

**Appendix A:
Air Quality Analysis**

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Library	59.25	1000sqft	5.63	59,252.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	56
Climate Zone	4			Operational Year	2021
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

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Project Characteristics -

Land Use - 2 story library; Approximately 5.63 acres disturbed based on Noll & Tam Architects

Construction Phase - Based on information provided by the applicant

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Based on Traffic Impact Assessment for Solano Community College District's New Library Building prepared by KD Anderson & Associates, Inc. and ITE Trip Generation Manual, 10th Edition for ITE Code 540

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	395.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	11.00
tblGrading	AcresOfGrading	5.50	10.00
tblLandUse	LandUseSquareFeet	59,250.00	59,252.00
tblLandUse	LotAcreage	1.36	5.63
tblVehicleTrips	ST_TR	46.55	0.56
tblVehicleTrips	SU_TR	25.49	0.56
tblVehicleTrips	WD_TR	56.24	0.56

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2.0 Emissions Summary

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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	0.1122	1.1096	0.7104	1.2700e-003	0.1487	0.0582	0.2069	0.0758	0.0541	0.1299	0.0000	113.5921	113.5921	0.0293	0.0000	114.3253
2020	0.2954	2.6711	2.3311	4.1600e-003	0.0346	0.1473	0.1819	9.4100e-003	0.1385	0.1479	0.0000	362.7490	362.7490	0.0765	0.0000	364.6621
2021	0.5580	2.3861	2.0150	3.6800e-003	0.0473	0.1200	0.1672	9.8800e-003	0.1119	0.1218	0.0000	322.5683	322.5683	0.0777	0.0000	324.5096
Maximum	0.5580	2.6711	2.3311	4.1600e-003	0.1487	0.1473	0.2069	0.0758	0.1385	0.1479	0.0000	362.7490	362.7490	0.0777	0.0000	364.6621

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	0.1122	1.1096	0.7104	1.2700e-003	0.0621	0.0582	0.1202	0.0307	0.0541	0.0848	0.0000	113.5920	113.5920	0.0293	0.0000	114.3251
2020	0.2954	2.6711	2.3311	4.1600e-003	0.0346	0.1473	0.1819	9.4100e-003	0.1385	0.1479	0.0000	362.7486	362.7486	0.0765	0.0000	364.6617
2021	0.5580	2.3861	2.0150	3.6800e-003	0.0324	0.1200	0.1524	7.6300e-003	0.1119	0.1196	0.0000	322.5680	322.5680	0.0777	0.0000	324.5093
Maximum	0.5580	2.6711	2.3311	4.1600e-003	0.0621	0.1473	0.1819	0.0307	0.1385	0.1479	0.0000	362.7486	362.7486	0.0777	0.0000	364.6617

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	44.03	0.00	18.26	49.84	0.00	11.87	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	10-21-2019	1-20-2020	1.3540	1.3540
2	1-21-2020	4-20-2020	0.7363	0.7363
3	4-21-2020	7-20-2020	0.7354	0.7354
4	7-21-2020	10-20-2020	0.7437	0.7437
5	10-21-2020	1-20-2021	0.7295	0.7295
6	1-21-2021	4-20-2021	0.6604	0.6604
7	4-21-2021	7-20-2021	0.8970	0.8970
8	7-21-2021	9-30-2021	0.9133	0.9133
		Highest	1.3540	1.3540

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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	0.2624	1.0000e-005	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003
Energy	8.4300e-003	0.0766	0.0644	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	225.7896	225.7896	8.0400e-003	2.8600e-003	226.8431
Mobile	9.0000e-003	0.0500	0.0836	2.9000e-004	0.0210	2.6000e-004	0.0213	5.6400e-003	2.4000e-004	5.8800e-003	0.0000	26.7091	26.7091	1.3800e-003	0.0000	26.7435
Waste						0.0000	0.0000		0.0000	0.0000	11.0752	0.0000	11.0752	0.6545	0.0000	27.4383
Water						0.0000	0.0000		0.0000	0.0000	0.5882	5.8706	6.4587	0.0607	1.4800e-003	8.4170
Total	0.2798	0.1267	0.1485	7.5000e-004	0.0210	6.0800e-003	0.0271	5.6400e-003	6.0600e-003	0.0117	11.6633	258.3703	270.0337	0.7246	4.3400e-003	289.4431

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2624	1.0000e-005	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003
Energy	8.4300e-003	0.0766	0.0644	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	225.7896	225.7896	8.0400e-003	2.8600e-003	226.8431
Mobile	9.0000e-003	0.0500	0.0836	2.9000e-004	0.0210	2.6000e-004	0.0213	5.6400e-003	2.4000e-004	5.8800e-003	0.0000	26.7091	26.7091	1.3800e-003	0.0000	26.7435
Waste						0.0000	0.0000		0.0000	0.0000	11.0752	0.0000	11.0752	0.6545	0.0000	27.4383
Water						0.0000	0.0000		0.0000	0.0000	0.5882	5.8706	6.4587	0.0607	1.4800e-003	8.4170
Total	0.2798	0.1267	0.1485	7.5000e-004	0.0210	6.0800e-003	0.0271	5.6400e-003	6.0600e-003	0.0117	11.6633	258.3703	270.0337	0.7246	4.3400e-003	289.4431

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition (Old Portable Buildings) & Revise Underground Utilities	Demolition	10/21/2019	11/19/2019	5	22	
2	Site Preparation/Tree Removal	Site Preparation	10/21/2019	11/4/2019	5	11	
3	Grading	Grading	11/5/2019	11/19/2019	5	11	
4	Building Construction	Building Construction	11/25/2019	5/28/2021	5	395	
5	Architectural Coating	Architectural Coating	5/1/2021	5/28/2021	5	20	
6	Demolition (B100 Old Library)	Demolition	6/28/2021	10/1/2021	5	70	
7	Paving/Site Improvements (Area of B100 Demo)	Paving	10/4/2021	11/26/2021	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 88,878; Non-Residential Outdoor: 29,626; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation/Tree Removal	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation/Tree Removal	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Demolition (Old Portable Buildings) & Revise Underground Utilities	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition (Old Portable Buildings) & Revise Underground Utilities	Excavators	3	8.00	158	0.38
Demolition (Old Portable Buildings) & Revise Underground Utilities	Rubber Tired Dozers	2	8.00	247	0.40
Paving/Site Improvements (Area of B100 Demo)	Pavers	2	8.00	130	0.42
Paving/Site Improvements (Area of B100 Demo)	Paving Equipment	2	8.00	132	0.36
Paving/Site Improvements (Area of B100 Demo)	Rollers	2	8.00	80	0.38
Demolition (B100 Old Library)	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition (B100 Old Library)	Excavators	3	8.00	158	0.38
Demolition (B100 Old Library)	Rubber Tired Dozers	2	8.00	247	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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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/Tree Removal	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	25.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition (Old Portable Buildings) & Paving/Site Improvements (Area C)	6	15.00	0.00	39.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition (B100 Old Library)	6	15.00	0.00	226.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition (Old Portable Buildings) & Revise Underground Utilities - 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					4.2500e-003	0.0000	4.2500e-003	6.4000e-004	0.0000	6.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0387	0.3936	0.2427	4.3000e-004		0.0197	0.0197		0.0184	0.0184	0.0000	38.0890	38.0890	0.0106	0.0000	38.3539
Total	0.0387	0.3936	0.2427	4.3000e-004	4.2500e-003	0.0197	0.0240	6.4000e-004	0.0184	0.0190	0.0000	38.0890	38.0890	0.0106	0.0000	38.3539

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3.2 Demolition (Old Portable Buildings) & Revise Underground Utilities - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-004	5.7900e-003	9.8000e-004	2.0000e-005	3.3000e-004	2.0000e-005	3.5000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.5118	1.5118	6.0000e-005	0.0000	1.5134
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	6.6000e-004	4.8000e-004	4.6500e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.2310	1.2310	3.0000e-005	0.0000	1.2318
Total	8.3000e-004	6.2700e-003	5.6300e-003	3.0000e-005	1.6400e-003	3.0000e-005	1.6700e-003	4.4000e-004	3.0000e-005	4.7000e-004	0.0000	2.7428	2.7428	9.0000e-005	0.0000	2.7452

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					1.6600e-003	0.0000	1.6600e-003	2.5000e-004	0.0000	2.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0387	0.3936	0.2427	4.3000e-004		0.0197	0.0197		0.0184	0.0184	0.0000	38.0889	38.0889	0.0106	0.0000	38.3538
Total	0.0387	0.3936	0.2427	4.3000e-004	1.6600e-003	0.0197	0.0214	2.5000e-004	0.0184	0.0186	0.0000	38.0889	38.0889	0.0106	0.0000	38.3538

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3.2 Demolition (Old Portable Buildings) & Revise Underground Utilities - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-004	5.7900e-003	9.8000e-004	2.0000e-005	3.3000e-004	2.0000e-005	3.5000e-004	9.0000e-005	2.0000e-005	1.1000e-004	0.0000	1.5118	1.5118	6.0000e-005	0.0000	1.5134
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	6.6000e-004	4.8000e-004	4.6500e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.2310	1.2310	3.0000e-005	0.0000	1.2318
Total	8.3000e-004	6.2700e-003	5.6300e-003	3.0000e-005	1.6400e-003	3.0000e-005	1.6700e-003	4.4000e-004	3.0000e-005	4.7000e-004	0.0000	2.7428	2.7428	9.0000e-005	0.0000	2.7452

3.3 Site Preparation/Tree Removal - 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					0.0994	0.0000	0.0994	0.0546	0.0000	0.0546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0238	0.2507	0.1214	2.1000e-004		0.0132	0.0132		0.0121	0.0121	0.0000	18.7928	18.7928	5.9500e-003	0.0000	18.9414
Total	0.0238	0.2507	0.1214	2.1000e-004	0.0994	0.0132	0.1125	0.0546	0.0121	0.0667	0.0000	18.7928	18.7928	5.9500e-003	0.0000	18.9414

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3.3 Site Preparation/Tree Removal - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.9000e-004	2.7900e-003	1.0000e-005	7.9000e-004	1.0000e-005	7.9000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	0.7386	0.7386	2.0000e-005	0.0000	0.7391
Total	3.9000e-004	2.9000e-004	2.7900e-003	1.0000e-005	7.9000e-004	1.0000e-005	7.9000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	0.7386	0.7386	2.0000e-005	0.0000	0.7391

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0388	0.0000	0.0388	0.0213	0.0000	0.0213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0238	0.2507	0.1214	2.1000e-004		0.0132	0.0132		0.0121	0.0121	0.0000	18.7928	18.7928	5.9500e-003	0.0000	18.9414
Total	0.0238	0.2507	0.1214	2.1000e-004	0.0388	0.0132	0.0519	0.0213	0.0121	0.0334	0.0000	18.7928	18.7928	5.9500e-003	0.0000	18.9414

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3.3 Site Preparation/Tree Removal - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.9000e-004	2.7900e-003	1.0000e-005	7.9000e-004	1.0000e-005	7.9000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	0.7386	0.7386	2.0000e-005	0.0000	0.7391
Total	3.9000e-004	2.9000e-004	2.7900e-003	1.0000e-005	7.9000e-004	1.0000e-005	7.9000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	0.7386	0.7386	2.0000e-005	0.0000	0.7391

3.4 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					0.0384	0.0000	0.0384	0.0188	0.0000	0.0188	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0142	0.1559	0.0896	1.6000e-004		7.6900e-003	7.6900e-003		7.0700e-003	7.0700e-003	0.0000	14.6532	14.6532	4.6400e-003	0.0000	14.7692
Total	0.0142	0.1559	0.0896	1.6000e-004	0.0384	7.6900e-003	0.0461	0.0188	7.0700e-003	0.0259	0.0000	14.6532	14.6532	4.6400e-003	0.0000	14.7692

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3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.3200e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.6155	0.6155	2.0000e-005	0.0000	0.6159
Total	3.3000e-004	2.4000e-004	2.3200e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.6155	0.6155	2.0000e-005	0.0000	0.6159

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0150	0.0000	0.0150	7.3200e-003	0.0000	7.3200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0142	0.1559	0.0896	1.6000e-004		7.6900e-003	7.6900e-003		7.0700e-003	7.0700e-003	0.0000	14.6532	14.6532	4.6400e-003	0.0000	14.7691
Total	0.0142	0.1559	0.0896	1.6000e-004	0.0150	7.6900e-003	0.0227	7.3200e-003	7.0700e-003	0.0144	0.0000	14.6532	14.6532	4.6400e-003	0.0000	14.7691

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3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.3200e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.6155	0.6155	2.0000e-005	0.0000	0.6159
Total	3.3000e-004	2.4000e-004	2.3200e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.6155	0.6155	2.0000e-005	0.0000	0.6159

3.5 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	0.0319	0.2846	0.2317	3.6000e-004		0.0174	0.0174		0.0164	0.0164	0.0000	31.7391	31.7391	7.7300e-003	0.0000	31.9324
Total	0.0319	0.2846	0.2317	3.6000e-004		0.0174	0.0174		0.0164	0.0164	0.0000	31.7391	31.7391	7.7300e-003	0.0000	31.9324

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3.5 Building Construction - 2019

