Mace Ranch Innovation Center Project

SCH# 2014112012

Final Environmental Impact Report

Volume III of III
Appendices F (Part II) - I

Prepared for

January 2016

Prepared by

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APPENDIX F

Mace Ranch Innovation Center - Mixed-Use Alternative

Yolo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Enclosed Parking with Elevator	5.10	Acre	5.10	222,156.00	0
Hotel	150.00	Room	5.00	217,800.00	0
Apartments Mid Rise	850.00	Dwelling Unit	22.37	850,000.00	2431
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0
Parking Lot	34.85	Acre	34.85	1,518,066.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	54
Climate Zone	2			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	375.68	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - intensity factor for CO2 modified for PG&E RPS reduction

Land Use - *based on info provided by applicant

Construction Phase - *

Trips and VMT - 12 CY haul trucks would be used; haul site located 2 mi from off-site detention basin location

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (including Mace Triangle, with exception of PQP parcel) = 224.42 acres; plus 11 acres for off-site sewer improvements; 80 acres for off-site detention basin

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42
tblGrading	MaterialExported	0.00	130,000.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	375.68
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	16,250.00	10,833.00
tblVehicleTrips	CC_TL	6.60	3.57
tblVehicleTrips	CC_TL	6.60	3.57
tblVehicleTrips	CC_TL	6.60	3.57
tblVehicleTrips	CC_TL	6.60	3.57
tblVehicleTrips	CC_TL	6.60	3.57
tblVehicleTrips	CC_TL	6.60	3.57
tblVehicleTrips	CC_TL	6.60	3.57
tblVehicleTrips	CNW_TL	6.60	3.57
tblVehicleTrips	CNW_TL	6.60	3.57
tblVehicleTrips	CNW_TL	6.60	3.57
tblVehicleTrips	CNW_TL	6.60	3.57
tblVehicleTrips	CNW_TL	6.60	3.57

tblVehicleTrips	CNW_TL	6.60	3.57
tblVehicleTrips	CNW_TL	6.60	3.57
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	HO_TL	7.90	4.27
tblVehicleTrips	HS_TL	7.10	3.84
tblVehicleTrips	HW_TL	16.80	9.09

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9033	51.8729	40.4339	0.0416	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269	0.0000	4,204.8333	4,204.8333	1.2365	0.0000	4,230.7994
2018	5.7349	60.7103	51.1212	0.0671	18.2962	2.8004	20.6630	9.9917	2.5763	12.1692	0.0000	6,666.0407	6,666.0407	1.9472	0.0000	6,706.9326
2019	5.2885	55.2919	48.6468	0.0671	7.3909	2.5169	9.9078	3.5211	2.3155	5.8366	0.0000	6,551.8521	6,551.8521	1.9459	0.0000	6,592.7165
2020	32.0622	81.6773	282.9265	0.6070	41.1579	2.2234	43.3813	11.0222	2.0784	13.1006	0.0000	47,812.1690	47,812.1690	2.0274	0.0000	47,854.7450

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	30.3793	70.8654	266.1292	0.6066	41.1587	1.9677	43.1264	11.0225	1.8388	12.8613	0.0000	47,309.8712	47,309.8712	1.9577	0.0000	47,350.9836
2022	29.2929	63.8498	249.9940	0.6063	41.1596	1.7925	42.9521	11.0229	1.6742	12.6971	0.0000	46,868.3757	46,868.3757	1.9037	0.0000	46,908.3526
2023	27.7634	58.1345	226.9609	0.6057	41.1601	1.6285	42.7887	11.0231	1.5203	12.5434	0.0000	46,457.8177	46,457.8177	1.8464	0.0000	46,496.5924
2024	27.2209	56.1487	219.4577	0.6057	41.1612	1.5355	42.6967	11.0236	1.4319	12.4555	0.0000	46,119.1168	46,119.1168	1.8043	0.0000	46,157.0069
2025	26.6048	54.2486	210.1077	0.6056	41.1621	1.4432	42.6053	11.0239	1.3445	12.3685	0.0000	45,820.8122	45,820.8122	1.7685	0.0000	45,857.9505
2026	26.3140	53.4668	205.2841	0.6056	41.1626	1.4446	42.6072	11.0241	1.3458	12.3700	0.0000	45,563.8693	45,563.8693	1.7413	0.0000	45,600.4373
2027	26.1192	52.8435	201.7336	0.6056	41.1633	1.4468	42.6101	11.0244	1.3479	12.3723	0.0000	45,341.0958	45,341.0958	1.7171	0.0000	45,377.1539
2028	25.9148	52.2635	198.4015	0.6056	41.1638	1.4482	42.6121	11.0246	1.3492	12.3738	0.0000	45,148.9985	45,148.9985	1.6951	0.0000	45,184.5945
2029	25.7236	51.7398	195.4187	0.6057	41.1644	1.4491	42.6135	11.0248	1.3500	12.3749	0.0000	44,983.6905	44,983.6905	1.6738	0.0000	45,018.8404
2030	25.3631	46.4377	192.1947	0.6096	41.1647	1.0411	42.2058	11.0250	0.9731	11.9980	0.0000	45,182.0687	45,182.0687	1.1692	0.0000	45,206.6220
2031	25.2371	46.0216	190.2334	0.6097	41.1653	1.0417	42.2070	11.0252	0.9736	11.9988	0.0000	45,066.2032	45,066.2032	1.1516	0.0000	45,090.3875
2032	25.1218	45.6651	188.5229	0.6097	41.1659	1.0421	42.2080	11.0255	0.9739	11.9994	0.0000	44,970.1130	44,970.1130	1.1361	0.0000	44,993.9705
2033	24.9872	45.3370	186.9944	0.6097	41.1665	1.0422	42.2086	11.0257	0.9740	11.9997	0.0000	44,890.5480	44,890.5480	1.1229	0.0000	44,914.1290
2034	24.8453	45.0638	185.6053	0.6098	41.1669	1.0419	42.2088	11.0259	0.9738	11.9997	0.0000	44,823.5242	44,823.5242	1.1105	0.0000	44,846.8448
2035	24.5872	43.9697	184.3104	0.6098	41.1673	0.9733	42.1406	11.0260	0.9053	11.9313	0.0000	44,767.6771	44,767.6771	1.0904	0.0000	44,790.5747
Total	**443.4633**	**1,035.6080**	**3,524.4769**	**9.8933**	**702.5936**	**30.6347**	**732.7948**	**199.8938**	**28.4817**	**227.9768**	**0.0000**	**748,548.6769**	**748,548.6769**	**30.0456**	**0.0000**	**749,179.6341**

2.1 Overall Construction (Maximum Daily Emission)

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					
2017	4.9033	51.8729	40.4339	0.0416	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269	0.0000	4,204.8333	4,204.8333	1.2365	0.0000	4,230.7994
2018	5.7349	60.7103	51.1212	0.0671	18.2962	2.8004	20.6630	9.9917	2.5763	12.1692	0.0000	6,666.0407	6,666.0407	1.9472	0.0000	6,706.9326
2019	5.2885	55.2919	48.6468	0.0671	7.3909	2.5169	9.9078	3.5211	2.3155	5.8366	0.0000	6,551.8521	6,551.8521	1.9459	0.0000	6,592.7165
2020	32.0622	81.6773	282.9265	0.6070	41.1579	2.2234	43.3813	11.0222	2.0784	13.1006	0.0000	47,812.1690	47,812.1690	2.0274	0.0000	47,854.7450
2021	30.3793	70.8654	266.1292	0.6066	41.1587	1.9677	43.1264	11.0225	1.8388	12.8613	0.0000	47,309.8712	47,309.8712	1.9577	0.0000	47,350.9836
2022	29.2929	63.8498	249.9940	0.6063	41.1596	1.7925	42.9521	11.0229	1.6742	12.6971	0.0000	46,868.3757	46,868.3757	1.9037	0.0000	46,908.3526
2023	27.7634	58.1345	226.9609	0.6057	41.1601	1.6285	42.7887	11.0231	1.5203	12.5434	0.0000	46,457.8177	46,457.8177	1.8464	0.0000	46,496.5924
2024	27.2209	56.1487	219.4577	0.6057	41.1612	1.5355	42.6967	11.0236	1.4319	12.4555	0.0000	46,119.1168	46,119.1168	1.8043	0.0000	46,157.0069
2025	26.6048	54.2486	210.1077	0.6056	41.1621	1.4432	42.6053	11.0239	1.3445	12.3685	0.0000	45,820.8122	45,820.8122	1.7685	0.0000	45,857.9505
2026	26.3140	53.4668	205.2841	0.6056	41.1626	1.4446	42.6072	11.0241	1.3458	12.3700	0.0000	45,563.8693	45,563.8693	1.7413	0.0000	45,600.4373
2027	26.1192	52.8435	201.7336	0.6056	41.1633	1.4468	42.6101	11.0244	1.3479	12.3723	0.0000	45,341.0958	45,341.0958	1.7171	0.0000	45,377.1539
2028	25.9148	52.2635	198.4015	0.6056	41.1638	1.4482	42.6121	11.0246	1.3492	12.3738	0.0000	45,148.9985	45,148.9985	1.6951	0.0000	45,184.5945
2029	25.7236	51.7398	195.4187	0.6057	41.1644	1.4491	42.6135	11.0248	1.3500	12.3749	0.0000	44,983.6905	44,983.6905	1.6738	0.0000	45,018.8404
2030	25.3631	46.4377	192.1947	0.6096	41.1647	1.0411	42.2058	11.0250	0.9731	11.9980	0.0000	45,182.0687	45,182.0687	1.1692	0.0000	45,206.6220
2031	25.2371	46.0216	190.2334	0.6097	41.1653	1.0417	42.2070	11.0252	0.9736	11.9988	0.0000	45,066.2032	45,066.2032	1.1516	0.0000	45,090.3875
2032	25.1218	45.6651	188.5229	0.6097	41.1659	1.0421	42.2080	11.0255	0.9739	11.9994	0.0000	44,970.1130	44,970.1130	1.1361	0.0000	44,993.9705
2033	24.9872	45.3370	186.9944	0.6097	41.1665	1.0422	42.2086	11.0257	0.9740	11.9997	0.0000	44,890.5480	44,890.5480	1.1229	0.0000	44,914.1290
2034	24.8453	45.0638	185.6053	0.6098	41.1669	1.0419	42.2088	11.0259	0.9738	11.9997	0.0000	44,823.5242	44,823.5242	1.1105	0.0000	44,846.8448

