250448.6    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000107          0   0.71680E-07  524605.5 4250449.1    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000108          0   0.71680E-07  524614.5 4250449.5    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000109          0   0.71680E-07  524623.5 4250449.9    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000110          0   0.71680E-07  524632.5 4250450.4    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000111          0   0.71680E-07  524641.5 4250450.8    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000112          0   0.71680E-07  524650.5 4250451.2    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000113          0   0.71680E-07  524659.5 4250451.7    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000114          0   0.71680E-07  524668.4 4250452.1    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000115          0   0.71680E-07  524677.4 4250452.6    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000116          0   0.71680E-07  524686.4 4250453.0    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000117          0   0.71680E-07  524695.4 4250453.6    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000118          0   0.71680E-07  524702.8 4250458.7    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000119          0   0.71680E-07  524710.2 4250463.8    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000120          0   0.71680E-07  524717.6 4250469.0    35.0     0.00
4.19     1.45     YES   HRDOW

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 L0000121         0   0.71680E-07  524725.0 4250474.1    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000122         0   0.71680E-07  524732.4 4250479.2    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000123         0   0.71680E-07  524739.8 4250484.3    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000124         0   0.71680E-07  524747.2 4250489.5    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000125         0   0.71680E-07  524751.9 4250496.1    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000126         0   0.71680E-07  524752.5 4250505.1    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000127         0   0.71680E-07  524753.1 4250514.0    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000128         0   0.71680E-07  524753.7 4250523.0    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000129         0   0.71680E-07  524754.3 4250532.0    35.0     0.00
4.19     1.45     YES   HRDOW
 L0000130         0   0.71680E-07  524755.0 4250541.0    35.2     0.00
4.19     1.45     YES   HRDOW
 L0000131         0   0.71680E-07  524755.6 4250550.0    35.5     0.00
4.19     1.45     YES   HRDOW
 L0000132         0   0.71680E-07  524756.2 4250558.9    35.8     0.00
4.19     1.45     YES   HRDOW
 L0000133         0   0.71680E-07  524756.8 4250567.9    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000134         0   0.71680E-07  524757.4 4250576.9    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000135         0   0.71680E-07  524758.0 4250585.9    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000136         0   0.71680E-07  524758.6 4250594.9    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000137         0   0.71680E-07  524759.2 4250603.8    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000138         0   0.71680E-07  524759.8 4250612.8    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000139         0   0.71680E-07  524760.4 4250621.8    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000140         0   0.71680E-07  524761.1 4250630.8    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000141         0   0.71680E-07  524761.7 4250639.8    36.0     0.00
4.19     1.45     YES   HRDOW
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 L0000142         0   0.71680E-07  524762.3 4250648.7    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000143         0   0.71680E-07  524762.9 4250657.7    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000144         0   0.71680E-07  524763.5 4250666.7    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000145         0   0.71680E-07  524764.1 4250675.7    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000146         0   0.71680E-07  524764.7 4250684.7    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000147         0   0.71680E-07  524765.3 4250693.6    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000148         0   0.71680E-07  524765.9 4250702.6    36.0     0.00
4.19     1.45     YES   HRDOW
 L0000149         0   0.71680E-07  524766.5 4250711.6    36.0     0.00
4.19     1.45     YES   HRDOW

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 PAREA1           0   0.36120E-06  523859.5 4250273.8    33.0     5.00
4         0.00     YES   HRDOW

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN
```

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
AREA	PAREA1 , 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 , L0000071 ,
	L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 ,
	L0000080 , L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 ,
	L0000088 , L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 ,
	L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 ,
	L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 ,
	L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 ,

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             L0000120    , L0000121    , L0000122    , L0000123    ,
L0000124    , L0000125    , L0000126    , L0000127    ,

             L0000128    , L0000129    , L0000130    , L0000131    ,
L0000132    , L0000133    , L0000134    , L0000135    ,

             L0000136    , L0000137    , L0000138    , L0000139    ,
L0000140    , L0000141    , L0000142    , L0000143    ,

             L0000144    , L0000145    , L0000146    , L0000147    ,
L0000148    , L0000149    ,

  ALL        PAREA1      , L0000001    , L0000002    , L0000003    ,
L0000004    , L0000005    , L0000006    , L0000007    ,

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN


                                          *** SOURCE IDs DEFINING
SOURCE GROUPS ***

 SRCGROUP ID                                                SOURCE IDs
 -----------                                                ----------


             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    ,
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             L0000064    , L0000065    , L0000066    , L0000067    ,
L0000068    , L0000069    , L0000070    , L0000071    ,

             L0000072    , L0000073    , L0000074    , L0000075    ,
L0000076    , L0000077    , L0000078    , L0000079    ,

             L0000080    , L0000081    , L0000082    , L0000083    ,
L0000084    , L0000085    , L0000086    , L0000087    ,

             L0000088    , L0000089    , L0000090    , L0000091    ,
L0000092    , L0000093    , L0000094    , L0000095    ,

             L0000096    , L0000097    , L0000098    , L0000099    ,
L0000100    , L0000101    , L0000102    , L0000103    ,

             L0000104    , L0000105    , L0000106    , L0000107    ,
L0000108    , L0000109    , L0000110    , L0000111    ,

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L0000116    , L0000117    , L0000118    , L0000119    ,

             L0000120    , L0000121    , L0000122    , L0000123    ,
L0000124    , L0000125    , L0000126    , L0000127    ,

             L0000128    , L0000129    , L0000130    , L0000131    ,
L0000132    , L0000133    , L0000134    , L0000135    ,

             L0000136    , L0000137    , L0000138    , L0000139    ,
L0000140    , L0000141    , L0000142    , L0000143    ,

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L0000148    , L0000149    ,

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN


                                          *** SOURCE IDs DEFINED AS
URBAN SOURCES ***

  URBAN ID   URBAN POP                                    SOURCE IDs
  --------   ---------                                    ----------
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```
                10000.   PAREA1      , 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    ,

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L0000068    , L0000069    , L0000070    , L0000071    ,

             L0000072    , L0000073    , L0000074    , L0000075    ,
L0000076    , L0000077    , L0000078    , L0000079    ,

             L0000080    , L0000081    , L0000082    , L0000083    ,
L0000084    , L0000085    , L0000086    , L0000087    ,

             L0000088    , L0000089    , L0000090    , L0000091    ,
L0000092    , L0000093    , L0000094    , L0000095    ,

             L0000096    , L0000097    , L0000098    , L0000099    ,
L0000100    , L0000101    , L0000102    , L0000103    ,

             L0000104    , L0000105    , L0000106    , L0000107    ,
L0000108    , L0000109    , L0000110    , L0000111    ,

             L0000112    , L0000113    , L0000114    , L0000115    ,
L0000116    , L0000117    , L0000118    , L0000119    ,

             L0000120    , L0000121    , L0000122    , L0000123    ,
L0000124    , L0000125    , L0000126    , L0000127    ,

             L0000128    , L0000129    , L0000130    , L0000131    ,
L0000132    , L0000133    , L0000134    , L0000135    ,
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             L0000136    , L0000137    , L0000138    , L0000139    ,
L0000140    , L0000141    , L0000142    , L0000143    ,

             L0000144    , L0000145    , L0000146    , L0000147    ,
L0000148    , L0000149    ,

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
```