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	7.3000e-004	0.0171	4.8500e-003	4.0000e-005	8.9000e-004	1.3000e-004	1.0200e-003	2.6000e-004	1.2000e-004	3.8000e-004	0.0000	3.7033	3.7033	2.1000e-004	0.0000	3.7086
Worker	1.3400e-003	9.8000e-004	9.5000e-003	3.0000e-005	2.6800e-003	2.0000e-005	2.7000e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.5179	2.5179	7.0000e-005	0.0000	2.5196
Total	2.0700e-003	0.0180	0.0144	7.0000e-005	3.5700e-003	1.5000e-004	3.7200e-003	9.7000e-004	1.4000e-004	1.1100e-003	0.0000	6.2212	6.2212	2.8000e-004	0.0000	6.2283

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	0.0319	0.2846	0.2317	3.6000e-004		0.0174	0.0174		0.0164	0.0164	0.0000	31.7390	31.7390	7.7300e-003	0.0000	31.9323
Total	0.0319	0.2846	0.2317	3.6000e-004		0.0174	0.0174		0.0164	0.0164	0.0000	31.7390	31.7390	7.7300e-003	0.0000	31.9323

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3.5 Building Construction - 2019

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	7.3000e-004	0.0171	4.8500e-003	4.0000e-005	8.9000e-004	1.3000e-004	1.0200e-003	2.6000e-004	1.2000e-004	3.8000e-004	0.0000	3.7033	3.7033	2.1000e-004	0.0000	3.7086
Worker	1.3400e-003	9.8000e-004	9.5000e-003	3.0000e-005	2.6800e-003	2.0000e-005	2.7000e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.5179	2.5179	7.0000e-005	0.0000	2.5196
Total	2.0700e-003	0.0180	0.0144	7.0000e-005	3.5700e-003	1.5000e-004	3.7200e-003	9.7000e-004	1.4000e-004	1.1100e-003	0.0000	6.2212	6.2212	2.8000e-004	0.0000	6.2283

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596

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3.5 Building Construction - 2020

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	5.8300e-003	0.1494	0.0416	3.8000e-004	8.6400e-003	7.8000e-004	9.4200e-003	2.5000e-003	7.5000e-004	3.2500e-003	0.0000	35.6831	35.6831	1.9100e-003	0.0000	35.7309
Worker	0.0119	8.3700e-003	0.0824	2.6000e-004	0.0260	1.8000e-004	0.0262	6.9200e-003	1.7000e-004	7.0800e-003	0.0000	23.6568	23.6568	5.9000e-004	0.0000	23.6716
Total	0.0177	0.1577	0.1239	6.4000e-004	0.0347	9.6000e-004	0.0356	9.4200e-003	9.2000e-004	0.0103	0.0000	59.3399	59.3399	2.5000e-003	0.0000	59.4025

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	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592

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3.5 Building Construction - 2020

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	5.8300e-003	0.1494	0.0416	3.8000e-004	8.6400e-003	7.8000e-004	9.4200e-003	2.5000e-003	7.5000e-004	3.2500e-003	0.0000	35.6831	35.6831	1.9100e-003	0.0000	35.7309
Worker	0.0119	8.3700e-003	0.0824	2.6000e-004	0.0260	1.8000e-004	0.0262	6.9200e-003	1.7000e-004	7.0800e-003	0.0000	23.6568	23.6568	5.9000e-004	0.0000	23.6716
Total	0.0177	0.1577	0.1239	6.4000e-004	0.0347	9.6000e-004	0.0356	9.4200e-003	9.2000e-004	0.0103	0.0000	59.3399	59.3399	2.5000e-003	0.0000	59.4025

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1008	0.9239	0.8785	1.4300e-003		0.0508	0.0508		0.0478	0.0478	0.0000	122.7678	122.7678	0.0296	0.0000	123.5082
Total	0.1008	0.9239	0.8785	1.4300e-003		0.0508	0.0508		0.0478	0.0478	0.0000	122.7678	122.7678	0.0296	0.0000	123.5082

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3.5 Building Construction - 2021

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	1.9600e-003	0.0544	0.0149	1.5000e-004	3.4900e-003	1.3000e-004	3.6300e-003	1.0100e-003	1.3000e-004	1.1400e-003	0.0000	14.3055	14.3055	7.3000e-004	0.0000	14.3237
Worker	4.4600e-003	3.0200e-003	0.0303	1.0000e-004	0.0105	7.0000e-005	0.0106	2.8000e-003	7.0000e-005	2.8600e-003	0.0000	9.2327	9.2327	2.1000e-004	0.0000	9.2381
Total	6.4200e-003	0.0574	0.0452	2.5000e-004	0.0140	2.0000e-004	0.0142	3.8100e-003	2.0000e-004	4.0000e-003	0.0000	23.5382	23.5382	9.4000e-004	0.0000	23.5618

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	0.1008	0.9239	0.8785	1.4300e-003		0.0508	0.0508		0.0478	0.0478	0.0000	122.7676	122.7676	0.0296	0.0000	123.5081
Total	0.1008	0.9239	0.8785	1.4300e-003		0.0508	0.0508		0.0478	0.0478	0.0000	122.7676	122.7676	0.0296	0.0000	123.5081

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3.5 Building Construction - 2021

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	1.9600e-003	0.0544	0.0149	1.5000e-004	3.4900e-003	1.3000e-004	3.6300e-003	1.0100e-003	1.3000e-004	1.1400e-003	0.0000	14.3055	14.3055	7.3000e-004	0.0000	14.3237
Worker	4.4600e-003	3.0200e-003	0.0303	1.0000e-004	0.0105	7.0000e-005	0.0106	2.8000e-003	7.0000e-005	2.8600e-003	0.0000	9.2327	9.2327	2.1000e-004	0.0000	9.2381
Total	6.4200e-003	0.0574	0.0452	2.5000e-004	0.0140	2.0000e-004	0.0142	3.8100e-003	2.0000e-004	4.0000e-003	0.0000	23.5382	23.5382	9.4000e-004	0.0000	23.5618

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3090					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.3112	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

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3.6 Architectural Coating - 2021

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	1.7000e-004	1.1000e-004	1.1400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3484	0.3484	1.0000e-005	0.0000	0.3486
Total	1.7000e-004	1.1000e-004	1.1400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3484	0.3484	1.0000e-005	0.0000	0.3486

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	0.3090					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.3112	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

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3.6 Architectural Coating - 2021

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	1.7000e-004	1.1000e-004	1.1400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3484	0.3484	1.0000e-005	0.0000	0.3486
Total	1.7000e-004	1.1000e-004	1.1400e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3484	0.3484	1.0000e-005	0.0000	0.3486

3.7 Demolition (B100 Old Library) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0244	0.0000	0.0244	3.7000e-003	0.0000	3.7000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1108	1.1004	0.7548	1.3600e-003		0.0543	0.0543		0.0504	0.0504	0.0000	119.0028	119.0028	0.0335	0.0000	119.8401
Total	0.1108	1.1004	0.7548	1.3600e-003	0.0244	0.0543	0.0787	3.7000e-003	0.0504	0.0541	0.0000	119.0028	119.0028	0.0335	0.0000	119.8401

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3.7 Demolition (B100 Old Library) - 2021

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	8.7000e-004	0.0287	5.1800e-003	9.0000e-005	1.9200e-003	9.0000e-005	2.0200e-003	5.3000e-004	9.0000e-005	6.2000e-004	0.0000	8.5623	8.5623	3.3000e-004	0.0000	8.5705
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	1.7700e-003	1.2000e-003	0.0120	4.0000e-005	4.1700e-003	3.0000e-005	4.2000e-003	1.1100e-003	3.0000e-005	1.1300e-003	0.0000	3.6583	3.6583	8.0000e-005	0.0000	3.6604
Total	2.6400e-003	0.0299	0.0172	1.3000e-004	6.0900e-003	1.2000e-004	6.2200e-003	1.6400e-003	1.2000e-004	1.7500e-003	0.0000	12.2206	12.2206	4.1000e-004	0.0000	12.2309

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					9.5200e-003	0.0000	9.5200e-003	1.4400e-003	0.0000	1.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1108	1.1004	0.7548	1.3600e-003		0.0543	0.0543		0.0504	0.0504	0.0000	119.0026	119.0026	0.0335	0.0000	119.8400
Total	0.1108	1.1004	0.7548	1.3600e-003	9.5200e-003	0.0543	0.0638	1.4400e-003	0.0504	0.0519	0.0000	119.0026	119.0026	0.0335	0.0000	119.8400

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3.7 Demolition (B100 Old Library) - 2021

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	8.7000e-004	0.0287	5.1800e-003	9.0000e-005	1.9200e-003	9.0000e-005	2.0200e-003	5.3000e-004	9.0000e-005	6.2000e-004	0.0000	8.5623	8.5623	3.3000e-004	0.0000	8.5705
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	1.7700e-003	1.2000e-003	0.0120	4.0000e-005	4.1700e-003	3.0000e-005	4.2000e-003	1.1100e-003	3.0000e-005	1.1300e-003	0.0000	3.6583	3.6583	8.0000e-005	0.0000	3.6604
Total	2.6400e-003	0.0299	0.0172	1.3000e-004	6.0900e-003	1.2000e-004	6.2200e-003	1.6400e-003	1.2000e-004	1.7500e-003	0.0000	12.2206	12.2206	4.1000e-004	0.0000	12.2309

3.8 Paving/Site Improvements (Area of B100 Demo) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0251	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0470	40.0470	0.0130	0.0000	40.3708
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0251	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0470	40.0470	0.0130	0.0000	40.3708

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3.8 Paving/Site Improvements (Area of B100 Demo) - 2021

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	1.0100e-003	6.8000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.4000e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0904	2.0904	5.0000e-005	0.0000	2.0916
Total	1.0100e-003	6.8000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.4000e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0904	2.0904	5.0000e-005	0.0000	2.0916

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	0.0251	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0469	40.0469	0.0130	0.0000	40.3707
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0251	0.2584	0.2931	4.6000e-004		0.0136	0.0136		0.0125	0.0125	0.0000	40.0469	40.0469	0.0130	0.0000	40.3707

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3.8 Paving/Site Improvements (Area of B100 Demo) - 2021

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	1.0100e-003	6.8000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.4000e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0904	2.0904	5.0000e-005	0.0000	2.0916
Total	1.0100e-003	6.8000e-004	6.8700e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.4000e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0904	2.0904	5.0000e-005	0.0000	2.0916

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive 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	9.0000e-003	0.0500	0.0836	2.9000e-004	0.0210	2.6000e-004	0.0213	5.6400e-003	2.4000e-004	5.8800e-003	0.0000	26.7091	26.7091	1.3800e-003	0.0000	26.7435
Unmitigated	9.0000e-003	0.0500	0.0836	2.9000e-004	0.0210	2.6000e-004	0.0213	5.6400e-003	2.4000e-004	5.8800e-003	0.0000	26.7091	26.7091	1.3800e-003	0.0000	26.7435

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Library	33.18	33.18	33.18	56,235	56,235
Total	33.18	33.18	33.18	56,235	56,235

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Library	9.50	7.30	7.30	52.00	43.00	5.00	44	44	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Library	0.584264	0.036754	0.174658	0.112986	0.019233	0.005457	0.009466	0.043414	0.003239	0.002257	0.006611	0.000609	0.001053

5.0 Energy Detail

Historical Energy Use: N

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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	142.3783	142.3783	6.4400e-003	1.3300e-003	142.9362
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	142.3783	142.3783	6.4400e-003	1.3300e-003	142.9362
NaturalGas Mitigated	8.4300e-003	0.0766	0.0644	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	83.4113	83.4113	1.6000e-003	1.5300e-003	83.9069
NaturalGas Unmitigated	8.4300e-003	0.0766	0.0644	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	83.4113	83.4113	1.6000e-003	1.5300e-003	83.9069

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					
Library	1.56307e+006	8.4300e-003	0.0766	0.0644	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	83.4113	83.4113	1.6000e-003	1.5300e-003	83.9069
Total		8.4300e-003	0.0766	0.0644	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	83.4113	83.4113	1.6000e-003	1.5300e-003	83.9069

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Library	1.56307e+006	8.4300e-003	0.0766	0.0644	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	83.4113	83.4113	1.6000e-003	1.5300e-003	83.9069
Total		8.4300e-003	0.0766	0.0644	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	83.4113	83.4113	1.6000e-003	1.5300e-003	83.9069

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Library	489422	142.3783	6.4400e-003	1.3300e-003	142.9362
Total		142.3783	6.4400e-003	1.3300e-003	142.9362

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Library	489422	142.3783	6.4400e-003	1.3300e-003	142.9362
Total		142.3783	6.4400e-003	1.3300e-003	142.9362

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	0.2624	1.0000e-005	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003
Unmitigated	0.2624	1.0000e-005	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003

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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	0.0309					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003
Total	0.2624	1.0000e-005	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003

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	0.0309					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2314					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003
Total	0.2624	1.0000e-005	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003

7.0 Water Detail

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7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	6.4587	0.0607	1.4800e-003	8.4170
Unmitigated	6.4587	0.0607	1.4800e-003	8.4170

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Library	1.85387 / 2.89964	6.4587	0.0607	1.4800e-003	8.4170
Total		6.4587	0.0607	1.4800e-003	8.4170