	ROG	NOx	CO	SO2	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					
2035	24.5872	43.9697	184.3104	0.6098	41.1673	0.9733	42.1406	11.0260	0.9053	11.9313	0.0000	44,767.6771	44,767.6771	1.0904	0.0000	44,790.5747
Total	**443.4633**	**1,035.6080**	**3,524.4769**	**9.8933**	**702.5936**	**30.6347**	**732.7948**	**199.8938**	**28.4817**	**227.9768**	**0.0000**	**748,548.6769**	**748,548.6769**	**30.0456**	**0.0000**	**749,179.6341**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2,058.7080	27.0335	2,448.6235	0 9488		334.3777	334.3777		334.3711	334.3711	35,089.1179	10,026.8725	45,115.9904	32.9152	2.6622	46,632.4958
Energy	1.8906	17.0505	13.4349	0.1031		1.3062	1.3062		1.3062	1.3062		20,624.5999	20,624.5999	0.3953	0.3781	20,750.1177
Mobile	56.8647	105.7992	598.7005	1.4907	99.5815	2.2167	101.7983	26.7199	2.0452	28.7651		109,570 5580	109,570.5580	2.6426		109,626.0530
Total	**2,117.4633**	**149.8831**	**3,060.7589**	**2.5426**	**99.5815**	**337.9006**	**437.4822**	**26.7199**	**337.7225**	**364.4424**	**35,089.1179**	**140,222.0304**	**175,311.1482**	**35.9531**	**3.0403**	**177,008.6665**

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	125.1397	0 8088	70.2403	3.7200e-003		1.4159	1.4159		1.4051	1.4051	0.0000	16,326.8725	16,326.8725	0.4323	0.2970	16,428.0199
Energy	1.3385	12.0658	9.4683	0.0730		0.9248	0.9248		0.9248	0.9248		14,602.2673	14,602.2673	0.2799	0.2677	14,691.1342
Mobile	56.8647	105.7992	598.7005	1.4907	99.5815	2.2167	101.7983	26.7199	2.0452	28.7651		109,570 5580	109,570.5580	2.6426		109,626.0530
Total	**183.3429**	**118.6738**	**678.4090**	**1.5675**	**99.5815**	**4.5574**	**104.1390**	**26.7199**	**4.3751**	**31.0950**	**0.0000**	**140,499.6978**	**140,499.6978**	**3.3548**	**0.5647**	**140,745.2071**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**91.34**	**20.82**	**77.84**	**38.35**	**0.00**	**98.65**	**76.20**	**0.00**	**98.70**	**91.47**	**100.00**	**-0.20**	**19.86**	**90.67**	**81.43**	**20.49**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 1,721,250; Residential Outdoor: 573,750; Non-Residential Indoor: 4,615,035; Non-Residential Outdoor: 1,538,345 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,355.00	836.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	471.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

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	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	**4.8382**	**51.7535**	**39.3970**	**0.0391**	**18.0663**	**2.7542**	**20.8205**	**9.9307**	**2.5339**	**12.4646**		**4,003.0859**	**4,003.0859**	**1.2265**		**4,028.8432**

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	0.0651	0.1195	1.0368	2 5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624		201.7474	201.7474	9.9500e-003		201.9562
Total	**0.0651**	**0.1195**	**1.0368**	**2.5400e-003**	**0.2299**	**1.5000e-003**	**0.2314**	**0.0610**	**1.3800e-003**	**0.0624**		**201.7474**	**201.7474**	**9.9500e-003**		**201.9562**

3.2 Site Preparation - 2017

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	**4.8382**	**51.7535**	**39.3970**	**0.0391**	**18.0663**	**2.7542**	**20.8205**	**9.9307**	**2.5339**	**12.4646**	**0.0000**	**4,003.0859**	**4,003.0859**	**1.2265**		**4,028.8432**

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	0.0651	0.1195	1.0368	2 5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624		201.7474	201.7474	9.9500e-003		201.9562
Total	**0.0651**	**0.1195**	**1.0368**	**2.5400e-003**	**0.2299**	**1.5000e-003**	**0.2314**	**0.0610**	**1.3800e-003**	**0.0624**		**201.7474**	**201.7474**	**9.9500e-003**		**201.9562**

3.2 Site Preparation - 2018

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	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762		3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**		**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

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	0.0572	0.1074	0.9191	2 5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623		194.1898	194.1898	9.1600e-003		194.3821
Total	**0.0572**	**0.1074**	**0.9191**	**2.5300e-003**	**0.2299**	**1.4600e-003**	**0.2314**	**0.0610**	**1.3500e-003**	**0.0623**		**194.1898**	**194.1898**	**9.1600e-003**		**194.3821**

3.2 Site Preparation - 2018

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762	0.0000	3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**	**0.0000**	**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

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	0.0572	0.1074	0.9191	2 5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623		194.1898	194.1898	9.1600e-003		194.3821
Total	**0.0572**	**0.1074**	**0.9191**	**2.5300e-003**	**0.2299**	**1.4600e-003**	**0.2314**	**0.0610**	**1.3500e-003**	**0.0623**		**194.1898**	**194.1898**	**9.1600e-003**		**194.3821**

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	5.2895	59 5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.8042	6,212.8042	1.9341		6,253.4209
Total	**5.2895**	**59.5338**	**42.3068**	**0.0617**	**7.0303**	**2.7880**	**9.8183**	**3.4261**	**2.5650**	**5.9911**		**6,212.8042**	**6,212.8042**	**1.9341**		**6,253.4209**

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	0.3818	1.0572	7.7933	2 5500e-003	0.0716	0.0107	0.0823	0.0190	9.8300e-003	0.0288		237.4702	237.4702	2.9200e-003		237.5316
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	0.0635	0.1194	1.0212	2 8200e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692		215.7664	215.7664	0.0102		215.9802
Total	**0.4453**	**1.1765**	**8.8144**	**5.3700e-003**	**0.3270**	**0.0123**	**0.3393**	**0.0867**	**0.0113**	**0.0981**		**453.2366**	**453.2366**	**0.0131**		**453.5117**

3.3 Grading - 2018

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					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	5.2895	59 5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650	0.0000	6,212.8041	6,212.8041	1.9341		6,253.4209
Total	**5.2895**	**59.5338**	**42.3068**	**0.0617**	**7.0303**	**2.7880**	**9.8183**	**3.4261**	**2.5650**	**5.9911**	**0.0000**	**6,212.8041**	**6,212.8041**	**1.9341**		**6,253.4209**

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	0.3818	1.0572	7.7933	2 5500e-003	0.0716	0.0107	0.0823	0.0190	9.8300e-003	0.0288		237.4702	237.4702	2.9200e-003		237.5316
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	0.0635	0.1194	1.0212	2 8200e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692		215.7664	215.7664	0.0102		215.9802
Total	**0.4453**	**1.1765**	**8.8144**	**5.3700e-003**	**0.3270**	**0.0123**	**0.3393**	**0.0867**	**0.0113**	**0.0981**		**453.2366**	**453.2366**	**0.0131**		**453.5117**