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        14:42:25
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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***        14:42:25
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
```


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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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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                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
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***        14:42:25
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                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        14:42:25
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000022     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        14:42:25
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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
- - - -

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
```

```
                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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*** MODELOPTs: RegDFAULT CONC ELEV 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
- - - -

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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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```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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***        14:42:25
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                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        14:42:25
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                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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***        14:42:25
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                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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***        14:42:25
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                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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***        14:42:25
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```
                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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* 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
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	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 18081 *** ***
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*** AERMET - VERSION 14134 *** ***
*** 14:42:25

* 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
DAY OF WEEK = WEEKDAY													

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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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                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        14:42:25
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                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000074     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000075     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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***        14:42:25
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                    * 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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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* 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
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	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 18081 *** ***
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*** AERMET - VERSION 14134 *** ***
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* 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
DAY OF WEEK = WEEKDAY													

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000083     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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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                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000084     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000085     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
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***        14:42:25
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000086     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000087     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000088     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000089     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000090     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000091     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000092     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
```

```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000093     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
```



```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000094     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000095     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000096     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000097     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000098     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000099     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000100     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000101     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
```



```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000102     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000103     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000104     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000105     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000106     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000107     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000108     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000109     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
```


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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000110     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000111     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000112     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000113     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000114     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000115     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000116     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000117     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
```



```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000118     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000119     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000120     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000121     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000122     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000123     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000124     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000125     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000126     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000127     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000128     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
```

```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000129     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000130     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000131     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000132     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000133     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000134     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000135     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000136     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000137     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000138     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
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***        06/13/18
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***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000139     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000140     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000141     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000142     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000143     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
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***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000144     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000145     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
```



```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000146     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000147     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000148     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000149     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
```


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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                          *** GRIDDED RECEPTOR NETWORK
SUMMARY ***

                                     *** NETWORK ID: UCART1   ;  NETWORK
TYPE: GRIDCART ***

                                            *** X-COORDINATES OF GRID
***
                                                   (METERS)
```

523636.9, 523666.9, 523696.9, 523726.9, 523756.9, 523786.9, 523816.9, 523846.9, 523876.9, 523906.9,

*** Y-COORDINATES OF GRID ***
(METERS)

4250537.8, 4250562.8, 4250587.8, 4250612.8, 4250637.8, 4250662.8, 4250687.8, 4250712.8, 4250737.8, 4250762.8,
4250787.8, 4250812.8, 4250837.8, 4250862.8, 4250887.8,