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Library	1.85387 / 2.89964	6.4587	0.0607	1.4800e-003	8.4170
Total		6.4587	0.0607	1.4800e-003	8.4170

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	11.0752	0.6545	0.0000	27.4383
Unmitigated	11.0752	0.6545	0.0000	27.4383

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Library	54.56	11.0752	0.6545	0.0000	27.4383
Total		11.0752	0.6545	0.0000	27.4383

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Library	54.56	11.0752	0.6545	0.0000	27.4383
Total		11.0752	0.6545	0.0000	27.4383

9.0 Operational Offroad

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

Equipment Type	Number
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11.0 Vegetation

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Solano-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Library	59.25	1000sqft	5.63	59,252.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	56
Climate Zone	4			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

Project Characteristics -

Land Use - 2 story library; Approximately 5.63 acres disturbed based on Noll & Tam Architects

Construction Phase - Based on information provided by the applicant

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Based on Traffic Impact Assessment for Solano Community College District's New Library Building prepared by KD Anderson & Associates, Inc. and ITE Trip Generation Manual, 10th Edition for ITE Code 540

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	395.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	11.00
tblGrading	AcresOfGrading	5.50	10.00
tblLandUse	LandUseSquareFeet	59,250.00	59,252.00
tblLandUse	LotAcreage	1.36	5.63
tblVehicleTrips	ST_TR	46.55	0.56
tblVehicleTrips	SU_TR	25.49	0.56
tblVehicleTrips	WD_TR	56.24	0.56

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2.0 Emissions Summary

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

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	8.0056	81.9538	45.2325	0.0812	18.7551	4.1892	22.9443	10.0697	3.8725	13.9422	0.0000	8,030.153 4	8,030.153 4	2.2676	0.0000	8,086.842 2
2020	2.2615	20.3660	17.8404	0.0320	0.2732	1.1244	1.3975	0.0740	1.0573	1.1313	0.0000	3,072.979 7	3,072.979 7	0.6436	0.0000	3,089.069 5
2021	33.1610	32.2736	22.0870	0.0427	0.8773	1.5548	2.4321	0.1538	1.4444	1.5982	0.0000	4,144.951 6	4,144.951 6	1.0677	0.0000	4,171.643 9
Maximum	33.1610	81.9538	45.2325	0.0812	18.7551	4.1892	22.9443	10.0697	3.8725	13.9422	0.0000	8,030.153 4	8,030.153 4	2.2676	0.0000	8,086.842 2

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	8.0056	81.9538	45.2325	0.0812	7.4988	4.1892	11.6880	3.9762	3.8725	7.8487	0.0000	8,030.153 3	8,030.153 3	2.2676	0.0000	8,086.842 2
2020	2.2615	20.3660	17.8404	0.0320	0.2732	1.1244	1.3975	0.0740	1.0573	1.1313	0.0000	3,072.979 7	3,072.979 7	0.6436	0.0000	3,089.069 5
2021	33.1610	32.2736	22.0870	0.0427	0.4518	1.5548	2.0066	0.0894	1.4444	1.5338	0.0000	4,144.951 6	4,144.951 6	1.0677	0.0000	4,171.643 9
Maximum	33.1610	81.9538	45.2325	0.0812	7.4988	4.1892	11.6880	3.9762	3.8725	7.8487	0.0000	8,030.153 3	8,030.153 3	2.2676	0.0000	8,086.842 2

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	58.69	0.00	43.63	59.80	0.00	36.94	0.00	0.00	0.00	0.00	0.00	0.00

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

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	1.4379	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138
Energy	0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030
Mobile	0.0584	0.2694	0.4687	1.6900e-003	0.1194	1.4200e-003	0.1209	0.0319	1.3300e-003	0.0333		171.6092	171.6092	8.2200e-003		171.8148
Total	1.5424	0.6893	0.8274	4.2100e-003	0.1194	0.0334	0.1528	0.0319	0.0333	0.0652		675.4313	675.4313	0.0179	9.2400e-003	678.6316

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	1.4379	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138
Energy	0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030
Mobile	0.0584	0.2694	0.4687	1.6900e-003	0.1194	1.4200e-003	0.1209	0.0319	1.3300e-003	0.0333		171.6092	171.6092	8.2200e-003		171.8148
Total	1.5424	0.6893	0.8274	4.2100e-003	0.1194	0.0334	0.1528	0.0319	0.0333	0.0652		675.4313	675.4313	0.0179	9.2400e-003	678.6316

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition (Old Portable Buildings) & Revise Underground Utilities	Demolition	10/21/2019	11/19/2019	5	22	
2	Site Preparation/Tree Removal	Site Preparation	10/21/2019	11/4/2019	5	11	
3	Grading	Grading	11/5/2019	11/19/2019	5	11	
4	Building Construction	Building Construction	11/25/2019	5/28/2021	5	395	
5	Architectural Coating	Architectural Coating	5/1/2021	5/28/2021	5	20	
6	Demolition (B100 Old Library)	Demolition	6/28/2021	10/1/2021	5	70	
7	Paving/Site Improvements (Area of B100 Demo)	Paving	10/4/2021	11/26/2021	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 88,878; Non-Residential Outdoor: 29,626; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation/Tree Removal	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation/Tree Removal	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Demolition (Old Portable Buildings) & Revise Underground Utilities	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition (Old Portable Buildings) & Revise Underground Utilities	Excavators	3	8.00	158	0.38
Demolition (Old Portable Buildings) & Revise Underground Utilities	Rubber Tired Dozers	2	8.00	247	0.40
Paving/Site Improvements (Area of B100 Demo)	Pavers	2	8.00	130	0.42
Paving/Site Improvements (Area of B100 Demo)	Paving Equipment	2	8.00	132	0.36
Paving/Site Improvements (Area of B100 Demo)	Rollers	2	8.00	80	0.38
Demolition (B100 Old Library)	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition (B100 Old Library)	Excavators	3	8.00	158	0.38
Demolition (B100 Old Library)	Rubber Tired Dozers	2	8.00	247	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

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/Tree Removal	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	25.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition (Old Portable Buildings) & Paving/Site Improvements (Area C)	6	15.00	0.00	39.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition (B100 Old Library)	6	15.00	0.00	226.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition (Old Portable Buildings) & Revise Underground Utilities - 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					0.3867	0.0000	0.3867	0.0586	0.0000	0.0586			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	0.3867	1.7949	2.1816	0.0586	1.6697	1.7282		3,816.8994	3,816.8994	1.0618		3,843.4451

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.2 Demolition (Old Portable Buildings) & Revise Underground Utilities - 2019

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	0.0157	0.5132	0.0845	1.4500e-003	0.0311	2.0800e-003	0.0331	8.5200e-003	1.9900e-003	0.0105		152.9141	152.9141	5.9400e-003		153.0627
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	0.0644	0.0386	0.4659	1.3400e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		133.5850	133.5850	3.6900e-003		133.6772
Total	0.0800	0.5518	0.5504	2.7900e-003	0.1543	2.9300e-003	0.1572	0.0412	2.7700e-003	0.0440		286.4991	286.4991	9.6300e-003		286.7399

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					0.1508	0.0000	0.1508	0.0228	0.0000	0.0228			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	0.1508	1.7949	1.9457	0.0228	1.6697	1.6925	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.2 Demolition (Old Portable Buildings) & Revise Underground Utilities - 2019

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	0.0157	0.5132	0.0845	1.4500e-003	0.0311	2.0800e-003	0.0331	8.5200e-003	1.9900e-003	0.0105		152.9141	152.9141	5.9400e-003		153.0627
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	0.0644	0.0386	0.4659	1.3400e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		133.5850	133.5850	3.6900e-003		133.6772
Total	0.0800	0.5518	0.5504	2.7900e-003	0.1543	2.9300e-003	0.1572	0.0412	2.7700e-003	0.0440		286.4991	286.4991	9.6300e-003		286.7399

3.3 Site Preparation/Tree Removal - 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298		3,766.4529	3,766.4529	1.1917		3,796.2445

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.3 Site Preparation/Tree Removal - 2019

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	0.0772	0.0463	0.5590	1.6100e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		160.3020	160.3020	4.4300e-003		160.4127
Total	0.0772	0.0463	0.5590	1.6100e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		160.3020	160.3020	4.4300e-003		160.4127

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	7.0458	2.3904	9.4362	3.8730	2.1991	6.0721	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

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3.3 Site Preparation/Tree Removal - 2019

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	0.0772	0.0463	0.5590	1.6100e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		160.3020	160.3020	4.4300e-003		160.4127
Total	0.0772	0.0463	0.5590	1.6100e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		160.3020	160.3020	4.4300e-003		160.4127

3.4 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					6.9862	0.0000	6.9862	3.4143	0.0000	3.4143			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856		2,936.8068	2,936.8068	0.9292		2,960.0361
Total	2.5805	28.3480	16.2934	0.0297	6.9862	1.3974	8.3835	3.4143	1.2856	4.6999		2,936.8068	2,936.8068	0.9292		2,960.0361

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3.4 Grading - 2019

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	0.0644	0.0386	0.4659	1.3400e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		133.5850	133.5850	3.6900e-003		133.6772
Total	0.0644	0.0386	0.4659	1.3400e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		133.5850	133.5850	3.6900e-003		133.6772

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					2.7246	0.0000	2.7246	1.3316	0.0000	1.3316			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361
Total	2.5805	28.3480	16.2934	0.0297	2.7246	1.3974	4.1220	1.3316	1.2856	2.6172	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361

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3.4 Grading - 2019

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	0.0644	0.0386	0.4659	1.3400e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		133.5850	133.5850	3.6900e-003		133.6772
Total	0.0644	0.0386	0.4659	1.3400e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		133.5850	133.5850	3.6900e-003		133.6772

3.5 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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

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3.5 Building Construction - 2019

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	0.0532	1.2423	0.3368	2.9300e-003	0.0678	9.2900e-003	0.0771	0.0195	8.8900e-003	0.0284		306.4501	306.4501	0.0167		306.8673
Worker	0.1073	0.0643	0.7764	2.2300e-003	0.2054	1.4200e-003	0.2068	0.0545	1.3100e-003	0.0558		222.6417	222.6417	6.1500e-003		222.7954
Total	0.1604	1.3066	1.1132	5.1600e-003	0.2732	0.0107	0.2839	0.0740	0.0102	0.0842		529.0918	529.0918	0.0228		529.6627

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.5 Building Construction - 2019

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	0.0532	1.2423	0.3368	2.9300e-003	0.0678	9.2900e-003	0.0771	0.0195	8.8900e-003	0.0284		306.4501	306.4501	0.0167		306.8673
Worker	0.1073	0.0643	0.7764	2.2300e-003	0.2054	1.4200e-003	0.2068	0.0545	1.3100e-003	0.0558		222.6417	222.6417	6.1500e-003		222.7954
Total	0.1604	1.3066	1.1132	5.1600e-003	0.2732	0.0107	0.2839	0.0740	0.0102	0.0842		529.0918	529.0918	0.0228		529.6627

3.5 Building Construction - 2020

Unmitigated Construction On-Site

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

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.5 Building Construction - 2020

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	0.0436	1.1231	0.2960	2.9100e-003	0.0678	5.9200e-003	0.0737	0.0195	5.6600e-003	0.0252		304.3358	304.3358	0.0153		304.7194
Worker	0.0981	0.0569	0.6958	2.1600e-003	0.2054	1.3900e-003	0.2068	0.0545	1.2800e-003	0.0558		215.5808	215.5808	5.3900e-003		215.7157
Total	0.1416	1.1800	0.9919	5.0700e-003	0.2732	7.3100e-003	0.2805	0.0740	6.9400e-003	0.0809		519.9166	519.9166	0.0207		520.4351

Mitigated Construction On-Site

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

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.5 Building Construction - 2020

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	0.0436	1.1231	0.2960	2.9100e-003	0.0678	5.9200e-003	0.0737	0.0195	5.6600e-003	0.0252		304.3358	304.3358	0.0153		304.7194
Worker	0.0981	0.0569	0.6958	2.1600e-003	0.2054	1.3900e-003	0.2068	0.0545	1.2800e-003	0.0558		215.5808	215.5808	5.3900e-003		215.7157
Total	0.1416	1.1800	0.9919	5.0700e-003	0.2732	7.3100e-003	0.2805	0.0740	6.9400e-003	0.0809		519.9166	519.9166	0.0207		520.4351

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.5 Building Construction - 2021

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	0.0361	1.0132	0.2615	2.8800e-003	0.0678	2.4800e-003	0.0703	0.0195	2.3700e-003	0.0219		301.5791	301.5791	0.0144		301.9400
Worker	0.0907	0.0507	0.6348	2.0900e-003	0.2054	1.3400e-003	0.2067	0.0545	1.2400e-003	0.0557		207.9582	207.9582	4.8300e-003		208.0789
Total	0.1268	1.0639	0.8963	4.9700e-003	0.2732	3.8200e-003	0.2770	0.0740	3.6100e-003	0.0776		509.5373	509.5373	0.0193		510.0188

Mitigated Construction On-Site

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

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.5 Building Construction - 2021