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045		6,111.3121	6,111.3121	1.9336		6,151.9167
Total	**4.8912**	**54.1978**	**40.2888**	**0.0617**	**7.0303**	**2.5049**	**9.5352**	**3.4261**	**2.3045**	**5.7306**		**6,111.3121**	**6,111.3121**	**1.9336**		**6,151.9167**

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	0.3402	0.9853	7.4373	2 5400e-003	0.1051	0.0104	0.1155	0.0272	9.5500e-003	0.0368		233.2558	233 2558	2.9400e-003		233.3175
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	0.0571	0.1088	0.9206	2 8000e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692		207.2842	207 2842	9.4300e-003		207.4823
Total	**0.3973**	**1.0941**	**8.3579**	**5.3400e-003**	**0.3606**	**0.0120**	**0.3726**	**0.0950**	**0.0110**	**0.1060**		**440.5400**	**440.5400**	**0.0124**		**440.7998**

3.3 Grading - 2019

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					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	6,111.3121	6,111.3121	1.9336		6,151.9167
Total	**4.8912**	**54.1978**	**40.2888**	**0.0617**	**7.0303**	**2.5049**	**9.5352**	**3.4261**	**2.3045**	**5.7306**	**0.0000**	**6,111.3121**	**6,111.3121**	**1.9336**		**6,151.9167**

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	0.3402	0.9853	7.4373	2 5400e-003	0.1051	0.0104	0.1155	0.0272	9.5500e-003	0.0368		233.2558	233 2558	2.9400e-003		233.3175
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	0.0571	0.1088	0.9206	2 8000e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692		207.2842	207 2842	9.4300e-003		207.4823
Total	**0.3973**	**1.0941**	**8.3579**	**5.3400e-003**	**0.3606**	**0.0120**	**0.3726**	**0.0950**	**0.0110**	**0.1060**		**440.5400**	**440.5400**	**0.0124**		**440.7998**

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14 9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7576**	**14.9353**	**14.3652**	**0.0223**		**0.8094**	**0.8094**		**0.7447**	**0.7447**		**2,208.9731**	**2,208.9731**	**0.6989**		**2,223.6499**

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	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519		155.4632	155.4632	7.0800e-003		155.6117
Total	**0.0428**	**0.0816**	**0.6905**	**2.1000e-003**	**0.1916**	**1.1900e-003**	**0.1928**	**0.0508**	**1.1000e-003**	**0.0519**		**155.4632**	**155.4632**	**7.0800e-003**		**155.6117**

3.4 Paving - 2019

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	1.4259	14 9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.973 1	2,208.973 1	0.6989		2,223.649 9
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7576**	**14.9353**	**14.3652**	**0.0223**		**0.8094**	**0.8094**		**0.7447**	**0.7447**	**0.0000**	**2,208.973 1**	**2,208.973 1**	**0.6989**		**2,223.649 9**

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	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519		155.4632	155.4632	7.0800e-003		155.6117
Total	**0.0428**	**0.0816**	**0.6905**	**2.1000e-003**	**0.1916**	**1.1900e-003**	**0.1928**	**0.0508**	**1.1000e-003**	**0.0519**		**155.4632**	**155.4632**	**7.0800e-003**		**155.6117**

3.4 Paving - 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	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799		2,160.7571	2,160.7571	0.6988		2,175.4326
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6618**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**		**2,160.7571**	**2,160.7571**	**0.6988**		**2,175.4326**

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	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		149.2939	149 2939	6.6700e-003		149.4340
Total	**0.0394**	**0.0751**	**0.6324**	**2.1000e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**		**149.2939**	**149.2939**	**6.6700e-003**		**149.4340**

3.4 Paving - 2020

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	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799	0.0000	2,160.7571	2,160.7571	0.6988		2,175.4326
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6618**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**	**0.0000**	**2,160.7571**	**2,160.7571**	**0.6988**		**2,175.4326**

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	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		149.2939	149 2939	6.6700e-003		149.4340
Total	**0.0394**	**0.0751**	**0.6324**	**2.1000e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**		**149.2939**	**149.2939**	**6.6700e-003**		**149.4340**

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**		**2,542.4799**	**2,542.4799**	**0.6194**		**2,555.4880**

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	8.4507	46.7602	145.1415	0.1812	5.0613	0.7780	5.8393	1.4497	0.7156	2.1653		16,861.2687	16,861.2687	0.1296		16,863.9892
Worker	6.1825	11.7911	99.2876	0.3301	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		23,439.1436	23,439.1436	1.0472		23,461.1351
Total	**14.6332**	**58.5513**	**244.4291**	**0.5113**	**35.1418**	**0.9627**	**36.1045**	**9.4268**	**0.8868**	**10.3136**		**40,300.4123**	**40,300.4123**	**1.1768**		**40,325.1243**

3.5 Building Construction - 2020

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**	**0.0000**	**2,542.4799**	**2,542.4799**	**0.6194**		**2,555.4880**

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	8.4507	46.7602	145.1415	0.1812	5.0613	0.7780	5.8393	1.4497	0.7156	2.1653		16,861.2687	16,861.2687	0.1296		16,863.9892
Worker	6.1825	11.7911	99.2876	0.3301	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		23,439.1436	23,439.1436	1.0472		23,461.1351
Total	**14.6332**	**58.5513**	**244.4291**	**0.5113**	**35.1418**	**0.9627**	**36.1045**	**9.4268**	**0.8868**	**10.3136**		**40,300.4123**	**40,300.4123**	**1.1768**		**40,325.1243**

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	1.8931	17 3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	**1.8931**	**17.3403**	**16.5376**	**0.0268**		**0.9549**	**0.9549**		**0.8979**	**0.8979**		**2,542.7817**	**2,542.7817**	**0.6126**		**2,555.6462**

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	7.4388	38.7903	136.5193	0.1807	5.0621	0.6972	5.7593	1.4501	0.6414	2.0915		16,834.2565	16,834.2565	0.1284		16,836.9531
Worker	5.8246	11.0067	92.7123	0.3301	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		23,042.8208	23,042.8208	0.9978		23,063.7755
Total	**13.2633**	**49.7970**	**229.2316**	**0.5108**	**35.1426**	**0.8818**	**36.0244**	**9.4271**	**0.8126**	**10.2397**		**39,877.0772**	**39,877.0772**	**1.1263**		**39,900.7287**

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17 3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	**1.8931**	**17.3403**	**16.5376**	**0.0268**		**0.9549**	**0.9549**		**0.8979**	**0.8979**	**0.0000**	**2,542.7817**	**2,542.7817**	**0.6126**		**2,555.6462**

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	7.4388	38.7903	136.5193	0.1807	5.0621	0.6972	5.7593	1.4501	0.6414	2.0915		16,834.2565	16,834.2565	0.1284		16,836.9531
Worker	5.8246	11.0067	92.7123	0.3301	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		23,042.8208	23,042.8208	0.9978		23,063.7755
Total	**13.2633**	**49.7970**	**229.2316**	**0.5108**	**35.1426**	**0.8818**	**36.0244**	**9.4271**	**0.8126**	**10.2397**		**39,877.0772**	**39,877.0772**	**1.1263**		**39,900.7287**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15 5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
Total	**1.6992**	**15.5364**	**16.3276**	**0.0268**		**0.8057**	**0.8057**		**0.7581**	**0.7581**		**2,543.7497**	**2,543.7497**	**0.6085**		**2,556.5286**

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	6.9374	34 5084	127.5367	0.1804	5.0630	0.6831	5.7461	1.4504	0.6285	2.0789		16,822.4038	16,822.4038	0.1302		16,825.1387
Worker	5.5107	10 3304	86.9301	0.3300	30.0805	0.1849	30.2655	7.9771	0.1715	8.1486		22,683.9784	22,683.9784	0.9555		22,704.0437
Total	**12.4480**	**44.8388**	**214.4668**	**0.5105**	**35.1435**	**0.8680**	**36.0116**	**9.4275**	**0.8000**	**10.2275**		**39,506.3823**	**39,506.3823**	**1.0857**		**39,529.1824**

3.5 Building Construction - 2022

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	1.6992	15 5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
Total	**1.6992**	**15.5364**	**16.3276**	**0.0268**		**0.8057**	**0.8057**		**0.7581**	**0.7581**	**0.0000**	**2,543.7497**	**2,543.7497**	**0.6085**		**2,556.5286**