*** AERMOD - VERSION 18081 *** ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
*** 06/13/18
*** AERMET - VERSION 14134 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 523636.91	523666.91	523696.91	523726.91	523756.91	523786.91	523816.91	523846.91	523876.91
4250887.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250862.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250837.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250812.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250787.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250762.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250737.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250712.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00

```
  4250687.79 |         34.00        34.00        34.00        34.00
34.00        34.00        34.00        34.00        34.00
  4250662.79 |         34.00        34.00        34.00        34.00
34.00        34.00        34.00        34.00        34.00
  4250637.79 |         34.00        34.00        34.00        34.00
34.00        34.00        34.00        34.00        34.00
  4250612.79 |         33.90        34.00        34.00        34.00
34.00        34.00        34.00        34.00        34.00
  4250587.79 |         33.80        34.00        34.00        34.00
34.00        34.00        34.00        34.00        34.00
  4250562.79 |         33.80        34.00        34.00        34.00
34.00        34.00        34.00        34.00        34.00
  4250537.79 |         33.80        34.00        34.00        34.00
34.00        34.00        34.00        34.00        34.00

 *** AERMOD - VERSION  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                  *** NETWORK ID: UCART1   ;  NETWORK
TYPE: GRIDCART ***

                                                 * ELEVATION HEIGHTS IN
METERS *

    Y-COORD  |                                                X-COORD
(METERS)
    (METERS) |     523906.91
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  4250887.79 |         34.00
  4250862.79 |         34.00
  4250837.79 |         34.00
  4250812.79 |         34.00
  4250787.79 |         34.00
  4250762.79 |         34.00
  4250737.79 |         34.00
  4250712.79 |         34.00
  4250687.79 |         34.00
  4250662.79 |         34.00
  4250637.79 |         34.00
  4250612.79 |         34.00
  4250587.79 |         34.00
  4250562.79 |         34.00
  4250537.79 |         34.00
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 523636.91	523666.91	523696.91	523726.91	523756.91	523786.91	523816.91	523846.91	523876.91
4250887.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250862.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250837.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250812.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250787.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250762.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250737.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250712.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250687.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250662.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250637.79	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250612.79	33.90	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250587.79	33.80	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250562.79	33.80	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00
4250537.79	33.80	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

```
    Y-COORD  |                                                X-COORD (METERS)
    (METERS) |     523906.91
 - - -
```

*** X-COORDINATES OF GRID ***
(METERS)

523509.7, 523534.7, 523559.7, 523584.7, 523609.7,

*** Y-COORDINATES OF GRID ***
(METERS)

4250089.4, 4250118.8, 4250148.1, 4250177.5, 4250206.8, 4250236.2, 4250265.5, 4250294.9, 4250324.2, 4250353.6,
4250382.9, 4250412.3,

*** AERMOD - VERSION 18081 *** ***
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*** 06/13/18
*** AERMET - VERSION 14134 *** ***
*** 14:42:25

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** NETWORK ID: UCART2 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 523509.67	523534.67	523559.67	523584.67	523609.67
4250412.27	32.50	32.90	33.00	33.00	33.00
4250382.92	32.00	32.30	32.90	33.00	33.00
4250353.57	32.00	32.00	32.20	32.90	33.00
4250324.22	32.00	32.00	32.00	32.00	32.80
4250294.87	32.00	32.00	32.00	32.00	32.00
4250265.52	32.00	32.00	32.00	32.00	32.00
4250236.17	32.00	32.00	32.00	32.00	32.00

```
  4250206.82 |         32.00        32.00        32.00        32.00
32.00
  4250177.47 |         32.00        32.00        32.00        32.00
32.00
  4250148.12 |         32.00        32.00        32.00        32.00
32.00
  4250118.77 |         32.00        32.00        32.00        32.00
32.00
  4250089.42 |         32.00        32.00        32.00        32.00
32.00

 *** AERMOD - VERSION  18081 ***   ***
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***        06/13/18
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                  *** NETWORK ID: UCART2   ;  NETWORK
TYPE: GRIDCART ***

                                                 * HILL HEIGHT SCALES
IN METERS *

    Y-COORD  |                                                X-COORD
(METERS)
    (METERS) |     523509.67    523534.67    523559.67    523584.67
523609.67
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  4250412.27 |         32.50        32.90        33.00        33.00
33.00
  4250382.92 |         32.00        32.30        32.90        33.00
33.00
  4250353.57 |         32.00        32.00        32.20        32.90
33.00
  4250324.22 |         32.00        32.00        32.00        32.00
32.80
  4250294.87 |         32.00        32.00        32.00        32.00
32.00
  4250265.52 |         32.00        32.00        32.00        32.00
32.00
  4250236.17 |         32.00        32.00        32.00        32.00
32.00
  4250206.82 |         32.00        32.00        32.00        32.00
32.00
  4250177.47 |         32.00        32.00        32.00        32.00
32.00
```

```
  4250148.12 |         32.00        32.00        32.00        32.00
32.00
  4250118.77 |         32.00        32.00        32.00        32.00
32.00
  4250089.42 |         32.00        32.00        32.00        32.00
32.00

 *** AERMOD - VERSION  18081 ***   ***
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PAGE 168
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                        *** GRIDDED RECEPTOR NETWORK
SUMMARY ***

                                   *** NETWORK ID: UCART3   ;  NETWORK
TYPE: GRIDCART ***

                                          *** X-COORDINATES OF GRID
***
                                                     (METERS)

       524362.6,  524392.6,  524422.6,  524452.6,  524482.6,  524512.6,
524542.6,  524572.6,

                                          *** Y-COORDINATES OF GRID
***
                                                     (METERS)

      4250217.0, 4250247.0, 4250277.0, 4250307.0, 4250337.0, 4250367.0,
4250397.0, 4250427.0,

 *** AERMOD - VERSION  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
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PAGE 169
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                   *** NETWORK ID: UCART3   ;  NETWORK
TYPE: GRIDCART ***

                                                 * ELEVATION HEIGHTS IN
METERS *
```

```
    Y-COORD  |                                                  X-COORD
(METERS)
    (METERS) |     524362.59    524392.59    524422.59    524452.59
524482.59    524512.59    524542.59    524572.59
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  4250426.99 |         34.00        34.00        34.00        34.00
34.00        34.00        34.30        34.30
  4250396.99 |         34.00        34.00        34.00        34.00
34.00        34.00        34.00        34.00
  4250366.99 |         34.00        34.00        34.00        34.00
34.00        34.00        34.00        34.00
  4250336.99 |         34.00        34.00        34.00        34.00
34.00        34.00        34.00        34.00
  4250306.99 |         34.00        34.00        34.00        34.00
34.00        34.00        34.00        34.00
  4250276.99 |         34.00        34.00        34.00        34.00
34.00        34.00        34.00        34.00
  4250246.99 |         34.00        34.00        34.00        34.00
34.00        34.00        34.00        34.00
  4250216.99 |         34.00        34.00        34.00        34.00
34.00        34.00        34.00        34.00