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	0.0361	1.0132	0.2615	2.8800e-003	0.0678	2.4800e-003	0.0703	0.0195	2.3700e-003	0.0219		301.5791	301.5791	0.0144		301.9400
Worker	0.0907	0.0507	0.6348	2.0900e-003	0.2054	1.3400e-003	0.2067	0.0545	1.2400e-003	0.0557		207.9582	207.9582	4.8300e-003		208.0789
Total	0.1268	1.0639	0.8963	4.9700e-003	0.2732	3.8200e-003	0.2770	0.0740	3.6100e-003	0.0776		509.5373	509.5373	0.0193		510.0188

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.8962					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	31.1151	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.6 Architectural Coating - 2021

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	0.0181	0.0102	0.1270	4.2000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		41.5916	41.5916	9.7000e-004		41.6158
Total	0.0181	0.0102	0.1270	4.2000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		41.5916	41.5916	9.7000e-004		41.6158

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	30.8962					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	31.1151	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.6 Architectural Coating - 2021

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	0.0181	0.0102	0.1270	4.2000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		41.5916	41.5916	9.7000e-004		41.6158
Total	0.0181	0.0102	0.1270	4.2000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		41.5916	41.5916	9.7000e-004		41.6158

3.7 Demolition (B100 Old Library) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6975	0.0000	0.6975	0.1056	0.0000	0.1056			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.6975	1.5513	2.2488	0.1056	1.4411	1.5467		3,747.9449	3,747.9449	1.0549		3,774.3174

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.7 Demolition (B100 Old Library) - 2021

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	0.0246	0.8025	0.1412	2.5900e-003	0.0566	2.6800e-003	0.0592	0.0155	2.5600e-003	0.0181		272.2317	272.2317	9.9000e-003		272.4792
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	0.0544	0.0304	0.3809	1.2500e-003	0.1232	8.1000e-004	0.1240	0.0327	7.4000e-004	0.0334		124.7749	124.7749	2.9000e-003		124.8473
Total	0.0790	0.8330	0.5220	3.8400e-003	0.1798	3.4900e-003	0.1833	0.0482	3.3000e-003	0.0515		397.0066	397.0066	0.0128		397.3266

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					0.2720	0.0000	0.2720	0.0412	0.0000	0.0412			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.2720	1.5513	1.8234	0.0412	1.4411	1.4823	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.7 Demolition (B100 Old Library) - 2021

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	0.0246	0.8025	0.1412	2.5900e-003	0.0566	2.6800e-003	0.0592	0.0155	2.5600e-003	0.0181		272.2317	272.2317	9.9000e-003		272.4792
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	0.0544	0.0304	0.3809	1.2500e-003	0.1232	8.1000e-004	0.1240	0.0327	7.4000e-004	0.0334		124.7749	124.7749	2.9000e-003		124.8473
Total	0.0790	0.8330	0.5220	3.8400e-003	0.1798	3.4900e-003	0.1833	0.0482	3.3000e-003	0.0515		397.0066	397.0066	0.0128		397.3266

3.8 Paving/Site Improvements (Area of B100 Demo) - 2021

Unmitigated Construction On-Site

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

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.8 Paving/Site Improvements (Area of B100 Demo) - 2021

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	0.0544	0.0304	0.3809	1.2500e-003	0.1232	8.1000e-004	0.1240	0.0327	7.4000e-004	0.0334		124.7749	124.7749	2.9000e-003		124.8473
Total	0.0544	0.0304	0.3809	1.2500e-003	0.1232	8.1000e-004	0.1240	0.0327	7.4000e-004	0.0334		124.7749	124.7749	2.9000e-003		124.8473

Mitigated Construction On-Site

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

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

3.8 Paving/Site Improvements (Area of B100 Demo) - 2021

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	0.0544	0.0304	0.3809	1.2500e-003	0.1232	8.1000e-004	0.1240	0.0327	7.4000e-004	0.0334		124.7749	124.7749	2.9000e-003		124.8473
Total	0.0544	0.0304	0.3809	1.2500e-003	0.1232	8.1000e-004	0.1240	0.0327	7.4000e-004	0.0334		124.7749	124.7749	2.9000e-003		124.8473

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0584	0.2694	0.4687	1.6900e-003	0.1194	1.4200e-003	0.1209	0.0319	1.3300e-003	0.0333		171.6092	171.6092	8.2200e-003		171.8148
Unmitigated	0.0584	0.2694	0.4687	1.6900e-003	0.1194	1.4200e-003	0.1209	0.0319	1.3300e-003	0.0333		171.6092	171.6092	8.2200e-003		171.8148

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Library	33.18	33.18	33.18	56,235	56,235
Total	33.18	33.18	33.18	56,235	56,235

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Library	9.50	7.30	7.30	52.00	43.00	5.00	44	44	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Library	0.584264	0.036754	0.174658	0.112986	0.019233	0.005457	0.009466	0.043414	0.003239	0.002257	0.006611	0.000609	0.001053

5.0 Energy Detail

Historical Energy Use: N

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030
NaturalGas Unmitigated	0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030

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					
Library	4282.38	0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030
Total		0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas 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					
Library	4.28238	0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030
Total		0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030

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	1.4379	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138
Unmitigated	1.4379	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

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	0.1693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138
Total	1.4379	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138

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	0.1693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138
Total	1.4379	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138

7.0 Water Detail

4498.0006 Solano CC Library - Solano-San Francisco County, Summer

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

4498.0006 Solano CC Library
Solano-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Library	59.25	1000sqft	5.63	59,252.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	56
Climate Zone	4			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

Project Characteristics -

Land Use - 2 story library; Approximately 5.63 acres disturbed based on Noll & Tam Architects

Construction Phase - Based on information provided by the applicant

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Based on Traffic Impact Assessment for Solano Community College District's New Library Building prepared by KD Anderson & Associates, Inc. and ITE Trip Generation Manual, 10th Edition for ITE Code 540

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	395.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	11.00
tblGrading	AcresOfGrading	5.50	10.00
tblLandUse	LandUseSquareFeet	59,250.00	59,252.00
tblLandUse	LotAcreage	1.36	5.63
tblVehicleTrips	ST_TR	46.55	0.56
tblVehicleTrips	SU_TR	25.49	0.56
tblVehicleTrips	WD_TR	56.24	0.56

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

2.0 Emissions Summary

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

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	8.0083	81.9910	45.1828	0.0809	18.7551	4.1893	22.9444	10.0697	3.8726	13.9422	0.0000	7,999.6639	7,999.6639	2.2676	0.0000	8,056.3542
2020	2.2655	20.3965	17.8456	0.0317	0.2732	1.1245	1.3976	0.0740	1.0574	1.1314	0.0000	3,043.3672	3,043.3672	0.6449	0.0000	3,059.4902
2021	33.1650	32.3021	22.0773	0.0425	0.8773	1.5549	2.4322	0.1538	1.4445	1.5983	0.0000	4,127.3234	4,127.3234	1.0685	0.0000	4,154.0358
Maximum	33.1650	81.9910	45.1828	0.0809	18.7551	4.1893	22.9444	10.0697	3.8726	13.9422	0.0000	7,999.6639	7,999.6639	2.2676	0.0000	8,056.3542

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	8.0083	81.9910	45.1828	0.0809	7.4988	4.1893	11.6881	3.9762	3.8726	7.8488	0.0000	7,999.6639	7,999.6639	2.2676	0.0000	8,056.3542
2020	2.2655	20.3965	17.8456	0.0317	0.2732	1.1245	1.3976	0.0740	1.0574	1.1314	0.0000	3,043.3672	3,043.3672	0.6449	0.0000	3,059.4902
2021	33.1650	32.3021	22.0773	0.0425	0.4518	1.5549	2.0067	0.0894	1.4445	1.5338	0.0000	4,127.3234	4,127.3234	1.0685	0.0000	4,154.0358
Maximum	33.1650	81.9910	45.1828	0.0809	7.4988	4.1893	11.6881	3.9762	3.8726	7.8488	0.0000	7,999.6639	7,999.6639	2.2676	0.0000	8,056.3542

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	58.69	0.00	43.63	59.80	0.00	36.94	0.00	0.00	0.00	0.00	0.00	0.00

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

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	1.4379	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138
Energy	0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030
Mobile	0.0481	0.2779	0.4992	1.5700e-003	0.1194	1.4500e-003	0.1209	0.0319	1.3600e-003	0.0333		158.6241	158.6241	8.7500e-003		158.8430
Total	1.5321	0.6978	0.8579	4.0900e-003	0.1194	0.0334	0.1528	0.0319	0.0333	0.0652		662.4462	662.4462	0.0184	9.2400e-003	665.6598

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	1.4379	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138
Energy	0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030
Mobile	0.0481	0.2779	0.4992	1.5700e-003	0.1194	1.4500e-003	0.1209	0.0319	1.3600e-003	0.0333		158.6241	158.6241	8.7500e-003		158.8430
Total	1.5321	0.6978	0.8579	4.0900e-003	0.1194	0.0334	0.1528	0.0319	0.0333	0.0652		662.4462	662.4462	0.0184	9.2400e-003	665.6598

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition (Old Portable Buildings) & Revise Underground Utilities	Demolition	10/21/2019	11/19/2019	5	22	
2	Site Preparation/Tree Removal	Site Preparation	10/21/2019	11/4/2019	5	11	
3	Grading	Grading	11/5/2019	11/19/2019	5	11	
4	Building Construction	Building Construction	11/25/2019	5/28/2021	5	395	
5	Architectural Coating	Architectural Coating	5/1/2021	5/28/2021	5	20	
6	Demolition (B100 Old Library)	Demolition	6/28/2021	10/1/2021	5	70	
7	Paving/Site Improvements (Area of B100 Demo)	Paving	10/4/2021	11/26/2021	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 88,878; Non-Residential Outdoor: 29,626; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation/Tree Removal	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation/Tree Removal	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Demolition (Old Portable Buildings) & Revise Underground Utilities	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition (Old Portable Buildings) & Revise Underground Utilities	Excavators	3	8.00	158	0.38
Demolition (Old Portable Buildings) & Revise Underground Utilities	Rubber Tired Dozers	2	8.00	247	0.40
Paving/Site Improvements (Area of B100 Demo)	Pavers	2	8.00	130	0.42
Paving/Site Improvements (Area of B100 Demo)	Paving Equipment	2	8.00	132	0.36
Paving/Site Improvements (Area of B100 Demo)	Rollers	2	8.00	80	0.38
Demolition (B100 Old Library)	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition (B100 Old Library)	Excavators	3	8.00	158	0.38
Demolition (B100 Old Library)	Rubber Tired Dozers	2	8.00	247	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

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/Tree Removal	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	25.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition (Old Portable Buildings) & Paving/Site Improvements (Area C)	6	15.00	0.00	39.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition (B100 Old Library)	6	15.00	0.00	226.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition (Old Portable Buildings) & Revise Underground Utilities - 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					0.3867	0.0000	0.3867	0.0586	0.0000	0.0586			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	0.3867	1.7949	2.1816	0.0586	1.6697	1.7282		3,816.8994	3,816.8994	1.0618		3,843.4451

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

3.2 Demolition (Old Portable Buildings) & Revise Underground Utilities - 2019

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	0.0162	0.5279	0.0949	1.4200e-003	0.0311	2.1200e-003	0.0332	8.5200e-003	2.0300e-003	0.0106		149.5501	149.5501	6.5700e-003		149.7143
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	0.0653	0.0488	0.4385	1.2200e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		121.2552	121.2552	3.4300e-003		121.3410
Total	0.0815	0.5767	0.5335	2.6400e-003	0.1543	2.9700e-003	0.1573	0.0412	2.8100e-003	0.0440		270.8054	270.8054	0.0100		271.0554

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					0.1508	0.0000	0.1508	0.0228	0.0000	0.0228			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	0.1508	1.7949	1.9457	0.0228	1.6697	1.6925	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

3.2 Demolition (Old Portable Buildings) & Revise Underground Utilities - 2019

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	0.0162	0.5279	0.0949	1.4200e-003	0.0311	2.1200e-003	0.0332	8.5200e-003	2.0300e-003	0.0106		149.5501	149.5501	6.5700e-003		149.7143
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	0.0653	0.0488	0.4385	1.2200e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		121.2552	121.2552	3.4300e-003		121.3410
Total	0.0815	0.5767	0.5335	2.6400e-003	0.1543	2.9700e-003	0.1573	0.0412	2.8100e-003	0.0440		270.8054	270.8054	0.0100		271.0554

3.3 Site Preparation/Tree Removal - 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298		3,766.4529	3,766.4529	1.1917		3,796.2445

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

3.3 Site Preparation/Tree Removal - 2019

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	0.0784	0.0586	0.5263	1.4600e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		145.5063	145.5063	4.1200e-003		145.6092
Total	0.0784	0.0586	0.5263	1.4600e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		145.5063	145.5063	4.1200e-003		145.6092

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	7.0458	2.3904	9.4362	3.8730	2.1991	6.0721	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

3.3 Site Preparation/Tree Removal - 2019

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	0.0784	0.0586	0.5263	1.4600e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		145.5063	145.5063	4.1200e-003		145.6092
Total	0.0784	0.0586	0.5263	1.4600e-003	0.1479	1.0200e-003	0.1489	0.0392	9.4000e-004	0.0402		145.5063	145.5063	4.1200e-003		145.6092