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	6.9374	34 5084	127.5367	0.1804	5.0630	0.6831	5.7461	1.4504	0.6285	2.0789		16,822.4038	16,822.4038	0.1302		16,825.1387
Worker	5.5107	10 3304	86.9301	0.3300	30.0805	0.1849	30.2655	7.9771	0.1715	8.1486		22,683.9784	22,683.9784	0.9555		22,704.0437
Total	**12.4480**	**44.8388**	**214.4668**	**0.5105**	**35.1435**	**0.8680**	**36.0116**	**9.4275**	**0.8000**	**10.2275**		**39,506.3823**	**39,506.3823**	**1.0857**		**39,529.1824**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14 3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.6262	2,544.6262	0.6044		2,557.3191
Total	**1.5661**	**14.3126**	**16.2093**	**0.0268**		**0.6967**	**0.6967**		**0.6557**	**0.6557**		**2,544.6262**	**2,544.6262**	**0.6044**		**2,557.3191**

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	5.9029	30 8423	110.9979	0.1799	5.0635	0.6386	5.7021	1.4507	0.5875	2.0382		16,799.8418	16,799.8418	0.1234		16,802.4333
Worker	5.2198	9.7305	81.6189	0.3300	30.0805	0.1853	30.2658	7.9771	0.1719	8.1490		22,359.9180	22,359.9180	0.9181		22,379.1986
Total	**11.1226**	**40.5728**	**192.6168**	**0.5099**	**35.1440**	**0.8239**	**35.9680**	**9.4277**	**0.7594**	**10.1871**		**39,159.7598**	**39,159.7598**	**1.0415**		**39,181.6319**

3.5 Building Construction - 2023

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	1.5661	14 3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.6262	2,544.6262	0.6044		2,557.3191
Total	**1.5661**	**14.3126**	**16.2093**	**0.0268**		**0.6967**	**0.6967**		**0.6557**	**0.6557**	**0.0000**	**2,544.6262**	**2,544.6262**	**0.6044**		**2,557.3191**

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	5.9029	30 8423	110.9979	0.1799	5.0635	0.6386	5.7021	1.4507	0.5875	2.0382		16,799.8418	16,799.8418	0.1234		16,802.4333
Worker	5.2198	9.7305	81.6189	0.3300	30.0805	0.1853	30.2658	7.9771	0.1719	8.1490		22,359.9180	22,359.9180	0.9181		22,379.1986
Total	**11.1226**	**40.5728**	**192.6168**	**0.5099**	**35.1440**	**0.8239**	**35.9680**	**9.4277**	**0.7594**	**10.1871**		**39,159.7598**	**39,159.7598**	**1.0415**		**39,181.6319**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13 3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
Total	**1.4653**	**13.3774**	**16.1332**	**0.0268**		**0.6106**	**0.6106**		**0.5744**	**0.5744**		**2,545.1154**	**2,545.1154**	**0.6009**		**2,557.7349**

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	5.7714	30.4839	108.6165	0.1799	5.0646	0.6407	5.7053	1.4511	0.5895	2.0406		16,805.8590	16,805.8590	0.1238		16,808.4593
Worker	4.9703	9.2239	77.4149	0.3300	30.0805	0.1861	30.2666	7.9771	0.1726	8.1497		22,072.2453	22,072.2453	0.8864		22,090.8599
Total	**10.7417**	**39.7078**	**186.0314**	**0.5099**	**35.1451**	**0.8268**	**35.9719**	**9.4281**	**0.7621**	**10.1902**		**38,878.1043**	**38,878.1043**	**1.0102**		**38,899.3192**

3.5 Building Construction - 2024

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	1.4653	13 3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
Total	**1.4653**	**13.3774**	**16.1332**	**0.0268**		**0.6106**	**0.6106**		**0.5744**	**0.5744**	**0.0000**	**2,545.1154**	**2,545.1154**	**0.6009**		**2,557.7349**

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	5.7714	30.4839	108.6165	0.1799	5.0646	0.6407	5.7053	1.4511	0.5895	2.0406		16,805.8590	16,805.8590	0.1238		16,808.4593
Worker	4.9703	9.2239	77.4149	0.3300	30.0805	0.1861	30.2666	7.9771	0.1726	8.1497		22,072.2453	22,072.2453	0.8864		22,090.8599
Total	**10.7417**	**39.7078**	**186.0314**	**0.5099**	**35.1451**	**0.8268**	**35.9719**	**9.4281**	**0.7621**	**10.1902**		**38,878.1043**	**38,878.1043**	**1.0102**		**38,899.3192**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.5214	30.1385	103.5208	0.1799	5.0655	0.6420	5.7076	1.4515	0.5907	2.0422		16,810.1263	16,810.1263	0.1242		16,812.7333
Worker	4.7600	8.7958	73.9383	0.3299	30.0805	0.1872	30.2677	7.9771	0.1737	8.1507		21,819.4562	21,819.4562	0.8596		21,837.5068
Total	**10.2814**	**38.9343**	**177.4591**	**0.5098**	**35.1460**	**0.8293**	**35.9753**	**9.4285**	**0.7644**	**10.1929**		**38,629.5824**	**38,629.5824**	**0.9837**		**38,650.2402**

3.5 Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.5214	30.1385	103.5208	0.1799	5.0655	0.6420	5.7076	1.4515	0.5907	2.0422		16,810.1263	16,810.1263	0.1242		16,812.7333
Worker	4.7600	8.7958	73.9383	0.3299	30.0805	0.1872	30.2677	7.9771	0.1737	8.1507		21,819.4562	21,819.4562	0.8596		21,837.5068
Total	**10.2814**	**38.9343**	**177.4591**	**0.5098**	**35.1460**	**0.8293**	**35.9753**	**9.4285**	**0.7644**	**10.1929**		**38,629.5824**	**38,629.5824**	**0.9837**		**38,650.2402**

3.5 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4523	29.7888	102.1634	0.1799	5.0660	0.6415	5.7075	1.4517	0.5902	2.0418		16,814.4005	16,814.4005	0.1242		16,817.0094
Worker	4.5753	8.4357	71.0499	0.3299	30.0805	0.1888	30.2693	7.9771	0.1752	8.1523		21,601.7752	21,601.7752	0.8369		21,619.3490
Total	**10.0276**	**38.2245**	**173.2132**	**0.5098**	**35.1465**	**0.8303**	**35.9768**	**9.4287**	**0.7654**	**10.1941**		**38,416.1757**	**38,416.1757**	**0.9611**		**38,436.3585**

3.5 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4523	29.7888	102.1634	0.1799	5.0660	0.6415	5.7075	1.4517	0.5902	2.0418		16,814.4005	16,814.4005	0.1242		16,817.0094
Worker	4.5753	8.4357	71.0499	0.3299	30.0805	0.1888	30.2693	7.9771	0.1752	8.1523		21,601.7752	21,601.7752	0.8369		21,619.3490
Total	**10.0276**	**38.2245**	**173.2132**	**0.5098**	**35.1465**	**0.8303**	**35.9768**	**9.4287**	**0.7654**	**10.1941**		**38,416.1757**	**38,416.1757**	**0.9611**		**38,436.3585**

3.5 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4649	29 5523	101.6871	0.1799	5.0667	0.6421	5.7087	1.4519	0.5907	2.0427		16,819.0171	16,819.0171	0.1245		16,821.6308
Worker	4.4025	8.1134	68.4880	0.3299	30.0805	0.1902	30.2707	7.9771	0.1765	8.1535		21,412.2835	21,412.2835	0.8164		21,429.4284
Total	**9.8673**	**37.6657**	**170.1751**	**0.5098**	**35.1472**	**0.8323**	**35.9795**	**9.4290**	**0.7672**	**10.1962**		**38,231.3006**	**38,231.3006**	**0.9409**		**38,251.0592**

3.5 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4649	29 5523	101.6871	0.1799	5.0667	0.6421	5.7087	1.4519	0.5907	2.0427		16,819.0171	16,819.0171	0.1245		16,821.6308
Worker	4.4025	8.1134	68.4880	0.3299	30.0805	0.1902	30.2707	7.9771	0.1765	8.1535		21,412.2835	21,412.2835	0.8164		21,429.4284
Total	**9.8673**	**37.6657**	**170.1751**	**0.5098**	**35.1472**	**0.8323**	**35.9795**	**9.4290**	**0.7672**	**10.1962**		**38,231.3006**	**38,231.3006**	**0.9409**		**38,251.0592**

3.5 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4511	29 3269	101.0662	0.1800	5.0672	0.6420	5.7093	1.4522	0.5907	2.0428		16,822.8310	16,822.8310	0.1246		16,825.4469
Worker	4.2436	7.8178	66.2287	0.3299	30.0805	0.1914	30.2719	7.9771	0.1776	8.1546		21,249.0241	21,249.0241	0.7980		21,265.7822
Total	**9.6947**	**37.1447**	**167.2949**	**0.5099**	**35.1477**	**0.8334**	**35.9812**	**9.4292**	**0.7682**	**10.1975**		**38,071.8551**	**38,071.8551**	**0.9226**		**38,091.2291**