 *** AERMOD - VERSION  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
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PAGE 170
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                                   *** NETWORK ID: UCART3   ;  NETWORK
TYPE: GRIDCART ***

                                                 * HILL HEIGHT SCALES
IN METERS *

    Y-COORD  |                                                  X-COORD
(METERS)
    (METERS) |     524362.59    524392.59    524422.59    524452.59
524482.59    524512.59    524542.59    524572.59
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  4250426.99 |        412.00       412.00       422.00       426.00
427.00       427.00       427.00       427.00
  4250396.99 |        412.00       412.00       422.00       426.00
427.00       427.00       427.00       427.00
  4250366.99 |        412.00       412.00       422.00       426.00
427.00       427.00       427.00       427.00
```

```
  4250336.99 |        412.00       412.00       422.00       426.00
427.00       427.00       427.00       427.00
  4250306.99 |        412.00       412.00       422.00       426.00
427.00       427.00       427.00       427.00
  4250276.99 |        412.00       412.00       422.00       426.00
427.00       427.00       427.00       427.00
  4250246.99 |        412.00       412.00       422.00       426.00
427.00       427.00       427.00       427.00
  4250216.99 |        412.00       412.00       422.00       426.00
427.00       427.00       427.00       427.00

 *** AERMOD - VERSION  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
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PAGE 171
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

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

     ( 523809.4, 4250184.5,      33.0,      33.0,       0.0);
( 523881.4, 4250124.0,      32.9,      32.9,       0.0);
     ( 523911.0, 4250152.3,      33.0,      33.0,       0.0);
( 523915.4, 4250108.2,      33.0,      33.0,       0.0);
     ( 523838.3, 4250054.3,      32.0,      32.0,       0.0);
( 523782.4, 4250074.0,      32.0,      32.0,       0.0);
     ( 523821.3, 4250060.5,      32.0,      32.0,       0.0);
( 523817.1, 4250050.0,      32.0,      32.0,       0.0);
     ( 523826.2, 4250035.4,      32.0,      32.0,       0.0);
( 523832.6, 4250406.0,      34.0,      34.0,       0.0);
     ( 523819.9, 4250413.6,      34.0,      34.0,       0.0);
( 523801.8, 4250394.4,      34.0,      34.0,       0.0);
     ( 523792.6, 4250395.0,      34.0,      34.0,       0.0);
( 523784.4, 4250395.2,      34.0,      34.0,       0.0);
     ( 523776.5, 4250394.7,      34.0,      34.0,       0.0);
( 523754.8, 4250410.4,      33.9,      33.9,       0.0);
     ( 523723.5, 4250416.9,      33.7,      33.7,       0.0);
( 523758.5, 4250374.8,      33.5,      33.5,       0.0);
     ( 523783.8, 4250363.4,      33.2,      33.2,       0.0);
( 523841.3, 4250385.2,      34.0,      34.0,       0.0);
     ( 523774.5, 4250012.6,      32.0,      32.0,       0.0);
( 523773.8, 4249990.0,      32.0,      32.0,       0.0);
     ( 523884.8, 4250011.1,      32.0,      32.0,       0.0);
( 523893.2, 4249976.5,      32.0,      32.0,       0.0);
     ( 523905.2, 4249991.1,      32.0,      32.0,       0.0);
( 523934.4, 4250012.6,      32.0,      32.0,       0.0);
```

```
     ( 523934.0, 4250001.0,      32.0,      32.0,       0.0);
( 523909.6, 4249948.1,      32.0,      32.0,       0.0);
     ( 523951.5, 4249949.2,      32.0,      32.0,       0.0);
( 523877.6, 4249920.8,      32.0,      32.0,       0.0);
     ( 523906.7, 4249910.3,      32.0,      32.0,       0.0);
( 523837.5, 4249876.9,      32.0,      32.0,       0.0);
     ( 523823.8, 4249867.4,      32.0,      32.0,       0.0);
( 523815.9, 4249847.3,      32.0,      32.0,       0.0);
     ( 524591.4, 4250418.6,      34.6,     427.0,       0.0);
( 524601.4, 4250417.6,      34.9,     427.0,       0.0);
     ( 524603.0, 4250398.5,      34.4,     427.0,       0.0);

 *** AERMOD - VERSION  18081 ***   ***
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***        06/13/18
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***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1

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



                                     *** UPPER BOUND OF FIRST THROUGH
FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)
```

```
                                                    1.54,   3.09,   5.14,
8.23,  10.80,

 *** AERMOD - VERSION  18081 ***   ***
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 *** AERMET - VERSION  14134 ***   ***
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PAGE 173
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: AREA     ***
                                   INCLUDING SOURCE(S):
PAREA1      , 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    ,  . . .      ,