3.4 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					6.9862	0.0000	6.9862	3.4143	0.0000	3.4143			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856		2,936.8068	2,936.8068	0.9292		2,960.0361
Total	2.5805	28.3480	16.2934	0.0297	6.9862	1.3974	8.3835	3.4143	1.2856	4.6999		2,936.8068	2,936.8068	0.9292		2,960.0361

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3.4 Grading - 2019

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	0.0653	0.0488	0.4385	1.2200e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		121.2552	121.2552	3.4300e-003		121.3410
Total	0.0653	0.0488	0.4385	1.2200e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		121.2552	121.2552	3.4300e-003		121.3410

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					2.7246	0.0000	2.7246	1.3316	0.0000	1.3316			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361
Total	2.5805	28.3480	16.2934	0.0297	2.7246	1.3974	4.1220	1.3316	1.2856	2.6172	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

3.4 Grading - 2019

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	0.0653	0.0488	0.4385	1.2200e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		121.2552	121.2552	3.4300e-003		121.3410
Total	0.0653	0.0488	0.4385	1.2200e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		121.2552	121.2552	3.4300e-003		121.3410

3.5 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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

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3.5 Building Construction - 2019

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	0.0560	1.2631	0.3912	2.8400e-003	0.0678	9.4500e-003	0.0772	0.0195	9.0400e-003	0.0286		296.7730	296.7730	0.0185		297.2363
Worker	0.1089	0.0814	0.7309	2.0300e-003	0.2054	1.4200e-003	0.2068	0.0545	1.3100e-003	0.0558		202.0920	202.0920	5.7200e-003		202.2351
Total	0.1649	1.3445	1.1221	4.8700e-003	0.2732	0.0109	0.2840	0.0740	0.0104	0.0843		498.8650	498.8650	0.0243		499.4714

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

3.5 Building Construction - 2019

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	0.0560	1.2631	0.3912	2.8400e-003	0.0678	9.4500e-003	0.0772	0.0195	9.0400e-003	0.0286		296.7730	296.7730	0.0185		297.2363
Worker	0.1089	0.0814	0.7309	2.0300e-003	0.2054	1.4200e-003	0.2068	0.0545	1.3100e-003	0.0558		202.0920	202.0920	5.7200e-003		202.2351
Total	0.1649	1.3445	1.1221	4.8700e-003	0.2732	0.0109	0.2840	0.0740	0.0104	0.0843		498.8650	498.8650	0.0243		499.4714

3.5 Building Construction - 2020

Unmitigated Construction On-Site

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

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3.5 Building Construction - 2020

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	0.0462	1.1386	0.3460	2.8200e-003	0.0678	6.0400e-003	0.0738	0.0195	5.7700e-003	0.0253		294.6337	294.6337	0.0171		295.0607
Worker	0.0994	0.0718	0.6510	1.9600e-003	0.2054	1.3900e-003	0.2068	0.0545	1.2800e-003	0.0558		195.6705	195.6705	4.9800e-003		195.7950
Total	0.1456	1.2104	0.9971	4.7800e-003	0.2732	7.4300e-003	0.2806	0.0740	7.0500e-003	0.0810		490.3041	490.3041	0.0221		490.8557

Mitigated Construction On-Site

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

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3.5 Building Construction - 2020

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	0.0462	1.1386	0.3460	2.8200e-003	0.0678	6.0400e-003	0.0738	0.0195	5.7700e-003	0.0253		294.6337	294.6337	0.0171		295.0607
Worker	0.0994	0.0718	0.6510	1.9600e-003	0.2054	1.3900e-003	0.2068	0.0545	1.2800e-003	0.0558		195.6705	195.6705	4.9800e-003		195.7950
Total	0.1456	1.2104	0.9971	4.7800e-003	0.2732	7.4300e-003	0.2806	0.0740	7.0500e-003	0.0810		490.3041	490.3041	0.0221		490.8557

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

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3.5 Building Construction - 2021

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	0.0386	1.0237	0.3083	2.7900e-003	0.0678	2.5800e-003	0.0704	0.0195	2.4700e-003	0.0220		291.9426	291.9426	0.0161		292.3456
Worker	0.0920	0.0641	0.5913	1.8900e-003	0.2054	1.3400e-003	0.2067	0.0545	1.2400e-003	0.0557		188.7534	188.7534	4.4400e-003		188.8645
Total	0.1306	1.0878	0.8996	4.6800e-003	0.2732	3.9200e-003	0.2771	0.0740	3.7100e-003	0.0777		480.6960	480.6960	0.0206		481.2101

Mitigated Construction On-Site

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

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3.5 Building Construction - 2021

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	0.0386	1.0237	0.3083	2.7900e-003	0.0678	2.5800e-003	0.0704	0.0195	2.4700e-003	0.0220		291.9426	291.9426	0.0161		292.3456
Worker	0.0920	0.0641	0.5913	1.8900e-003	0.2054	1.3400e-003	0.2067	0.0545	1.2400e-003	0.0557		188.7534	188.7534	4.4400e-003		188.8645
Total	0.1306	1.0878	0.8996	4.6800e-003	0.2732	3.9200e-003	0.2771	0.0740	3.7100e-003	0.0777		480.6960	480.6960	0.0206		481.2101

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	30.8962					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	31.1151	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

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3.6 Architectural Coating - 2021

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	0.0184	0.0128	0.1183	3.8000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		37.7507	37.7507	8.9000e-004		37.7729
Total	0.0184	0.0128	0.1183	3.8000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		37.7507	37.7507	8.9000e-004		37.7729

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	30.8962					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	31.1151	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

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3.6 Architectural Coating - 2021

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	0.0184	0.0128	0.1183	3.8000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		37.7507	37.7507	8.9000e-004		37.7729
Total	0.0184	0.0128	0.1183	3.8000e-004	0.0411	2.7000e-004	0.0413	0.0109	2.5000e-004	0.0111		37.7507	37.7507	8.9000e-004		37.7729

3.7 Demolition (B100 Old Library) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6975	0.0000	0.6975	0.1056	0.0000	0.1056			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.6975	1.5513	2.2488	0.1056	1.4411	1.5467		3,747.9449	3,747.9449	1.0549		3,774.3174

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

3.7 Demolition (B100 Old Library) - 2021

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	0.0255	0.8230	0.1575	2.5300e-003	0.0566	2.7400e-003	0.0593	0.0155	2.6200e-003	0.0181		266.1264	266.1264	0.0109		266.3998
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	0.0552	0.0385	0.3548	1.1400e-003	0.1232	8.1000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.2520	113.2520	2.6700e-003		113.3187
Total	0.0807	0.8615	0.5123	3.6700e-003	0.1798	3.5500e-003	0.1833	0.0482	3.3600e-003	0.0516		379.3784	379.3784	0.0136		379.7184

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					0.2720	0.0000	0.2720	0.0412	0.0000	0.0412			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.2720	1.5513	1.8234	0.0412	1.4411	1.4823	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

3.7 Demolition (B100 Old Library) - 2021

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	0.0255	0.8230	0.1575	2.5300e-003	0.0566	2.7400e-003	0.0593	0.0155	2.6200e-003	0.0181		266.1264	266.1264	0.0109		266.3998
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	0.0552	0.0385	0.3548	1.1400e-003	0.1232	8.1000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.2520	113.2520	2.6700e-003		113.3187
Total	0.0807	0.8615	0.5123	3.6700e-003	0.1798	3.5500e-003	0.1833	0.0482	3.3600e-003	0.0516		379.3784	379.3784	0.0136		379.7184

3.8 Paving/Site Improvements (Area of B100 Demo) - 2021

Unmitigated Construction On-Site

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

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

3.8 Paving/Site Improvements (Area of B100 Demo) - 2021

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	0.0552	0.0385	0.3548	1.1400e-003	0.1232	8.1000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.2520	113.2520	2.6700e-003		113.3187
Total	0.0552	0.0385	0.3548	1.1400e-003	0.1232	8.1000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.2520	113.2520	2.6700e-003		113.3187

Mitigated Construction On-Site

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

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

3.8 Paving/Site Improvements (Area of B100 Demo) - 2021

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	0.0552	0.0385	0.3548	1.1400e-003	0.1232	8.1000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.2520	113.2520	2.6700e-003		113.3187
Total	0.0552	0.0385	0.3548	1.1400e-003	0.1232	8.1000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.2520	113.2520	2.6700e-003		113.3187

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0481	0.2779	0.4992	1.5700e-003	0.1194	1.4500e-003	0.1209	0.0319	1.3600e-003	0.0333		158.6241	158.6241	8.7500e-003		158.8430
Unmitigated	0.0481	0.2779	0.4992	1.5700e-003	0.1194	1.4500e-003	0.1209	0.0319	1.3600e-003	0.0333		158.6241	158.6241	8.7500e-003		158.8430

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Library	33.18	33.18	33.18	56,235	56,235
Total	33.18	33.18	33.18	56,235	56,235

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Library	9.50	7.30	7.30	52.00	43.00	5.00	44	44	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Library	0.584264	0.036754	0.174658	0.112986	0.019233	0.005457	0.009466	0.043414	0.003239	0.002257	0.006611	0.000609	0.001053

5.0 Energy Detail

Historical Energy Use: N

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030
NaturalGas Unmitigated	0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030

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					
Library	4282.38	0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030
Total		0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas 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					
Library	4.28238	0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030
Total		0.0462	0.4198	0.3527	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.8091	503.8091	9.6600e-003	9.2400e-003	506.8030

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	1.4379	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138
Unmitigated	1.4379	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138

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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	0.1693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138
Total	1.4379	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138

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	0.1693					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138
Total	1.4379	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0138

7.0 Water Detail

4498.0006 Solano CC Library - Solano-San Francisco County, Winter

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Solano College Library

No Mitigation

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling

2019
8 hours/day
5 days/week
13 weeks/year
520 hours/year

Onsite Construction Area Source Size (m2): 3980 from AERMOD

Onsite Construction PM2.5 Emissions

2019	Construction Activity	Onsite	Onsite	Onsite DPM
		Annual DPM	Annual DPM	Source Exhaust
		Exhaust Emissions	Exhaust Emissions	Emissions
		(tons/year)	(g/sec)	(g/m2-sec)
	Demolition	1.840E-02	8.925E-03	2.242E-06
	Site Preparation	1.210E-02	5.869E-03	1.475E-06
	Grading	7.070E-03	3.429E-03	8.616E-07
	Building Construction	1.640E-02	7.955E-03	1.999E-06
	Total	5.397E-02	2.618E-02	6.577E-06

Offsite Construction Vehicle PM2.5 Emissions

2019	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual DPM	Annual DPM	Annual DPM
		Exhaust Emissions	Exhaust Emissions	Exhaust Emissions
		(tons/year)	(tons/year)	(tons/year)
	Demolition	2.000E-05	0.000E+00	1.000E-05
	Site Preparation	0.000E+00	0.000E+00	1.000E-05
	Grading	0.000E+00	0.000E+00	0.000E+00
	Building Construction	0.000E+00	1.200E-04	2.000E-05
	Total (tons/year)	2.000E-05	1.200E-04	4.000E-05
	Total (tons/year)			1.800E-04
	Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8
	Offsite Project Trip Distance Along Roadway Segment (mi)	0.37	0.37	0.37
	Offsite Project Emissions Along Roadway Segment (tons/year)	3.655E-07	6.009E-06	1.354E-06
	Offsite Emissions Along Roadway Segment Analyzed			
	Total Offsite Project Exhaust Emissions (tons/year)	7.728E-06		
	Total Offsite Project Exhaust Emissions (grams/sec)	3.748E-06		
	Onsite Exhaust Emissions (tons/year)	5.397E-02		
	Total Onsite Emissions (tons/year)	5.397E-02		
	Onsite Exhaust Emissions (g/m2-sec)	6.577E-06		
	Total PM@2.5 Exhaust (tons/year)	5.398E-02		

Solano College Library

No Mitigation

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling

2020

8 hours/day
5 days/week
54 weeks/year
2160 hours/year

Onsite Construction Area Source Size (m2):

3980.00

Onsite Construction PM2.5 Emissions

2020	Construction Activity	Onsite	Onsite	Onsite DPM
		Annual DPM Exhaust Emissions (tons/year)	Annual DPM Exhaust Emissions (g/sec)	Source Exhaust Emissions (g/m2-sec)
	Building Construction	1.376E-01	1.607E-02	4.037E-06
Total		1.376E-01	1.607E-02	4.037E-06

Offsite Construction Vehicle PM2.5 Emissions

2020	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual DPM Exhaust Emissions (tons/year)	Annual DPM Exhaust Emissions (tons/year)	Annual DPM Exhaust Emissions (tons/year)
	Building Construction	0.000E+00	7.500E-04	1.700E-04
Total (tons/year)		0.000E+00	7.500E-04	1.700E-04

9.200E-04

Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8
Offsite Project Trip Distance Project>Dry Creek Road>US101 (mi)	0.37	0.37	0.37