3.5 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4511	29 3269	101.0662	0.1800	5.0672	0.6420	5.7093	1.4522	0.5907	2.0428		16,822.8310	16,822.8310	0.1246		16,825.4469
Worker	4.2436	7.8178	66.2287	0.3299	30.0805	0.1914	30.2719	7.9771	0.1776	8.1546		21,249.0241	21,249.0241	0.7980		21,265.7822
Total	**9.6947**	**37.1447**	**167.2949**	**0.5099**	**35.1477**	**0.8334**	**35.9812**	**9.4292**	**0.7682**	**10.1975**		**38,071.8551**	**38,071.8551**	**0.9226**		**38,091.2291**

3.5 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4466	29.1464	100.7000	0.1800	5.0678	0.6419	5.7096	1.4524	0.5906	2.0429		16,826.0582	16,826.0582	0.1247		16,828.6759
Worker	4.0880	7.5318	64.0481	0.3299	30.0805	0.1923	30.2728	7.9771	0.1784	8.1554		21,108.5781	21,108.5781	0.7802		21,124.9629
Total	**9.5346**	**36.6782**	**164.7481**	**0.5099**	**35.1483**	**0.8342**	**35.9824**	**9.4294**	**0.7689**	**10.1984**		**37,934.6363**	**37,934.6363**	**0.9049**		**37,953.6388**

3.5 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4466	29.1464	100.7000	0.1800	5.0678	0.6419	5.7096	1.4524	0.5906	2.0429		16,826.0582	16,826.0582	0.1247		16,828.6759
Worker	4.0880	7.5318	64.0481	0.3299	30.0805	0.1923	30.2728	7.9771	0.1784	8.1554		21,108.5781	21,108.5781	0.7802		21,124.9629
Total	**9.5346**	**36.6782**	**164.7481**	**0.5099**	**35.1483**	**0.8342**	**35.9824**	**9.4294**	**0.7689**	**10.1984**		**37,934.6363**	**37,934.6363**	**0.9049**		**37,953.6388**

3.5 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.3525	28 9253	99.5649	0.1800	5.0681	0.6416	5.7098	1.4525	0.5903	2.0428		16,827.8242	16,827.8242	0.1247		16,830.4434
Worker	3.9472	7.2818	62.2506	0.3299	30.0805	0.1930	30.2735	7.9771	0.1790	8.1561		20,989.9721	20,989.9721	0.7644		21,006.0247
Total	**9.2998**	**36.2071**	**161.8155**	**0.5099**	**35.1486**	**0.8346**	**35.9832**	**9.4296**	**0.7693**	**10.1989**		**37,817.7962**	**37,817.7962**	**0.8891**		**37,836.4681**

3.5 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.3525	28 9253	99.5649	0.1800	5.0681	0.6416	5.7098	1.4525	0.5903	2.0428		16,827.8242	16,827.8242	0.1247		16,830.4434
Worker	3.9472	7.2818	62.2506	0.3299	30.0805	0.1930	30.2735	7.9771	0.1790	8.1561		20,989.9721	20,989.9721	0.7644		21,006.0247
Total	**9.2998**	**36.2071**	**161.8155**	**0.5099**	**35.1486**	**0.8346**	**35.9832**	**9.4296**	**0.7693**	**10.1989**		**37,817.7962**	**37,817.7962**	**0.8891**		**37,836.4681**

3.5 Building Construction - 2031

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.3867	28.7969	99.6086	0.1800	5.0687	0.6418	5.7106	1.4528	0.5905	2.0433		16,831.7261	16,831.7261	0.1248		16,834.3474
Worker	3.8138	7.0422	60.5798	0.3299	30.0805	0.1933	30.2738	7.9771	0.1793	8.1564		20,890.1660	20,890.1660	0.7497		20,905.9092
Total	**9.2005**	**35.8390**	**160.1884**	**0.5099**	**35.1492**	**0.8351**	**35.9843**	**9.4298**	**0.7698**	**10.1996**		**37,721.8920**	**37,721.8920**	**0.8745**		**37,740.2567**

3.5 Building Construction - 2031

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.3867	28.7969	99.6086	0.1800	5.0687	0.6418	5.7106	1.4528	0.5905	2.0433		16,831.7261	16,831.7261	0.1248		16,834.3474
Worker	3.8138	7.0422	60.5798	0.3299	30.0805	0.1933	30.2738	7.9771	0.1793	8.1564		20,890.1660	20,890.1660	0.7497		20,905.9092
Total	**9.2005**	**35.8390**	**160.1884**	**0.5099**	**35.1492**	**0.8351**	**35.9843**	**9.4298**	**0.7698**	**10.1996**		**37,721.8920**	**37,721.8920**	**0.8745**		**37,740.2567**

3.5 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.4172	28.6918	99.6270	0.1801	5.0693	0.6421	5.7114	1.4530	0.5907	2.0437		16,835.8387	16,835.8387	0.1249		16,838.4620
Worker	3.6923	6.8326	59.1390	0.3299	30.0805	0.1934	30.2739	7.9771	0.1794	8.1565		20,806.6636	20,806.6636	0.7366		20,822.1329
Total	**9.1094**	**35.5244**	**158.7660**	**0.5099**	**35.1498**	**0.8355**	**35.9853**	**9.4301**	**0.7701**	**10.2002**		**37,642.5023**	**37,642.5023**	**0.8616**		**37,660.5950**

3.5 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.4172	28.6918	99.6270	0.1801	5.0693	0.6421	5.7114	1.4530	0.5907	2.0437		16,835.8387	16,835.8387	0.1249		16,838.4620
Worker	3.6923	6.8326	59.1390	0.3299	30.0805	0.1934	30.2739	7.9771	0.1794	8.1565		20,806.6636	20,806.6636	0.7366		20,822.1329
Total	**9.1094**	**35.5244**	**158.7660**	**0.5099**	**35.1498**	**0.8355**	**35.9853**	**9.4301**	**0.7701**	**10.2002**		**37,642.5023**	**37,642.5023**	**0.8616**		**37,660.5950**

3.5 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.4184	28 5705	99.5014	0.1801	5.0699	0.6421	5.7119	1.4532	0.5907	2.0439		16,839.2332	16,839.2332	0.1250		16,841.8577
Worker	3.5791	6.6603	57.9700	0.3299	30.0805	0.1935	30.2740	7.9771	0.1795	8.1566		20,737.5307	20,737.5307	0.7256		20,752.7686
Total	**8.9974**	**35.2308**	**157.4714**	**0.5100**	**35.1504**	**0.8356**	**35.9859**	**9.4303**	**0.7702**	**10.2005**		**37,576.7639**	**37,576.7639**	**0.8506**		**37,594.6264**

3.5 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.4184	28 5705	99.5014	0.1801	5.0699	0.6421	5.7119	1.4532	0.5907	2.0439		16,839.2332	16,839.2332	0.1250		16,841.8577
Worker	3.5791	6.6603	57.9700	0.3299	30.0805	0.1935	30.2740	7.9771	0.1795	8.1566		20,737.5307	20,737.5307	0.7256		20,752.7686
Total	**8.9974**	**35.2308**	**157.4714**	**0.5100**	**35.1504**	**0.8356**	**35.9859**	**9.4303**	**0.7702**	**10.2005**		**37,576.7639**	**37,576.7639**	**0.8506**		**37,594.6264**

3.5 Building Construction - 2034

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.4139	28.4711	99.4560	0.1801	5.0703	0.6420	5.7123	1.4534	0.5906	2.0440		16,842.3270	16,842.3270	0.1250		16,844.9525
Worker	3.4646	6.5155	56.8502	0.3299	30.0805	0.1933	30.2739	7.9771	0.1794	8.1564		20,679.0994	20,679.0994	0.7152		20,694.1195
Total	**8.8785**	**34.9866**	**156.3062**	**0.5100**	**35.1508**	**0.8353**	**35.9862**	**9.4305**	**0.7700**	**10.2005**		**37,521.4263**	**37,521.4263**	**0.8403**		**37,539.0720**

3.5 Building Construction - 2034

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.4139	28.4711	99.4560	0.1801	5.0703	0.6420	5.7123	1.4534	0.5906	2.0440		16,842.3270	16,842.3270	0.1250		16,844.9525
Worker	3.4646	6.5155	56.8502	0.3299	30.0805	0.1933	30.2739	7.9771	0.1794	8.1564		20,679.0994	20,679.0994	0.7152		20,694.1195
Total	**8.8785**	**34.9866**	**156.3062**	**0.5100**	**35.1508**	**0.8353**	**35.9862**	**9.4305**	**0.7700**	**10.2005**		**37,521.4263**	**37,521.4263**	**0.8403**		**37,539.0720**