                                    *** NETWORK ID: UCART1   ;  NETWORK
TYPE: GRIDCART ***

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

    Y-COORD  |                                                  X-COORD
(METERS)
    (METERS) |     523636.91    523666.91    523696.91    523726.91
523756.91    523786.91    523816.91    523846.91    523876.91
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  4250887.79 |       0.00083      0.00089      0.00094      0.00099
0.00103      0.00108      0.00112      0.00117      0.00122
  4250862.79 |       0.00088      0.00094      0.00100      0.00106
0.00111      0.00116      0.00121      0.00127      0.00132
  4250837.79 |       0.00094      0.00100      0.00107      0.00114
0.00120      0.00126      0.00132      0.00138      0.00144
  4250812.79 |       0.00099      0.00107      0.00115      0.00123
0.00130      0.00137      0.00143      0.00150      0.00157
  4250787.79 |       0.00105      0.00115      0.00124      0.00132
0.00141      0.00149      0.00156      0.00164      0.00172
  4250762.79 |       0.00112      0.00122      0.00133      0.00143
0.00153      0.00162      0.00171      0.00181      0.00189
  4250737.79 |       0.00119      0.00131      0.00143      0.00155
0.00167      0.00178      0.00189      0.00199      0.00209
  4250712.79 |       0.00126      0.00140      0.00155      0.00169
0.00183      0.00196      0.00209      0.00221      0.00233
  4250687.79 |       0.00133      0.00150      0.00167      0.00184
0.00201      0.00217      0.00232      0.00246      0.00260
  4250662.79 |       0.00140      0.00160      0.00180      0.00201
0.00221      0.00240      0.00259      0.00276      0.00292
  4250637.79 |       0.00147      0.00171      0.00195      0.00219
0.00244      0.00268      0.00290      0.00312      0.00331
  4250612.79 |       0.00154      0.00181      0.00210      0.00240
0.00270      0.00300      0.00328      0.00355      0.00378
  4250587.79 |       0.00161      0.00192      0.00226      0.00263
0.00300      0.00337      0.00373      0.00406      0.00435
  4250562.79 |       0.00166      0.00202      0.00243      0.00287
0.00334      0.00381      0.00427      0.00469      0.00506
  4250537.79 |       0.00171      0.00211      0.00259      0.00314
0.00373      0.00433      0.00492      0.00548      0.00595

 *** AERMOD - VERSION  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES
AVERAGED OVER 5 YEARS FOR SOURCE GROUP: AREA ***
INCLUDING SOURCE(S):
PAREA1 , 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 , . . . ,

*** NETWORK ID: UCART1 ; NETWORK
TYPE: GRIDCART ***

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

Y-COORD | X-COORD
(METERS)
(METERS) | 523906.91
- -
- -

4250887.79	0.00125
4250862.79	0.00136
4250837.79	0.00148
4250812.79	0.00161
4250787.79	0.00177
4250762.79	0.00195
4250737.79	0.00216
4250712.79	0.00240
4250687.79	0.00268
4250662.79	0.00302
4250637.79	0.00342
4250612.79	0.00391
4250587.79	0.00451
4250562.79	0.00525
4250537.79	0.00618

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: AREA     ***
                                  INCLUDING SOURCE(S):
PAREA1      , 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    ,  . . .      ,

                                  *** NETWORK ID: UCART2   ;  NETWORK
TYPE: GRIDCART ***

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

    Y-COORD  |                                                  X-COORD
(METERS)
    (METERS) |     523509.67    523534.67    523559.67    523584.67
523609.67
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  4250412.27 |       0.00046      0.00058      0.00073      0.00093
0.00119
  4250382.92 |       0.00039      0.00049      0.00062      0.00079
0.00103
  4250353.57 |       0.00034      0.00041      0.00051      0.00066
0.00086
  4250324.22 |       0.00030      0.00036      0.00044      0.00055
0.00071
  4250294.87 |       0.00028      0.00033      0.00039      0.00048
0.00059
  4250265.52 |       0.00027      0.00031      0.00036      0.00043
0.00053
  4250236.17 |       0.00026      0.00030      0.00035      0.00040
0.00048
  4250206.82 |       0.00025      0.00028      0.00032      0.00037
0.00044
  4250177.47 |       0.00023      0.00025      0.00029      0.00033
0.00039
  4250148.12 |       0.00020      0.00023      0.00026      0.00029
0.00034
  4250118.77 |       0.00018      0.00020      0.00023      0.00027
0.00031
  4250089.42 |       0.00017      0.00019      0.00022      0.00026
0.00031
```

```
 *** AERMOD - VERSION  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

PAGE 177
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: AREA     ***
                                  INCLUDING SOURCE(S):
PAREA1      , 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    ,  . . .      ,

                                  *** NETWORK ID: UCART3   ;  NETWORK
TYPE: GRIDCART ***

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

    Y-COORD  |                                                X-COORD
(METERS)
    (METERS) |     524362.59    524392.59    524422.59    524452.59
524482.59    524512.59    524542.59    524572.59
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  4250426.99 |       0.00093      0.00083      0.00073      0.00066
0.00059      0.00053      0.00048      0.00043
  4250396.99 |       0.00084      0.00073      0.00065      0.00057
0.00051      0.00046      0.00041      0.00038
  4250366.99 |       0.00080      0.00070      0.00061      0.00054
0.00048      0.00043      0.00039      0.00035
  4250336.99 |       0.00076      0.00066      0.00058      0.00051
0.00045      0.00040      0.00036      0.00033
  4250306.99 |       0.00071      0.00062      0.00054      0.00048
0.00042      0.00038      0.00034      0.00031
  4250276.99 |       0.00066      0.00057      0.00050      0.00045
0.00040      0.00036      0.00032      0.00029
  4250246.99 |       0.00061      0.00053      0.00047      0.00042
0.00037      0.00033      0.00030      0.00027
  4250216.99 |       0.00056      0.00049      0.00044      0.00039
0.00035      0.00031      0.00028      0.00026
```