Offsite Project Emissions Project>Dry Creek Rd>US101 (tons/year)	0.000E+00	3.755E-05	5.754E-06
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Emissions Along Roadway Segment	
Offsite Project Exhaust Emissions (tons/year)	4.331E-05
Offsite Project Exhaust Emissions (grams/sec)	5.057E-06
Offsite Project Fugitive Emissions (tons/year)	0.000E+00
Offsite Project Fugitive Emissions (grams/sec)	0.000E+00

Onsite Exhaust Emissions (tons/year)	1.376E-01
Total Onsite Emissions (tons/year)	1.376E-01
Onsite Exhaust Emissions (g/m2-sec)	4.037E-06

Total PM@2.5 Exhaust (tons/year)	1.376E-01
Total PM2.5 (tons/year)	1.376E-01

Solano College Library

No Mitigation

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling

2021
 8 hours/day
 5 days/week
 49 weeks/year
 1960 hours/year

Onsite Construction Area Source Size (m2): 3980.00

Onsite Construction PM2.5 Emissions

2021	Construction Activity	Onsite	Onsite	Onsite DPM
		Annual DPM	Annual DPM	Source Exhaust
		Exhaust Emissions (tons/year)	Exhaust Emissions (g/sec)	Emissions (g/m2-sec)
	Building Construction	4.780E-02	6.151E-03	1.546E-06
	Architectural Coating	9.400E-04	1.210E-04	3.039E-08
	Demolition	5.040E-02	6.486E-03	1.630E-06
	Paving	1.250E-02	1.609E-03	4.042E-07
Total		1.116E-01	1.437E-02	3.610E-06

Offsite Construction Vehicle PM2.5 Emissions

2021	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual DPM	Annual DPM	Annual DPM
		Exhaust Emissions (tons/year)	Exhaust Emissions (tons/year)	Exhaust Emissions (tons/year)
	Building Construction	0.000E+00	1.300E-04	7.000E-05
	Architectural Coating	0.000E+00	0.000E+00	0.00001
	Demolition	9.000E-05	0.000E+00	3.000E-05
	Paving	0.000E+00	0.000E+00	1.000E-05
Total (tons/year)		9.000E-05	1.300E-04	1.100E-04

3.300E-04

Trip Distance assumed in CalEEMod (mi) 20.0 7.3 10.8

Offsite Project Trip Distance 0.37 0.37 0.37

Project>Dry Creek Road>US101 (mi)

Offsite Project Emissions 1.645E-06 6.509E-06 3.723E-06

Project>Dry Creek Rd>US101 (tons/year)

Emissions Along Roadway Segment	
Offsite Project Exhaust Emissions (tons/year)	1.188E-05
Offsite Project Exhaust Emissions (grams/sec)	1.528E-06
Offsite Project Fugitive Emissions (tons/year)	0.000E+00
Offsite Project Fugitive Emissions (grams/sec)	0.000E+00

Onsite Exhaust Emissions (tons/year)	1.116E-01
Total Onsite Emissions (tons/year)	1.116E-01
Onsite Exhaust Emissions (g/m2-sec)	3.610E-06

Total PM@2.5 Exhaust (tons/year)	1.117E-01
Total PM2.5 (tons/year)	1.117E-01

Solano College Library

2019

No Mitigation

At Sensitive Receptors

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate:

6.57733E-06

Annual Average Offsite DPM Exhaust Emission Rate:

3.74835E-06

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Total DPM (ug/m3)
4232176.67	0.34579	0.34579	0.22744	0.00001	3.74835E-06	0.22744
4232175.61	0.31103	0.31103	0.20457	0.00001	3.74835E-06	0.20458
4232171.39	0.2977	0.2977	0.19581	0.00001	3.74835E-06	0.19581

Solano College Library

2020

No Mitigation

at Sensitive Receptors

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate:

4.03706E-06 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate:

5.05695E-06 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Total DPM (ug/m3)
4232176.67	0.34579	0.34579	0.13960	0.00001	5.05695E-06	0.13960
4232175.61	0.31103	0.31103	0.12556	0.00001	5.05695E-06	0.12557
4232171.39	0.2977	0.2977	0.12018	0.00001	5.05695E-06	0.12019

Solano College Library

2020

No Mitigation

at Sensitive Receptors

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate: 3.61E-06 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate: 0.00E+00 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Total DPM (ug/m3)
4232176.67	0.34579	0.34579	0.12482	0.00001	0.00000E+00	0.12482
4232175.61	0.31103	0.31103	0.11227	0.00001	0.00000E+00	0.11227
4232171.39	0.2977	0.2977	0.10746	0.00001	0.00000E+00	0.10746

Solano College Library

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹
Averaging Period 25550 days

Year	Unit DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Frequency (days/year)	Exposure Duration (years)	Unit Risk Factor (ug/m3) ⁻¹
1	1	10	1090	0.34	65	1	10.4
2	1	10	1090	0.34	270	1	43.1
3	1	3	572	0.34	245	1	6.2

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

Child care operation hour: 7:45am-3:00pm

Solano College Library

No Mitigation at Sensitive Receptors

Estimated Cancer Risks from Construction DPM - Infant Receptors

X (m)	Y (m)	Infant Cancer Risk (year 1) 2019 (/million)	Infant Cancer Risk (year 2) 2020 (/million)	Child Cancer Risk 2021 (/million)	Total Cancer Risk (/million)	Maximum Cancer Risk
4232176.67	0.34579	2.359	6.014	0.768	9.14	9.1
4232175.61	0.31103	2.122	5.409	0.000	7.53	BAAQMD threshold of significance
4232171.39	0.2977	2.031	5.178	0.000	7.21	10
						Exceed thresholds?
						No

Solano College Library

No Mitigation

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
UTM: (565046,4185977)

Cancer Potency Factor: 1.1 (mg/kg-day)⁻¹

Averaging Period 25550 days

Year	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Frequency (days/year)	Exposure Duration (years)	Unit Risk Factor (ug/m3) ⁻¹
1	1	3	572	0.34	65	1	1.6
2	1	3	572	0.34	270	1	6.8
3	1	3	572	0.34	245	1	6.2

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

Solano College Library

No Mitigation

at Sensitive Receptors

Estimated Cancer Risks from Construction DPM

X (m)	Y (m)	Child Cancer Risk (year 1) 2018 (/million)	Child Cancer Risk (year 2) 2019 (/million)	Child Cancer Risk (year 3) 2020 (/million)	Total Cancer Risk (/million)	Maximum Caner Risk 2 BAAQMD threshold of significance 10
4232176.67	0.34579	0.371	0.947	0.768	2.09	Exceed thresholds?
4232175.61	0.31103	0.334	0.852	0.691	1.88	No
4232171.39	0.2977	0.320	0.815	0.661	1.80	

Solano College Library

No Mitigation at Sensitive Receptors

Annual Average PM2.5 (Exhaust + Fugitive Dust)

X (m)	Y (m)	2019 DPM (ug/m3)	2020 DPM (ug/m3)	2021 DPM (ug/m3)	Max PM2.5 (ug/m3)	Maximum Cancer Risk
#REF!	#REF!	0.227441	0.139602	0.124818	0.22744	0.2
#REF!	#REF!	0.204578	0.12557	0.112271	0.20458	BAAQMD threshold of significance 0.3
#REF!	#REF!	0.195811	0.120188	0.107459	0.19581	Exceed thresholds? No

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** AERMOD Input Produced by:
** AERMOD View Ver. 9.5.0
** Lakes Environmental Software Inc.
** Date: 1/12/2018
** File: C:\Users\xli\Desktop\4498.0006 Solano CC
Library\new\construction HRA\construction HRA.ADI
**
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** AERMOD Control Pathway
*****
**
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CO STARTING
  TITLEONE C:\Users\xli\Desktop\4498.0006 Solano CC
Library\new\construction HR
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 10000
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "construction HRA.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION PAREAL      AREAPOLY    576780.393  4232288.602
12.000
** DESCRSRC Construction area
** -----
--
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC off-site truck
** PREFIX
** Length of Side = 9.00
** Configuration = Adjacent
** Emission Rate = 0.00001
** Elevated
** Vertical Dimension = 6.22
** SZINIT = 1.45

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** Nodes = 10
** 576426.895, 4232003.100, 12.00, 3.11, 4.19
** 576481.144, 4231987.600, 12.00, 3.11, 4.19
** 576495.352, 4232087.057, 12.23, 3.11, 4.19
** 576544.434, 4232176.181, 12.00, 3.11, 4.19
** 576562.518, 4232243.346, 12.88, 3.11, 4.19
** 576651.931, 4232238.403, 12.00, 3.11, 4.19
** 576655.663, 4232279.465, 12.00, 3.11, 4.19
** 576681.794, 4232301.862, 12.00, 3.11, 4.19
** 576761.117, 4232294.396, 12.00, 3.11, 4.19
** 576773.249, 4232285.064, 12.00, 3.11, 4.19

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LOCATION	L0000001	VOLUME	576431.221	4232001.864	12.00
LOCATION	L0000002	VOLUME	576439.875	4231999.391	12.00
LOCATION	L0000003	VOLUME	576448.529	4231996.919	12.00
LOCATION	L0000004	VOLUME	576457.183	4231994.446	12.00
LOCATION	L0000005	VOLUME	576465.836	4231991.974	12.00
LOCATION	L0000006	VOLUME	576474.490	4231989.501	12.00
LOCATION	L0000007	VOLUME	576481.438	4231989.659	12.00
LOCATION	L0000008	VOLUME	576482.711	4231998.569	12.00
LOCATION	L0000009	VOLUME	576483.983	4232007.478	12.00
LOCATION	L0000010	VOLUME	576485.256	4232016.388	12.00
LOCATION	L0000011	VOLUME	576486.529	4232025.298	12.00
LOCATION	L0000012	VOLUME	576487.802	4232034.207	12.00
LOCATION	L0000013	VOLUME	576489.075	4232043.117	12.00
LOCATION	L0000014	VOLUME	576490.347	4232052.026	12.00
LOCATION	L0000015	VOLUME	576491.620	4232060.936	12.00
LOCATION	L0000016	VOLUME	576492.893	4232069.845	12.00
LOCATION	L0000017	VOLUME	576494.166	4232078.755	12.00
LOCATION	L0000018	VOLUME	576495.648	4232087.594	12.00
LOCATION	L0000019	VOLUME	576499.989	4232095.478	12.00
LOCATION	L0000020	VOLUME	576504.331	4232103.361	12.00
LOCATION	L0000021	VOLUME	576508.673	4232111.245	12.00
LOCATION	L0000022	VOLUME	576513.014	4232119.129	12.08
LOCATION	L0000023	VOLUME	576517.356	4232127.012	12.20
LOCATION	L0000024	VOLUME	576521.698	4232134.896	12.25
LOCATION	L0000025	VOLUME	576526.039	4232142.779	12.23
LOCATION	L0000026	VOLUME	576530.381	4232150.663	12.11
LOCATION	L0000027	VOLUME	576534.723	4232158.546	12.00
LOCATION	L0000028	VOLUME	576539.064	4232166.430	12.00
LOCATION	L0000029	VOLUME	576543.406	4232174.313	12.00
LOCATION	L0000030	VOLUME	576546.220	4232182.813	12.14
LOCATION	L0000031	VOLUME	576548.560	4232191.503	12.26
LOCATION	L0000032	VOLUME	576550.899	4232200.194	12.35
LOCATION	L0000033	VOLUME	576553.239	4232208.884	12.41
LOCATION	L0000034	VOLUME	576555.579	4232217.575	12.56
LOCATION	L0000035	VOLUME	576557.919	4232226.265	12.74
LOCATION	L0000036	VOLUME	576560.259	4232234.956	12.98
LOCATION	L0000037	VOLUME	576562.828	4232243.329	13.00
LOCATION	L0000038	VOLUME	576571.814	4232242.832	12.79
LOCATION	L0000039	VOLUME	576580.800	4232242.336	12.55

LOCATION	L0000040	VOLUME	576589.787	4232241.839	12.31
LOCATION	L0000041	VOLUME	576598.773	4232241.342	12.15
LOCATION	L0000042	VOLUME	576607.759	4232240.845	12.09
LOCATION	L0000043	VOLUME	576616.745	4232240.348	12.04
LOCATION	L0000044	VOLUME	576625.732	4232239.851	12.00
LOCATION	L0000045	VOLUME	576634.718	4232239.355	12.00
LOCATION	L0000046	VOLUME	576643.704	4232238.858	12.00
LOCATION	L0000047	VOLUME	576652.000	4232239.161	12.00
LOCATION	L0000048	VOLUME	576652.814	4232248.124	12.00
LOCATION	L0000049	VOLUME	576653.629	4232257.087	12.00
LOCATION	L0000050	VOLUME	576654.444	4232266.050	12.00
LOCATION	L0000051	VOLUME	576655.259	4232275.013	12.00
LOCATION	L0000052	VOLUME	576659.103	4232282.413	12.00
LOCATION	L0000053	VOLUME	576665.936	4232288.270	12.00
LOCATION	L0000054	VOLUME	576672.770	4232294.127	12.00
LOCATION	L0000055	VOLUME	576679.603	4232299.984	12.02
LOCATION	L0000056	VOLUME	576687.881	4232301.289	12.00
LOCATION	L0000057	VOLUME	576696.842	4232300.446	12.00
LOCATION	L0000058	VOLUME	576705.802	4232299.602	12.00
LOCATION	L0000059	VOLUME	576714.763	4232298.759	12.00
LOCATION	L0000060	VOLUME	576723.723	4232297.916	12.00
LOCATION	L0000061	VOLUME	576732.683	4232297.072	12.00
LOCATION	L0000062	VOLUME	576741.644	4232296.229	12.00
LOCATION	L0000063	VOLUME	576750.604	4232295.386	12.00
LOCATION	L0000064	VOLUME	576759.565	4232294.542	12.00
LOCATION	L0000065	VOLUME	576767.015	4232289.860	12.00