3.5 Building Construction - 2035

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	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
Total	**1.2123**	**7.1510**	**16.0922**	**0.0308**		**0.0901**	**0.0901**		**0.0901**	**0.0901**		**2,884.8300**	**2,884.8300**	**0.1075**		**2,887.0878**

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	5.3824	28 3781	99.3689	0.1801	5.0707	0.6416	5.7123	1.4535	0.5903	2.0438		16,844.5673	16,844.5673	0.1251		16,847.1934
Worker	3.3630	6.4024	55.8792	0.3299	30.0805	0.1931	30.2736	7.9771	0.1792	8.1562		20,630.6932	20,630.6932	0.7062		20,645.5225
Total	**8.7454**	**34.7805**	**155.2481**	**0.5100**	**35.1512**	**0.8347**	**35.9859**	**9.4306**	**0.7695**	**10.2001**		**37,475.2605**	**37,475.2605**	**0.8312**		**37,492.7159**

3.5 Building Construction - 2035

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	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
Total	**1.2123**	**7.1510**	**16.0922**	**0.0308**		**0.0901**	**0.0901**		**0.0901**	**0.0901**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1075**		**2,887.0878**

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	5.3824	28 3781	99.3689	0.1801	5.0707	0.6416	5.7123	1.4535	0.5903	2.0438		16,844.5673	16,844.5673	0.1251		16,847.1934
Worker	3.3630	6.4024	55.8792	0.3299	30.0805	0.1931	30.2736	7.9771	0.1792	8.1562		20,630.6932	20,630.6932	0.7062		20,645.5225
Total	**8.7454**	**34.7805**	**155.2481**	**0.5100**	**35.1512**	**0.8347**	**35.9859**	**9.4306**	**0.7695**	**10.2001**		**37,475.2605**	**37,475.2605**	**0.8312**		**37,492.7159**

3.6 Architectural Coating - 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					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2 9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	**14.0812**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9057**

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	1.2365	2.3582	19.8575	0.0660	6.0161	0.0369	6.0530	1.5954	0.0342	1.6297		4,687.8287	4,687.8287	0.2094		4,692.2270
Total	**1.2365**	**2.3582**	**19.8575**	**0.0660**	**6.0161**	**0.0369**	**6.0530**	**1.5954**	**0.0342**	**1.6297**		**4,687.8287**	**4,687.8287**	**0.2094**		**4,692.2270**

3.6 Architectural Coating - 2020

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2 9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	**14.0812**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9057**

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	1.2365	2.3582	19.8575	0.0660	6.0161	0.0369	6.0530	1.5954	0.0342	1.6297		4,687.8287	4,687.8287	0.2094		4,692.2270
Total	**1.2365**	**2.3582**	**19.8575**	**0.0660**	**6.0161**	**0.0369**	**6.0530**	**1.5954**	**0.0342**	**1.6297**		**4,687.8287**	**4,687.8287**	**0.2094**		**4,692.2270**

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	13.8390					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		281.8537
Total	**14.0579**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.8537**

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	1.1649	2.2013	18.5425	0.0660	6.0161	0.0369	6.0530	1.5954	0.0342	1.6296		4,608.5642	4,608.5642	0.1996		4,612.7551
Total	**1.1649**	**2.2013**	**18.5425**	**0.0660**	**6.0161**	**0.0369**	**6.0530**	**1.5954**	**0.0342**	**1.6296**		**4,608.5642**	**4,608.5642**	**0.1996**		**4,612.7551**

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					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		281.8537
Total	**14.0579**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.8537**

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	1.1649	2.2013	18.5425	0.0660	6.0161	0.0369	6.0530	1.5954	0.0342	1.6296		4,608.5642	4,608.5642	0.1996		4,612.7551
Total	**1.1649**	**2.2013**	**18.5425**	**0.0660**	**6.0161**	**0.0369**	**6.0530**	**1.5954**	**0.0342**	**1.6296**		**4,608.5642**	**4,608.5642**	**0.1996**		**4,612.7551**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2 9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329
Total	**14.0436**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.8329**

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	1.1021	2.0661	17.3860	0.0660	6.0161	0.0370	6.0531	1.5954	0.0343	1.6297		4,536.7957	4,536.7957	0.1911		4,540.8087
Total	**1.1021**	**2.0661**	**17.3860**	**0.0660**	**6.0161**	**0.0370**	**6.0531**	**1.5954**	**0.0343**	**1.6297**		**4,536.7957**	**4,536.7957**	**0.1911**		**4,540.8087**

3.6 Architectural Coating - 2022

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2 9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.8329
Total	**14.0436**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.8329**

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	1.1021	2.0661	17.3860	0.0660	6.0161	0.0370	6.0531	1.5954	0.0343	1.6297		4,536.7957	4,536.7957	0.1911		4,540.8087
Total	**1.1021**	**2.0661**	**17.3860**	**0.0660**	**6.0161**	**0.0370**	**6.0531**	**1.5954**	**0.0343**	**1.6297**		**4,536.7957**	**4,536.7957**	**0.1911**		**4,540.8087**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2 9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
Total	**14.0307**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8017**

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	1.0440	1.9461	16.3238	0.0660	6.0161	0.0371	6.0532	1.5954	0.0344	1.6298		4,471.9836	4,471.9836	0.1836		4,475.8397
Total	**1.0440**	**1.9461**	**16.3238**	**0.0660**	**6.0161**	**0.0371**	**6.0532**	**1.5954**	**0.0344**	**1.6298**		**4,471.9836**	**4,471.9836**	**0.1836**		**4,475.8397**

3.6 Architectural Coating - 2023

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2 9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8017
Total	**14.0307**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8017**

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	1.0440	1.9461	16.3238	0.0660	6.0161	0.0371	6.0532	1.5954	0.0344	1.6298		4,471.9836	4,471.9836	0.1836		4,475.8397
Total	**1.0440**	**1.9461**	**16.3238**	**0.0660**	**6.0161**	**0.0371**	**6.0532**	**1.5954**	**0.0344**	**1.6298**		**4,471.9836**	**4,471.9836**	**0.1836**		**4,475.8397**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2 9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809
Total	**14.0198**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.7809**

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	0.9941	1.8448	15.4830	0.0660	6.0161	0.0372	6.0533	1.5954	0.0345	1.6299		4,414.4491	4,414.4491	0.1773		4,418.1720
Total	**0.9941**	**1.8448**	**15.4830**	**0.0660**	**6.0161**	**0.0372**	**6.0533**	**1.5954**	**0.0345**	**1.6299**		**4,414.4491**	**4,414.4491**	**0.1773**		**4,418.1720**

3.6 Architectural Coating - 2024

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2 9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.7809
Total	**14.0198**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.7809**

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	0.9941	1.8448	15.4830	0.0660	6.0161	0.0372	6.0533	1.5954	0.0345	1.6299		4,414.4491	4,414.4491	0.1773		4,418.1720
Total	**0.9941**	**1.8448**	**15.4830**	**0.0660**	**6.0161**	**0.0372**	**6.0533**	**1.5954**	**0.0345**	**1.6299**		**4,414.4491**	**4,414.4491**	**0.1773**		**4,418.1720**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.9520	1.7592	14.7877	0.0660	6.0161	0.0374	6.0535	1.5954	0.0347	1.6302		4,363.8912	4,363.8912	0.1719		4,367.5014
Total	**0.9520**	**1.7592**	**14.7877**	**0.0660**	**6.0161**	**0.0374**	**6.0535**	**1.5954**	**0.0347**	**1.6302**		**4,363.8912**	**4,363.8912**	**0.1719**		**4,367.5014**

3.6 Architectural Coating - 2025

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.9520	1.7592	14.7877	0.0660	6.0161	0.0374	6.0535	1.5954	0.0347	1.6302		4,363.8912	4,363.8912	0.1719		4,367.5014
Total	**0.9520**	**1.7592**	**14.7877**	**0.0660**	**6.0161**	**0.0374**	**6.0535**	**1.5954**	**0.0347**	**1.6302**		**4,363.8912**	**4,363.8912**	**0.1719**		**4,367.5014**

3.6 Architectural Coating - 2026

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.9151	1.6872	14.2100	0.0660	6.0161	0.0378	6.0539	1.5954	0.0350	1.6305		4,320.3550	4,320.3550	0.1674		4,323.8698
Total	**0.9151**	**1.6872**	**14.2100**	**0.0660**	**6.0161**	**0.0378**	**6.0539**	**1.5954**	**0.0350**	**1.6305**		**4,320.3550**	**4,320.3550**	**0.1674**		**4,323.8698**