```
 *** AERMOD - VERSION  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

PAGE 178
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: AREA     ***
                                  INCLUDING SOURCE(S):
PAREA1      , 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    ,  . . .      ,

                                              *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         523809.36    4250184.50        0.00475
523881.44    4250124.04        0.02406
         523911.05    4250152.33        0.05152
523915.39    4250108.22        0.02760
         523838.29    4250054.30        0.00438
523782.36    4250073.95        0.00203
         523821.34    4250060.51        0.00350
523817.15    4250050.05        0.00311
         523826.22    4250035.40        0.00326
523832.57    4250406.00        0.01381
         523819.94    4250413.63        0.01161
523801.79    4250394.42        0.01103
         523792.58    4250394.95        0.00987
523784.43    4250395.21        0.00894
         523776.54    4250394.69        0.00813
523754.75    4250410.41        0.00597
         523723.49    4250416.91        0.00413
523758.46    4250374.82        0.00672
         523783.84    4250363.37        0.01001
523841.26    4250385.24        0.01817
         523774.52    4250012.60        0.00155
523773.79    4249990.02        0.00144
```

```
         523884.85    4250011.14        0.00561
523893.22    4249976.55        0.00450
         523905.24    4249991.11        0.00564
523934.37    4250012.60        0.00836
         523934.01    4250000.95        0.00744
523909.61    4249948.15        0.00407
         523951.48    4249949.24        0.00510
523877.57    4249920.84        0.00266
         523906.70    4249910.28        0.00305
523837.51    4249876.86        0.00156
         523823.80    4249867.44        0.00136
523815.91    4249847.33        0.00119
         524591.36    4250418.65        0.00039
524601.44    4250417.65        0.00037
         524602.95    4250398.49        0.00034

 *** AERMOD - VERSION  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

PAGE 179
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):
PAREA1      , 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    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK
TYPE: GRIDCART ***

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

    Y-COORD  |                                                X-COORD
(METERS)
    (METERS) |     523636.91    523666.91    523696.91    523726.91
523756.91    523786.91    523816.91    523846.91    523876.91
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  4250887.79 |       0.00083      0.00089      0.00094      0.00099
0.00103      0.00108      0.00112      0.00117      0.00122
```

```
  4250862.79 |       0.00088      0.00094      0.00100      0.00106
0.00111      0.00116      0.00121      0.00127      0.00132
  4250837.79 |       0.00094      0.00100      0.00107      0.00114
0.00120      0.00126      0.00132      0.00138      0.00144
  4250812.79 |       0.00099      0.00107      0.00115      0.00123
0.00130      0.00137      0.00143      0.00150      0.00157
  4250787.79 |       0.00105      0.00115      0.00124      0.00132
0.00141      0.00149      0.00156      0.00164      0.00172
  4250762.79 |       0.00112      0.00122      0.00133      0.00143
0.00153      0.00162      0.00171      0.00181      0.00189
  4250737.79 |       0.00119      0.00131      0.00143      0.00155
0.00167      0.00178      0.00189      0.00199      0.00209
  4250712.79 |       0.00126      0.00140      0.00155      0.00169
0.00183      0.00196      0.00209      0.00221      0.00233
  4250687.79 |       0.00133      0.00150      0.00167      0.00184
0.00201      0.00217      0.00232      0.00246      0.00260
  4250662.79 |       0.00140      0.00160      0.00180      0.00201
0.00221      0.00240      0.00259      0.00276      0.00292
  4250637.79 |       0.00147      0.00171      0.00195      0.00219
0.00244      0.00268      0.00290      0.00312      0.00331
  4250612.79 |       0.00154      0.00181      0.00210      0.00240
0.00270      0.00300      0.00328      0.00355      0.00378
  4250587.79 |       0.00161      0.00192      0.00226      0.00263
0.00300      0.00337      0.00373      0.00406      0.00435
  4250562.79 |       0.00166      0.00202      0.00243      0.00287
0.00334      0.00381      0.00427      0.00469      0.00506
  4250537.79 |       0.00171      0.00211      0.00259      0.00314
0.00373      0.00433      0.00492      0.00548      0.00595

 *** AERMOD - VERSION  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

PAGE 180
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):
PAREA1      , 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    ,  . . .      ,

                                  *** NETWORK ID: UCART1   ;  NETWORK
TYPE: GRIDCART ***
```

```
                                        ** CONC OF DPM      IN
MICROGRAMS/M**3                          **

    Y-COORD  |                                                X-COORD
(METERS)
    (METERS) |     523906.91
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  4250887.79 |       0.00125
  4250862.79 |       0.00136
  4250837.79 |       0.00148
  4250812.79 |       0.00161
  4250787.79 |       0.00177
  4250762.79 |       0.00195
  4250737.79 |       0.00216
  4250712.79 |       0.00240
  4250687.79 |       0.00268
  4250662.79 |       0.00302
  4250637.79 |       0.00342
  4250612.79 |       0.00391
  4250587.79 |       0.00451
  4250562.79 |       0.00525
  4250537.79 |       0.00618

 *** AERMOD - VERSION  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

PAGE 181
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):
PAREA1      , 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    ,  . . .      ,