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

SRCPARAM	PAREAL	0.00001	5.000	4	
AREAVERT	PAREAL	576780.393	4232288.602	576775.727	4232231.676
AREAVERT	PAREAL	576842.918	4232224.210	576851.317	4232281.136

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0000001	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000002	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000003	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000004	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000005	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000006	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000007	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000008	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000009	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000010	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000011	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000012	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000013	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000014	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000015	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000016	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000017	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000018	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000019	0.0000001538	3.11	4.19	1.45
SRCPARAM	L0000020	0.0000001538	3.11	4.19	1.45

URBANSRC L0000005
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URBANSRC L0000063
URBANSRC L0000064
URBANSRC L0000065

** 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	L0000058	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000058	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000059	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000059	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000059	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000059	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000060	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000060	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000060	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000060	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000061	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000061	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000061	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000061	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000062	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000062	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000062	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000062	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000063	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000063	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000063	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000063	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000064	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000064	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000064	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000064	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000065	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000065	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000065	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000065	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
SRCGROUP	Area	PAREAL						
SRCGROUP	Line	L0000001	L0000002	L0000003	L0000004	L0000005		
L0000006								
SRCGROUP	Line	L0000007	L0000008	L0000009	L0000010	L0000011		
L0000012								
SRCGROUP	Line	L0000013	L0000014	L0000015	L0000016	L0000017		
L0000018								
SRCGROUP	Line	L0000019	L0000020	L0000021	L0000022	L0000023		
L0000024								
SRCGROUP	Line	L0000025	L0000026	L0000027	L0000028	L0000029		
L0000030								
SRCGROUP	Line	L0000031	L0000032	L0000033	L0000034	L0000035		
L0000036								
SRCGROUP	Line	L0000037	L0000038	L0000039	L0000040	L0000041		
L0000042								
SRCGROUP	Line	L0000043	L0000044	L0000045	L0000046	L0000047		
L0000048								
SRCGROUP	Line	L0000049	L0000050	L0000051	L0000052	L0000053		
L0000054								
SRCGROUP	Line	L0000055	L0000056	L0000057	L0000058	L0000059		
L0000060								
SRCGROUP	Line	L0000061	L0000062	L0000063	L0000064	L0000065		

```

SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "construction HRA.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE 745160\745160.SFC
  PROFFILE 745160\745160.PFL
  SURFDATA 23202 2009
  UAIRDATA 23230 2009 OAKLAND/WSO_AP
  PROFBASE 18.9 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
** Auto-Generated Plotfiles
  PLOTFILE ANNUAL ALL "construction HRA.AD\AN00GALL.PLT" 31
  PLOTFILE ANNUAL Area "construction HRA.AD\AN00G001.PLT" 32
  PLOTFILE ANNUAL Line "construction HRA.AD\AN00G002.PLT" 33
  SUMMFILE "construction HRA.sum"
OU FINISHED

```

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

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

```

A Total of           0 Fatal Error Message(s)
A Total of           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 ***

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*** 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 66
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: 66 Source(s); 3 Source Group(s); and
3 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 65 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) =
18.90 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units =
GRAMS/SEC ; Emission Rate Unit Factor
= 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

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

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*** MODELOPTs: RegDFault CONC ELEV URBAN

*** VOLUME SOURCE

DATA ***

INIT.	INIT.	NUMBER	EMISSION	RATE		BASE	RELEASE	
SOURCE	SOURCE	URBAN	EMISSION	RATE	X	Y	ELEV.	HEIGHT
SY	SZ	PART.	(GRAMS/SEC)	SCALAR	VARY		(METERS)	(METERS)
ID	CATS.						(METERS)	(METERS)
(METERS)	(METERS)		BY					
L0000001		0	0.15380E-06	576431.2	4232001.9		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000002		0	0.15380E-06	576439.9	4231999.4		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000003		0	0.15380E-06	576448.5	4231996.9		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000004		0	0.15380E-06	576457.2	4231994.4		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000005		0	0.15380E-06	576465.8	4231992.0		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000006		0	0.15380E-06	576474.5	4231989.5		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000007		0	0.15380E-06	576481.4	4231989.7		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000008		0	0.15380E-06	576482.7	4231998.6		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000009		0	0.15380E-06	576484.0	4232007.5		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000010		0	0.15380E-06	576485.3	4232016.4		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000011		0	0.15380E-06	576486.5	4232025.3		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000012		0	0.15380E-06	576487.8	4232034.2		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000013		0	0.15380E-06	576489.1	4232043.1		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000014		0	0.15380E-06	576490.3	4232052.0		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000015		0	0.15380E-06	576491.6	4232060.9		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000016		0	0.15380E-06	576492.9	4232069.8		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000017		0	0.15380E-06	576494.2	4232078.8		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000018		0	0.15380E-06	576495.6	4232087.6		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000019		0	0.15380E-06	576500.0	4232095.5		12.0	3.11
4.19	1.45	YES	HRDOW					
L0000020		0	0.15380E-06	576504.3	4232103.4		12.0	3.11
4.19	1.45	YES	HRDOW					

L0000021	0	0.15380E-06	576508.7	4232111.2	12.0	3.11
4.19	1.45	YES	HRDOW			
L0000022	0	0.15380E-06	576513.0	4232119.1	12.1	3.11
4.19	1.45	YES	HRDOW			
L0000023	0	0.15380E-06	576517.4	4232127.0	12.2	3.11
4.19	1.45	YES	HRDOW			
L0000024	0	0.15380E-06	576521.7	4232134.9	12.2	3.11
4.19	1.45	YES	HRDOW			
L0000025	0	0.15380E-06	576526.0	4232142.8	12.2	3.11
4.19	1.45	YES	HRDOW			
L0000026	0	0.15380E-06	576530.4	4232150.7	12.1	3.11
4.19	1.45	YES	HRDOW			
L0000027	0	0.15380E-06	576534.7	4232158.5	12.0	3.11
4.19	1.45	YES	HRDOW			
L0000028	0	0.15380E-06	576539.1	4232166.4	12.0	3.11
4.19	1.45	YES	HRDOW			
L0000029	0	0.15380E-06	576543.4	4232174.3	12.0	3.11
4.19	1.45	YES	HRDOW			
L0000030	0	0.15380E-06	576546.2	4232182.8	12.1	3.11
4.19	1.45	YES	HRDOW			
L0000031	0	0.15380E-06	576548.6	4232191.5	12.3	3.11
4.19	1.45	YES	HRDOW			
L0000032	0	0.15380E-06	576550.9	4232200.2	12.4	3.11
4.19	1.45	YES	HRDOW			
L0000033	0	0.15380E-06	576553.2	4232208.9	12.4	3.11
4.19	1.45	YES	HRDOW			
L0000034	0	0.15380E-06	576555.6	4232217.6	12.6	3.11
4.19	1.45	YES	HRDOW			
L0000035	0	0.15380E-06	576557.9	4232226.3	12.7	3.11
4.19	1.45	YES	HRDOW			
L0000036	0	0.15380E-06	576560.3	4232235.0	13.0	3.11
4.19	1.45	YES	HRDOW			
L0000037	0	0.15380E-06	576562.8	4232243.3	13.0	3.11
4.19	1.45	YES	HRDOW			
L0000038	0	0.15380E-06	576571.8	4232242.8	12.8	3.11
4.19	1.45	YES	HRDOW			
L0000039	0	0.15380E-06	576580.8	4232242.3	12.6	3.11
4.19	1.45	YES	HRDOW			
L0000040	0	0.15380E-06	576589.8	4232241.8	12.3	3.11
4.19	1.45	YES	HRDOW			

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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE

DATA ***

INIT.	INIT.	NUMBER	EMISSION	RATE		BASE	RELEASE	
SOURCE	SOURCE	URBAN	EMISSION	RATE	X	Y	ELEV.	HEIGHT
SY	SZ	PART.	(GRAMS/SEC)				(METERS)	(METERS)
ID	CATS.	SOURCE	SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	(METERS)		BY					
L0000041		0	0.15380E-06		576598.8	4232241.3	12.2	3.11
4.19	1.45	YES	HRDOW					
L0000042		0	0.15380E-06		576607.8	4232240.8	12.1	3.11
4.19	1.45	YES	HRDOW					
L0000043		0	0.15380E-06		576616.7	4232240.3	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000044		0	0.15380E-06		576625.7	4232239.9	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000045		0	0.15380E-06		576634.7	4232239.4	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000046		0	0.15380E-06		576643.7	4232238.9	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000047		0	0.15380E-06		576652.0	4232239.2	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000048		0	0.15380E-06		576652.8	4232248.1	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000049		0	0.15380E-06		576653.6	4232257.1	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000050		0	0.15380E-06		576654.4	4232266.0	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000051		0	0.15380E-06		576655.3	4232275.0	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000052		0	0.15380E-06		576659.1	4232282.4	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000053		0	0.15380E-06		576665.9	4232288.3	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000054		0	0.15380E-06		576672.8	4232294.1	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000055		0	0.15380E-06		576679.6	4232300.0	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000056		0	0.15380E-06		576687.9	4232301.3	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000057		0	0.15380E-06		576696.8	4232300.4	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000058		0	0.15380E-06		576705.8	4232299.6	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000059		0	0.15380E-06		576714.8	4232298.8	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000060		0	0.15380E-06		576723.7	4232297.9	12.0	3.11
4.19	1.45	YES	HRDOW					
L0000061		0	0.15380E-06		576732.7	4232297.1	12.0	3.11
4.19	1.45	YES	HRDOW					

L0000062	0	0.15380E-06	576741.6	4232296.2	12.0	3.11
4.19	1.45	YES	HRDOW			
L0000063	0	0.15380E-06	576750.6	4232295.4	12.0	3.11
4.19	1.45	YES	HRDOW			
L0000064	0	0.15380E-06	576759.6	4232294.5	12.0	3.11
4.19	1.45	YES	HRDOW			
L0000065	0	0.15380E-06	576767.0	4232289.9	12.0	3.11
4.19	1.45	YES	HRDOW			

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREAPOLY SOURCE

DATA ***

RELEASE NUMBER	SOURCE	HEIGHT OF ID (METERS)	NUMBER OF VERTS.	PART.	INIT. (GRAMS/SEC)	URBAN SOURCE	EMISSION RATE (GRAMS/SEC)	LOCATION OF AREA	EMISSION RATE	BASE ELEV.
								X	Y	
								SCALAR	VARY	
								(METERS)	(METERS)	(METERS)
								BY		
PAREAL					0	0.10000E-04	576780.4	4232288.6	12.0	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 PAREAL ,

LINE	L0000001	,	L0000002	,	L0000003	,	L0000004	,
L0000005	, L0000006	,	L0000007	,	L0000008	,		
	L0000009	,	L0000010	,	L0000011	,	L0000012	,
L0000013	, L0000014	,	L0000015	,	L0000016	,		
	L0000017	,	L0000018	,	L0000019	,	L0000020	,
L0000021	, L0000022	,	L0000023	,	L0000024	,		
	L0000025	,	L0000026	,	L0000027	,	L0000028	,
L0000029	, L0000030	,	L0000031	,	L0000032	,		
	L0000033	,	L0000034	,	L0000035	,	L0000036	,
L0000037	, L0000038	,	L0000039	,	L0000040	,		
	L0000041	,	L0000042	,	L0000043	,	L0000044	,
L0000045	, L0000046	,	L0000047	,	L0000048	,		
	L0000049	,	L0000050	,	L0000051	,	L0000052	,
L0000053	, L0000054	,	L0000055	,	L0000056	,		
	L0000057	,	L0000058	,	L0000059	,	L0000060	,
L0000061	, L0000062	,	L0000063	,	L0000064	,		
	L0000065	,						
ALL	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	,				

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS

URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs			
-----	-----	-----			
L0000003	10000.	PAREA1	L0000001	L0000002	
L0000007		L0000004	L0000005	L0000006	
L0000012		L0000008	L0000009	L0000010	L0000011
		L0000013	L0000014	L0000015	
L0000020		L0000016	L0000017	L0000018	L0000019
		L0000021	L0000022	L0000023	
L0000028		L0000024	L0000025	L0000026	L0000027
		L0000029	L0000030	L0000031	
L0000036		L0000032	L0000033	L0000034	L0000035
		L0000037	L0000038	L0000039	
L0000044		L0000040	L0000041	L0000042	L0000043
		L0000045	L0000046	L0000047	
L0000052		L0000048	L0000049	L0000050	L0000051
		L0000053	L0000054	L0000055	
L0000060		L0000056	L0000057	L0000058	L0000059
		L0000061	L0000062	L0000063	
		L0000064	L0000065		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