3.6 Architectural Coating - 2026

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.9151	1.6872	14.2100	0.0660	6.0161	0.0378	6.0539	1.5954	0.0350	1.6305		4,320.3550	4,320.3550	0.1674		4,323.8698
Total	**0.9151**	**1.6872**	**14.2100**	**0.0660**	**6.0161**	**0.0378**	**6.0539**	**1.5954**	**0.0350**	**1.6305**		**4,320.3550**	**4,320.3550**	**0.1674**		**4,323.8698**

3.6 Architectural Coating - 2027

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.8805	1.6227	13.6976	0.0660	6.0161	0.0380	6.0541	1.5954	0.0353	1.6307		4,282.4567	4,282.4567	0.1633		4,285.8857
Total	**0.8805**	**1.6227**	**13.6976**	**0.0660**	**6.0161**	**0.0380**	**6.0541**	**1.5954**	**0.0353**	**1.6307**		**4,282.4567**	**4,282.4567**	**0.1633**		**4,285.8857**

3.6 Architectural Coating - 2027

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.8805	1.6227	13.6976	0.0660	6.0161	0.0380	6.0541	1.5954	0.0353	1.6307		4,282.4567	4,282.4567	0.1633		4,285.8857
Total	**0.8805**	**1.6227**	**13.6976**	**0.0660**	**6.0161**	**0.0380**	**6.0541**	**1.5954**	**0.0353**	**1.6307**		**4,282.4567**	**4,282.4567**	**0.1633**		**4,285.8857**

3.6 Architectural Coating - 2028

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.8487	1.5636	13.2457	0.0660	6.0161	0.0383	6.0544	1.5954	0.0355	1.6309		4,249.8048	4,249.8048	0.1596		4,253.1564
Total	**0.8487**	**1.5636**	**13.2457**	**0.0660**	**6.0161**	**0.0383**	**6.0544**	**1.5954**	**0.0355**	**1.6309**		**4,249.8048**	**4,249.8048**	**0.1596**		**4,253.1564**

3.6 Architectural Coating - 2028

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.8487	1.5636	13.2457	0.0660	6.0161	0.0383	6.0544	1.5954	0.0355	1.6309		4,249.8048	4,249.8048	0.1596		4,253.1564
Total	**0.8487**	**1.5636**	**13.2457**	**0.0660**	**6.0161**	**0.0383**	**6.0544**	**1.5954**	**0.0355**	**1.6309**		**4,249.8048**	**4,249.8048**	**0.1596**		**4,253.1564**

3.6 Architectural Coating - 2029

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.8176	1.5064	12.8096	0.0660	6.0161	0.0385	6.0546	1.5954	0.0357	1.6311		4,221.7156	4,221.7156	0.1561		4,224.9926
Total	**0.8176**	**1.5064**	**12.8096**	**0.0660**	**6.0161**	**0.0385**	**6.0546**	**1.5954**	**0.0357**	**1.6311**		**4,221.7156**	**4,221.7156**	**0.1561**		**4,224.9926**

3.6 Architectural Coating - 2029

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.8176	1.5064	12.8096	0.0660	6.0161	0.0385	6.0546	1.5954	0.0357	1.6311		4,221.7156	4,221.7156	0.1561		4,224.9926
Total	**0.8176**	**1.5064**	**12.8096**	**0.0660**	**6.0161**	**0.0385**	**6.0546**	**1.5954**	**0.0357**	**1.6311**		**4,221.7156**	**4,221.7156**	**0.1561**		**4,224.9926**

3.6 Architectural Coating - 2030

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7894	1.4564	12.4501	0.0660	6.0161	0.0386	6.0547	1.5954	0.0358	1.6312		4,197.9944	4,197.9944	0.1529		4,201.2049
Total	**0.7894**	**1.4564**	**12.4501**	**0.0660**	**6.0161**	**0.0386**	**6.0547**	**1.5954**	**0.0358**	**1.6312**		**4,197.9944**	**4,197.9944**	**0.1529**		**4,201.2049**

3.6 Architectural Coating - 2030

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7894	1.4564	12.4501	0.0660	6.0161	0.0386	6.0547	1.5954	0.0358	1.6312		4,197.9944	4,197.9944	0.1529		4,201.2049
Total	**0.7894**	**1.4564**	**12.4501**	**0.0660**	**6.0161**	**0.0386**	**6.0547**	**1.5954**	**0.0358**	**1.6312**		**4,197.9944**	**4,197.9944**	**0.1529**		**4,201.2049**

3.6 Architectural Coating - 2031

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7628	1.4084	12.1160	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,178.0332	4,178.0332	0.1499		4,181.1819
Total	**0.7628**	**1.4084**	**12.1160**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,178.0332**	**4,178.0332**	**0.1499**		**4,181.1819**

3.6 Architectural Coating - 2031

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7628	1.4084	12.1160	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,178.0332	4,178.0332	0.1499		4,181.1819
Total	**0.7628**	**1.4084**	**12.1160**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,178.0332**	**4,178.0332**	**0.1499**		**4,181.1819**

3.6 Architectural Coating - 2032

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7385	1.3665	11.8278	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,161.3327	4,161.3327	0.1473		4,164.4266
Total	**0.7385**	**1.3665**	**11.8278**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,161.3327**	**4,161.3327**	**0.1473**		**4,164.4266**

3.6 Architectural Coating - 2032

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7385	1.3665	11.8278	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,161.3327	4,161.3327	0.1473		4,164.4266
Total	**0.7385**	**1.3665**	**11.8278**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,161.3327**	**4,161.3327**	**0.1473**		**4,164.4266**

3.6 Architectural Coating - 2033

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7158	1.3321	11.5940	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,147.5061	4,147.5061	0.1451		4,150.5537
Total	**0.7158**	**1.3321**	**11.5940**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,147.5061**	**4,147.5061**	**0.1451**		**4,150.5537**

3.6 Architectural Coating - 2033

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7158	1.3321	11.5940	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,147.5061	4,147.5061	0.1451		4,150.5537
Total	**0.7158**	**1.3321**	**11.5940**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,147.5061**	**4,147.5061**	**0.1451**		**4,150.5537**

3.6 Architectural Coating - 2034

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.6929	1.3031	11.3700	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,135.8199	4,135.8199	0.1431		4,138.8239
Total	**0.6929**	**1.3031**	**11.3700**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,135.8199**	**4,135.8199**	**0.1431**		**4,138.8239**

3.6 Architectural Coating - 2034

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.6929	1.3031	11.3700	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,135.8199	4,135.8199	0.1431		4,138.8239
Total	**0.6929**	**1.3031**	**11.3700**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,135.8199**	**4,135.8199**	**0.1431**		**4,138.8239**

3.6 Architectural Coating - 2035

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2 9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
Total	**13.9569**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**281.4481**	**281.4481**	**0.0104**		**281.6665**

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	0.6726	1.2805	11.1759	0.0660	6.0161	0.0386	6.0547	1.5954	0.0358	1.6313		4,126.1386	4,126.1386	0.1412		4,129.1045
Total	**0.6726**	**1.2805**	**11.1759**	**0.0660**	**6.0161**	**0.0386**	**6.0547**	**1.5954**	**0.0358**	**1.6313**		**4,126.1386**	**4,126.1386**	**0.1412**		**4,129.1045**

3.6 Architectural Coating - 2035

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2 9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
Total	**13.9569**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0104**		**281.6665**

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	0.6726	1.2805	11.1759	0.0660	6.0161	0.0386	6.0547	1.5954	0.0358	1.6313		4,126.1386	4,126.1386	0.1412		4,129.1045
Total	**0.6726**	**1.2805**	**11.1759**	**0.0660**	**6.0161**	**0.0386**	**6.0547**	**1.5954**	**0.0358**	**1.6313**		**4,126.1386**	**4,126.1386**	**0.1412**		**4,129.1045**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	56.8647	105.7992	598.7005	1.4907	99.5815	2.2167	101.7983	26.7199	2.0452	28.7651		109,570.5580	109,570.5580	2.6426		109,626.0530
Unmitigated	56.8647	105.7992	598.7005	1.4907	99.5815	2.2167	101.7983	26.7199	2.0452	28.7651		109,570.5580	109,570.5580	2.6426		109,626.0530

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	5,601.50	6,086.00	5159.50	11,297,401	11,297,401
Hotel	1,225.50	1,228.50	892.50	1,281,323	1,281,323
Manufacturing	3,376.88	1,317.16	548.08	5,598,139	5,598,139
Other Asphalt Surfaces	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	4,069,089	4,069,089
Regional Shopping Center	1,080.16	1,257.00	634.91	1,023,579	1,023,579
Research & Development	12,246.10	2,869.00	1676.10	14,720,098	14,720,098
Research & Development	372.26	87.21	50.95	447,462	447,462
Parking Lot	0.00	0.00	0.00		
Total	28,196.39	17,841.87	11,486.04	38,437,091	38,437,091