                                     *** NETWORK ID: UCART2   ;  NETWORK
TYPE: GRIDCART ***

                                        ** CONC OF DPM      IN
MICROGRAMS/M**3                          **
```

```
    Y-COORD  |                                                X-COORD
(METERS)
    (METERS) |     523509.67    523534.67    523559.67    523584.67
523609.67
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  4250412.27 |       0.00046      0.00058      0.00073      0.00093
0.00119
  4250382.92 |       0.00039      0.00049      0.00062      0.00079
0.00103
  4250353.57 |       0.00034      0.00041      0.00051      0.00066
0.00086
  4250324.22 |       0.00030      0.00036      0.00044      0.00055
0.00071
  4250294.87 |       0.00028      0.00033      0.00039      0.00048
0.00059
  4250265.52 |       0.00027      0.00031      0.00036      0.00043
0.00053
  4250236.17 |       0.00026      0.00030      0.00035      0.00040
0.00048
  4250206.82 |       0.00025      0.00028      0.00032      0.00037
0.00044
  4250177.47 |       0.00023      0.00025      0.00029      0.00033
0.00039
  4250148.12 |       0.00020      0.00023      0.00026      0.00029
0.00034
  4250118.77 |       0.00018      0.00020      0.00023      0.00027
0.00031
  4250089.42 |       0.00017      0.00019      0.00022      0.00026
0.00031

 *** AERMOD - VERSION  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

PAGE 182
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):
PAREA1      , 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    ,  . . .      ,
```

```
                                    *** NETWORK ID: UCART3   ;  NETWORK
TYPE: GRIDCART ***

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

    Y-COORD  |                                                 X-COORD
(METERS)
    (METERS) |     524362.59    524392.59    524422.59    524452.59
524482.59    524512.59    524542.59    524572.59
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  4250426.99 |       0.00093      0.00083      0.00073      0.00066
0.00059      0.00053      0.00048      0.00043
  4250396.99 |       0.00084      0.00073      0.00065      0.00057
0.00051      0.00046      0.00041      0.00038
  4250366.99 |       0.00080      0.00070      0.00061      0.00054
0.00048      0.00043      0.00039      0.00035
  4250336.99 |       0.00076      0.00066      0.00058      0.00051
0.00045      0.00040      0.00036      0.00033
  4250306.99 |       0.00071      0.00062      0.00054      0.00048
0.00042      0.00038      0.00034      0.00031
  4250276.99 |       0.00066      0.00057      0.00050      0.00045
0.00040      0.00036      0.00032      0.00029
  4250246.99 |       0.00061      0.00053      0.00047      0.00042
0.00037      0.00033      0.00030      0.00027
  4250216.99 |       0.00056      0.00049      0.00044      0.00039
0.00035      0.00031      0.00028      0.00026

 *** AERMOD - VERSION  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

PAGE 183
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):
PAREA1      , 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    ,  . . .      ,

                                                 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         523809.36    4250184.50        0.00475
523881.44    4250124.04        0.02406
         523911.05    4250152.33        0.05152
523915.39    4250108.22        0.02760
         523838.29    4250054.30        0.00438
523782.36    4250073.95        0.00203
         523821.34    4250060.51        0.00350
523817.15    4250050.05        0.00311
         523826.22    4250035.40        0.00326
523832.57    4250406.00        0.01381
         523819.94    4250413.63        0.01161
523801.79    4250394.42        0.01103
         523792.58    4250394.95        0.00987
523784.43    4250395.21        0.00894
         523776.54    4250394.69        0.00813
523754.75    4250410.41        0.00597
         523723.49    4250416.91        0.00413
523758.46    4250374.82        0.00672
         523783.84    4250363.37        0.01001
523841.26    4250385.24        0.01817
         523774.52    4250012.60        0.00155
523773.79    4249990.02        0.00144
         523884.85    4250011.14        0.00561
523893.22    4249976.55        0.00450
         523905.24    4249991.11        0.00564
523934.37    4250012.60        0.00836
         523934.01    4250000.95        0.00744
523909.61    4249948.15        0.00407
         523951.48    4249949.24        0.00510
523877.57    4249920.84        0.00266
         523906.70    4249910.28        0.00305
523837.51    4249876.86        0.00156
         523823.80    4249867.44        0.00136
523815.91    4249847.33        0.00119
         524591.36    4250418.65        0.00039
524601.44    4250417.65        0.00037
         524602.95    4250398.49        0.00034