```
SOURCE ID = PAREAL      ; 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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*** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\4498.0006
Solano CC Library\new\construction HR ***   01/12/18
*** AERMET - VERSION 14134 ***   ***
***   00:34:36
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*** MODELOPTs:   RegDFault  CONC  ELEV  URBAN
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* 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
```

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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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*** AERMOD - VERSION 16216r *** *** C:\Users\xli\Desktop\4498.0006
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*** 00:34:36

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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

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 14134 *** ***
*** 00:34:36

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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

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*** AERMET - VERSION 14134 *** ***
*** 00:34:36

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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

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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

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*** 00:34:36

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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

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 *** 00:34:36

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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 :

HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR

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

*** AERMOD - VERSION 16216r *** *** C:\Users\xli\Desktop\4498.0006
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 *** AERMET - VERSION 14134 *** ***
 *** 00:34:36

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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 :

HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR

```

-----
DAY OF 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

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DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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

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*** AERMOD - VERSION 16216r *** *** C:\Users\xli\Desktop\4498.0006
Solano CC Library\new\construction HR *** 01/12/18
*** AERMET - VERSION 14134 *** ***
*** 00:34:36

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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SOURCE ID = L0000009 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
-----

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DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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

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DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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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*** AERMOD - VERSION 16216r *** *** C:\Users\xli\Desktop\4498.0006
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
-----

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                                DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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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*** AERMOD - VERSION 16216r *** *** C:\Users\xli\Desktop\4498.0006
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*** 00:34:36

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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

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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	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :

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

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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

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SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
-----

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```

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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

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DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN
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* 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

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*** MODELOPTs: RegDEFAULT 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

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

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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

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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 = 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
 DAY OF WEEK = SUNDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
 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 = 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

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*** MODELOPTs: RegDFault CONC ELEV URBAN

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

SOURCE ID = L0000021 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.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 = L0000022 ; SOURCE TYPE = VOLUME :

HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR

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

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 *** 00:34:36

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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 :

HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR

```

-----
DAY OF 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

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DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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

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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
-----

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```

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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

```

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DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = L0000025 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----
                                DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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 = L0000026 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

Table with 24 columns (4 groups of 6) and 3 rows of data. Headers include 'DAY OF WEEK = WEEKDAY', 'DAY OF WEEK = SATURDAY', and 'DAY OF WEEK = SUNDAY'. Values are in scientific notation (e.g., .0000E+00, .1000E+01).

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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

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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	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

```

SOURCE ID = L0000029 ; SOURCE TYPE = VOLUME :
  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR
SCALAR  HOUR   SCALAR  HOUR   SCALAR  HOUR   SCALAR
- - - - -

```

```

DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00
5 .0000E+00  6 .0000E+00  7 .0000E+00  8 .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 = 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

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*** MODELOPTs: RegDEFAULT 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

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

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 16216r *** *** C:\Users\xli\Desktop\4498.0006
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*** 00:34:36

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

SOURCE ID = L0000033 ; SOURCE TYPE = VOLUME :

SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR

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

*** AERMOD - VERSION 16216r *** *** C:\Users\xli\Desktop\4498.0006
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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 = 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

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 Solano CC Library\new\construction HR *** 01/12/18
 *** AERMET - VERSION 14134 *** ***
 *** 00:34:36

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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

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*** MODELOPTs: RegDFault CONC ELEV URBAN

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

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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

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 *** 00:34:36

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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 :

HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR

DAY OF 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	25	.0000E+00
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00	25	.0000E+00
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00	25	.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 = L0000038 ; SOURCE TYPE = VOLUME :

HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR
1		2		3		4		5	
6		7		8		9		10	
11		12		13		14		15	
16		17		18		19		20	
21		22		23		24		25	

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DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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

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DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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SOURCE ID = L0000039 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
-----

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DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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

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DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

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

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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

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

SOURCE ID = L0000041 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

Table with 24 columns (4 groups of 6) showing emission rate scalars for Weekday, Saturday, and Sunday. Values range from .0000E+00 to .1000E+01.

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

SOURCE ID = L0000042 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.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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 *** 00:34:36

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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 :

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

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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) *

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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

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DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

SOURCE ID = L0000045 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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: RegDEFAULT CONC ELEV URBAN

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

SOURCE ID = L0000046 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - - -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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

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

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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

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

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*** 00:34:36

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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

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

SOURCE ID = L0000049 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

 DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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 = 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

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*** MODELOPTs: RegDFault CONC ELEV URBAN

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

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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

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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 :

HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW

DAY OF WEEK = WEEKDAY								
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01	
	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00	
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00	
DAY OF WEEK = SATURDAY								
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00	
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	
	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00	
DAY OF WEEK = SUNDAY								
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00	
	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	
	.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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*** 00:34:36

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

SOURCE ID = L0000053 ; SOURCE TYPE = VOLUME :

HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW	SCALAR	HRDOW
-------	--------	-------	--------	-------	--------	-------	--------	-------

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-----
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

```

SOURCE ID = L0000054 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
-----

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```

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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

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```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

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

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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

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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

Table with 24 columns (4 groups of 6) representing emission rate scalars for Weekday, Saturday, and Sunday. Values range from .0000E+00 to .1000E+01.

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

SOURCE ID = L0000057 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.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 = L0000058 ; SOURCE TYPE = VOLUME :

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

* 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

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

SOURCE ID = L0000061 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
 - - - - -

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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

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

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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

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

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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

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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

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

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

SOURCE ID = L0000065 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .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

*** DISCRETE CARTESIAN

RECEPTORS ***

(X-COORD, Y-COORD, ZELEV,

ZHILL, ZFLAG)

(METERS)

(576803.6, 4232176.7, 11.0, 124.0, 0.0);
(576811.7, 4232175.6, 11.0, 124.0, 0.0);
(576806.8, 4232171.4, 11.0, 124.0, 0.0);

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** METEOROLOGICAL DAYS

SELECTED FOR PROCESSING ***

(1=YES;

0=NO)

1
1
1
1
1 1

09	01	01	1	01	-9.7	0.168	-9.000	-9.000	-999.	166.	44.7
0.47	0.92	1.00			1.76	121.	10.0	278.4	2.0		
09	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0
0.26	0.92	1.00			0.00	0.	10.0	278.4	2.0		
09	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0
0.26	0.92	1.00			0.00	0.	10.0	278.4	2.0		
09	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0
0.26	0.92	1.00			0.00	0.	10.0	278.2	2.0		
09	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0
0.26	0.92	1.00			0.00	0.	10.0	278.4	2.0		
09	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0
0.26	0.92	1.00			0.00	0.	10.0	278.4	2.0		
09	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0
0.26	0.92	1.00			0.00	0.	10.0	278.1	2.0		
09	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0
0.26	0.92	1.00			0.00	0.	10.0	278.1	2.0		
09	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0
0.26	0.92	0.42			0.00	0.	10.0	278.1	2.0		
09	01	01	1	10	5.6	0.226	0.239	0.015	88.	258.	-187.2
0.38	0.92	0.29			1.76	111.	10.0	278.1	2.0		
09	01	01	1	11	14.2	0.371	0.401	0.014	165.	543.	-328.7
0.24	0.92	0.24			3.36	24.	10.0	278.4	2.0		
09	01	01	1	12	18.9	0.297	0.492	0.016	230.	392.	-126.7
0.17	0.92	0.23			2.86	356.	10.0	278.2	2.0		
09	01	01	1	13	19.6	0.274	0.534	0.016	281.	345.	-95.6
0.24	0.92	0.23			2.36	3.	10.0	278.1	2.0		
09	01	01	1	14	16.4	0.239	0.523	0.015	317.	281.	-75.6
0.38	0.92	0.24			1.76	99.	10.0	278.1	2.0		
09	01	01	1	15	9.2	-9.000	-9.000	-9.000	336.	-999.	-99999.0
0.26	0.92	0.27			0.00	0.	10.0	278.1	2.0		
09	01	01	1	16	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0
0.26	0.92	0.35			0.00	0.	10.0	279.1	2.0		
09	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0
0.26	0.92	0.60			0.00	0.	10.0	279.1	2.0		
09	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0
0.26	0.92	1.00			0.00	0.	10.0	279.0	2.0		
09	01	01	1	19	-19.7	0.344	-9.000	-9.000	-999.	484.	187.1
0.47	0.92	1.00			2.86	154.	10.0	279.2	2.0		
09	01	01	1	20	-13.2	0.230	-9.000	-9.000	-999.	272.	83.6
0.47	0.92	1.00			2.10	127.	10.0	279.1	2.0		
09	01	01	1	21	-13.2	0.230	-9.000	-9.000	-999.	265.	83.6
0.47	0.92	1.00			2.10	130.	10.0	279.1	2.0		
09	01	01	1	22	-21.7	0.378	-9.000	-9.000	-999.	559.	226.5
0.47	0.92	1.00			3.10	132.	10.0	279.1	2.0		
09	01	01	1	23	-13.2	0.230	-9.000	-9.000	-999.	280.	83.6
0.47	0.92	1.00			2.10	130.	10.0	279.1	2.0		
09	01	01	1	24	-23.7	0.415	-9.000	-9.000	-999.	641.	272.2
0.47	0.92	1.00			3.36	150.	10.0	279.5	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 1 121. 1.76 278.4 99.0 -99.00 -99.00

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

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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):

PAREAL ,

*** DISCRETE CARTESIAN

RECEPTOR POINTS ***

MICROGRAMS/M**3			** CONC OF DPM	IN
			**	
X-COORD (M)	Y-COORD (M)	CONC		X-
COORD (M)	Y-COORD (M)	CONC		
576803.59	4232176.67	0.34579		
576811.69	4232175.61	0.31103		
576806.76	4232171.39	0.29770		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES
AVERAGED OVER 5 YEARS FOR SOURCE GROUP: LINE ***
INCLUDING SOURCE(S):

L0000001	, L0000002	, L0000003	, L0000004	, L0000005	,
	L0000006	, L0000007	, L0000008	,	
L0000009	, L0000010	, L0000011	, L0000012	, L0000013	,
	L0000014	, L0000015	, L0000016	,	
L0000017	, L0000018	, L0000019	, L0000020	, L0000021	,
	L0000022	, L0000023	, L0000024	,	
L0000025	, L0000026	, L0000027	, L0000028	, . . .	,

*** DISCRETE CARTESIAN

RECEPTOR POINTS ***

```

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

X-COORD (M)  Y-COORD (M)      CONC      X-
COORD (M)   Y-COORD (M)      CONC
-----
576803.59   4232176.67      0.00001
576811.69   4232175.61      0.00001
576806.76   4232171.39      0.00001

```

```

*** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\4498.0006
Solano CC Library\new\construction HR ***   01/12/18
*** AERMET - VERSION 14134 ***   ***
***   00:34:36

```

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*** 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 ***

```

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

X-COORD (M)  Y-COORD (M)      CONC      X-
COORD (M)   Y-COORD (M)      CONC
-----
576803.59   4232176.67      0.34580
576811.69   4232175.61      0.31104
576806.76   4232171.39      0.29771

```

```

*** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\4498.0006
Solano CC Library\new\construction HR ***   01/12/18
*** AERMET - VERSION 14134 ***   ***
***   00:34:36

```

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN


```

          9TH HIGHEST VALUE IS      0.00000 AT (      0.00,
0.00,      0.00,      0.00,      0.00)
          10TH HIGHEST VALUE IS     0.00000 AT (      0.00,
0.00,      0.00,      0.00,      0.00)

ALL      1ST HIGHEST VALUE IS      0.34580 AT ( 576803.59,
4232176.67,      11.00,      124.00,      0.00) DC
          2ND HIGHEST VALUE IS      0.31104 AT ( 576811.69,
4232175.61,      11.00,      124.00,      0.00) DC
          3RD HIGHEST VALUE IS      0.29771 AT ( 576806.76,
4232171.39,      11.00,      124.00,      0.00) DC
          4TH HIGHEST VALUE IS      0.00000 AT (      0.00,
0.00,      0.00,      0.00,      0.00)
          5TH HIGHEST VALUE IS      0.00000 AT (      0.00,
0.00,      0.00,      0.00,      0.00)
          6TH HIGHEST VALUE IS      0.00000 AT (      0.00,
0.00,      0.00,      0.00,      0.00)
          7TH HIGHEST VALUE IS      0.00000 AT (      0.00,
0.00,      0.00,      0.00,      0.00)
          8TH HIGHEST VALUE IS      0.00000 AT (      0.00,
0.00,      0.00,      0.00,      0.00)
          9TH HIGHEST VALUE IS      0.00000 AT (      0.00,
0.00,      0.00,      0.00,      0.00)
          10TH HIGHEST VALUE IS     0.00000 AT (      0.00,
0.00,      0.00,      0.00,      0.00)

```

```

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

```

```

*** AERMOD - VERSION 16216r ***      *** C:\Users\xli\Desktop\4498.0006
Solano CC Library\new\construction HR ***      01/12/18
*** AERMET - VERSION 14134 ***      ***
***      00:34:36

```

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```

*** 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     5334 Informational Message(s)

A Total of     43872 Hours Were Processed

A Total of      3700 Calm Hours Identified

```

A Total of 1634 Missing Hours Identified (3.72 Percent)

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

***** WARNING MESSAGES *****
CO W320 22 URB OPT: 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 ***