 *** AERMOD - VERSION  18081 ***   ***
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***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25
```

*** MODELOPTs: RegDFAULT CONC ELEV 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -

AREA      1ST HIGHEST VALUE IS       0.05152 AT (  523911.05,
4250152.33,    33.00,    33.00,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02760 AT (  523915.39,
4250108.22,    33.00,    33.00,    0.00)  DC
          3RD HIGHEST VALUE IS       0.02406 AT (  523881.44,
4250124.04,    32.94,    32.94,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01817 AT (  523841.26,
4250385.24,    33.98,    33.98,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01381 AT (  523832.57,
4250406.00,    34.00,    34.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01161 AT (  523819.94,
4250413.63,    34.00,    34.00,    0.00)  DC
          7TH HIGHEST VALUE IS       0.01103 AT (  523801.79,
4250394.42,    34.00,    34.00,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01001 AT (  523783.84,
4250363.37,    33.23,    33.23,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00987 AT (  523792.58,
4250394.95,    34.00,    34.00,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00894 AT (  523784.43,
4250395.21,    34.00,    34.00,    0.00)  DC

ALL       1ST HIGHEST VALUE IS       0.05152 AT (  523911.05,
4250152.33,    33.00,    33.00,    0.00)  DC
          2ND HIGHEST VALUE IS       0.02760 AT (  523915.39,
4250108.22,    33.00,    33.00,    0.00)  DC
          3RD HIGHEST VALUE IS       0.02406 AT (  523881.44,
4250124.04,    32.94,    32.94,    0.00)  DC
          4TH HIGHEST VALUE IS       0.01817 AT (  523841.26,
4250385.24,    33.98,    33.98,    0.00)  DC
          5TH HIGHEST VALUE IS       0.01381 AT (  523832.57,
4250406.00,    34.00,    34.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.01161 AT (  523819.94,
4250413.63,    34.00,    34.00,    0.00)  DC
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          7TH HIGHEST VALUE IS       0.01103 AT (  523801.79,
4250394.42,    34.00,    34.00,    0.00)  DC
          8TH HIGHEST VALUE IS       0.01001 AT (  523783.84,
4250363.37,    33.23,    33.23,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00987 AT (  523792.58,
4250394.95,    34.00,    34.00,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00894 AT (  523784.43,
4250395.21,    34.00,    34.00,    0.00)  DC


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

 *** AERMOD - VERSION  18081 ***   ***
C:\Users\xli\Desktop\5129_00013192juniperaveproject\construction HRA
***        06/13/18
 *** AERMET - VERSION  14134 ***   ***
***        14:42:25

PAGE 185
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of        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   ********
 CO W320      22       URBOPT: Input Parameter May Be Out-of-Range for
Parameter       URB-POP
 MX W481   43873         MAIN: Data Remaining After End of Year.
Number of Hours=           48

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

CLIMATE ACTION PLAN

CITY OF SANTA ROSA

Adopted June 5, 2012

City of
Santa Rosa
Community Development

APPENDIX E –
NEW DEVELOPMENT CHECKLIST

City of Santa Rosa
Community Development

APPENDIX E: CAP NEW DEVELOPMENT CHECKLIST

To ensure new development projects are compliant with the City's Climate Action Plan, the following checklist has been developed. This checklist should be filled out for each new project, subject to discretionary review, to allow new development to find a less than significant impact for greenhouse gas emissions in the environmental review process.

#	Description	Compliance			
		Complies	Does Not Comply	N/A	See Discussion
1.1.1	Comply with CALGreen Tier 1 standards*	X			
1.1.3	After 2020, all new development will utilize zero net electricity*			X	
1.3.1	Install real-time energy monitors to track energy use*	X			
1.4.2	Comply with the City's tree preservation ordinance*	X			
1.4.3	Provide public & private trees in compliance with the Zoning Code*	X			
1.5	Install new sidewalks and paving with high solar reflectivity materials*			X	
2.1.3	Pre-wire and pre-plumb for solar thermal or PV systems	X			
3.1.2	Support implementation of station plans and corridor plans			X	
3.2.1	Provide on-site services such as ATMs or dry cleaning to site users			X	
3.2.2	Improve non-vehicular network to promote walking, biking			X	
3.2.3	Support mixed-use, higher-density development near services			X	
3.3.1	Provide affordable housing near transit			X	
3.5.1	Unbundle parking from property cost			X	
3.6.1	Install calming features to improve ped/bike experience			X	
4.1.1	Implement the Bicycle and Pedestrian Master Plan			X	
4.1.2	Install bicycle parking consistent with regulations*	X			
4.1.3	Provide bicycle safety training to residents, employees, motorists			X	
4.2.2	Provide safe spaces to wait for bus arrival			X	

#	Description	Compliance			
		Complies	Does Not Comply	N/A	See Discussion
4.3.2	Work with large employers to provide rideshare programs			X	
4.3.3	Consider expanding employee programs promoting transit use			X	
4.3.4	Provide awards for employee use of alternative commute options			X	
4.3.5	Encourage new employers of 50+ to provide subsidized transit passes*			X	
4.3.7	Provide space for additional park-and-ride lots			X	
4.5.1	Include facilities for employees that promote telecommuting			X	
5.1.2	Install electric vehicle charging equipment			X	
5.2.1	Provide alternative fuels at new refueling stations*			X	
6.1.3	Increase diversion of construction waste*	X			
7.1.1	Reduce potable water use for outdoor landscaping*	X			
7.1.3	Use water meters which track real-time water use*	X			
7.3.2	Meet on-site meter separation requirements in locations with current or future recycled water capabilities*			X	
8.1.3	Establish community gardens and urban farms			X	
9.1.2	Provide outdoor electrical outlets for charging lawn equipment	X			
9.1.3	Install low water use landscapes*	X			
9.2.1	Minimize construction equipment idling time to 5 minutes or less*	X			
9.2.2	Maintain construction equipment per manufacturer's specs*	X			
9.2.3	Limit GHG construction equipment emissions by using electrified equipment or alternative fuels*			X	

**To be in compliance with the CAP, all measures denoted with an asterisk are required in all new development projects unless otherwise specified. If a project cannot meet one or more of the mandatory requirements, substitutions may be made from other measures listed at the discretion of the Community Development Director.*

DISCUSSION (PLEASE LIST POLICY #)

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APPENDIX F –
WORKS CITED

City of Santa Rosa
Community Development

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APPENDIX F: WORKS CITED

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