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	9.09	3.84	4.27	42.60	21.00	36.40	86	11	3
Hotel	7.95	3.57	3.57	19.40	61.60	19.00	58	38	4
Manufacturing	7.95	3.57	3.57	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	7.95	3.57	3.57	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	7.95	3.57	3.57	0.00	0.00	0.00	0	0	0
Regional Shopping Center	7.95	3.57	3.57	16.30	64.70	19.00	54	35	11
Regional Shopping Center	7.95	3.57	3.57	16.30	64.70	19.00	54	35	11
Research & Development	7.95	3.57	3.57	33.00	48.00	19.00	82	15	3
Research & Development	7.95	3.57	3.57	33.00	48.00	19.00	82	15	3
Parking Lot	7.95	3.57	3.57	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	1.3385	12.0658	9.4683	0.0730		0.9248	0.9248		0.9248	0.9248		14,602.2673	14,602.2673	0.2799	0.2677	14,691.1342
NaturalGas Unmitigated	1.8906	17.0505	13.4349	0.1031		1.3062	1.3062		1.3062	1.3062		20,624.5999	20,624.5999	0.3953	0.3781	20,750.1177

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	16773.6	0.1809	1.6445	1.3814	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.3628	1,973.3628	0.0378	0.0362	1,985.3723
Manufacturing	47493.8	0.5122	4.6563	3.9113	0.0279		0.3539	0.3539		0.3539	0.3539		5,587.5069	5,587.5069	0.1071	0.1024	5,621.5115
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3367.12	0.0363	0.3301	0.2773	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.1322	396.1322	7.5900e-003	7.2600e-003	398.5430
Regional Shopping Center	847	9.1300e-003	0.0830	0.0698	5.0000e-004		6.3100e-003	6.3100e-003		6.3100e-003	6.3100e-003		99.6470	99.6470	1.9100e-003	1.8300e-003	100.2535
Research & Development	2466.08	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.1269	290.1269	5.5600e-003	5.3200e-003	291.8925
Research & Development	81126.3	0.8749	7.9536	6.6810	0.0477		0.6045	0.6045		0.6045	0.6045		9,544.2708	9,544.2708	0.1829	0.1750	9,602.3556
Apartments Mid Rise	23235.2	0.2506	2.1413	0.9112	0.0137		0.1731	0.1731		0.1731	0.1731		2,733.5534	2,733.5534	0.0524	0.0501	2,750.1894
Total		**1.8906**	**17.0505**	**13.4349**	**0.1031**		**1.3062**	**1.3062**		**1.3062**	**1.3062**		**20,624.5999**	**20,624.5999**	**0.3953**	**0.3781**	**20,750.1177**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	11.7881	0.1271	1.1557	0.9708	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,386.8297	1,386.8297	0.0266	0.0254	1,395.2697
Manufacturing	33.2893	0.3590	3.2637	2.7415	0.0196		0.2480	0.2480		0.2480	0.2480		3,916.3836	3,916.3836	0.0751	0.0718	3,940.2180
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.600343	6.4700e-003	0.0589	0.0494	3.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003		70.6286	70.6286	1.3500e-003	1.2900e-003	71.0584
Regional Shopping Center	2.38658	0.0257	0.2340	0.1965	1.4000e-003		0.0178	0.0178		0.0178	0.0178		280.7736	280.7736	5.3800e-003	5.1500e-003	282.4823
Research & Development	1.72852	0.0186	0.1695	0.1424	1.0200e-003		0.0129	0.0129		0.0129	0.0129		203.3551	203.3551	3.9000e-003	3.7300e-003	204.5927
Research & Development	56.8629	0.6132	5.5748	4.6828	0.0335		0.4237	0.4237		0.4237	0.4237		6,689.7502	6,689.7502	0.1282	0.1227	6,730.4629
Apartments Mid Rise	17.4636	0.1883	1.6094	0.6849	0.0103		0.1301	0.1301		0.1301	0.1301		2,054.5466	2,054.5466	0.0394	0.0377	2,067.0502
Total		**1.3385**	**12.0658**	**9.4683**	**0.0730**		**0.9248**	**0.9248**		**0.9248**	**0.9248**		**14,602.2673**	**14,602.2673**	**0.2799**	**0.2677**	**14,691.1342**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	125.1397	0 8088	70.2403	3.7200e-003		1.4159	1.4159		1.4051	1.4051	0.0000	16,326.8725	16,326.8725	0.4323	0.2970	16,428.0199
Unmitigated	2,058.7080	27.0335	2,448.6235	0 9488		334.3777	334.3777		334.3711	334.3711	35,089.1179	10,026.8725	45,115.9904	32.9152	2.6622	46,632.4958

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	14.6353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	115.5432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,926.4146	26.2247	2,378.4642	0 9450		333.9878	333.9878		333.9812	333.9812	35,089.1179	9,900.0000	44,989.1179	32.7934	2.6622	46,503.0664
Landscaping	2.1150	0 8087	70.1593	3.7200e-003		0.3899	0.3899		0.3899	0.3899		126.8725	126.8725	0.1218		129.4294
Total	**2,058.7080**	**27.0335**	**2,448.6235**	**0.9488**		**334.3777**	**334.3777**		**334.3711**	**334.3711**	**35,089.1179**	**10,026.8725**	**45,115.9904**	**32.9152**	**2.6622**	**46,632.4958**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	14.6353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	106.9044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.4850	7.0000e-005	0.0810	0.0000		1.0260	1.0260		1.0152	1.0152	0.0000	16,200.0000	16,200.0000	0.3105	0.2970	16,298.5905
Landscaping	2.1150	0 8087	70.1593	3.7200e-003		0.3899	0.3899		0.3899	0.3899		126.8725	126.8725	0.1218		129.4294
Total	**125.1397**	**0.8088**	**70.2403**	**3.7200e-003**		**1.4159**	**1.4159**		**1.4051**	**1.4051**	**0.0000**	**16,326.8725**	**16,326.8725**	**0.4323**	**0.2970**	**16,428.0199**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Vegetation

Mace Ranch Innovation Center - Mixed-Use Alternative

Yolo County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	3.17630E-001	2.13234E+000	3.48618E+000	5.73000E-003	9.19400E-002	9.19400E-002	0.00000E+000	4.92778E+002	4.92778E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes	5.15850E-001	4.31996E+000	2.71083E+000	1.03400E-002	1.75840E-001	1.63120E-001	0.00000E+000	8.99855E+002	8.99855E+002	1.83910E-001	0.00000E+000	9.03718E+002
Excavators	1.12620E-001	1.18846E+000	1.32468E+000	2.09000E-003	5.75200E-002	5.29200E-002	0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts	5.50450E-001	4.40816E+000	6.72340E+000	9.61000E-003	2.15610E-001	1.99470E-001	0.00000E+000	8.36415E+002	8.36415E+002	1.73860E-001	0.00000E+000	8.40066E+002
Generator Sets	4.95590E-001	4.46859E+000	7.05460E+000	1.27000E-002	1.68440E-001	1.68440E-001	0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders	1.59260E-001	1.58398E+000	9.16620E-001	1.23000E-003	8.89000E-002	8.17800E-002	0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers	7.33000E-002	7.88960E-001	7.80650E-001	1.27000E-003	3.84700E-002	3.53900E-002	0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment	5.77900E-002	6.02630E-001	6.97720E-001	1.12000E-003	3.00500E-002	2.76400E-002	0.00000E+000	9.95368E+001	9.95368E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers	6.02500E-002	5.99810E-001	5.31630E-001	7.30000E-004	3.87200E-002	3.56200E-002	0.00000E+000	6.50811E+001	6.50811E+001	2.08700E-002	0.00000E+000	6.55194E+001
Rubber Tired Dozers	4.73290E-001	5.18389E+000	3.94429E+000	3.76000E-003	2.39960E-001	2.20760E-001	0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47213E+002
Scrapers	4.33260E-001	5.32047E+000	3.30415E+000	5.89000E-003	2.09230E-001	1.92500E-001	0.00000E+000	5.34027E+002	5.34027E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/ Backhoes	9.85500E-001	8.57557E+000	1.31672E+001	1.92200E-002	3.96300E-001	3.67360E-001	0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders	4.13740E-001	2.54561E+000	3.17587E+000	4.93000E-003	7.30800E-002	7.30800E-002	0.00000E+000	3.63266E+002	3.63266E+002	3.35600E-002	0.00000E+000	3.63971E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	3.17630E-001	2.13233E+000	3.48618E+000	5.73000E-003	9.19400E-002	9.19400E-002	0.00000E+000	4.92777E+002	4.92777E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes	5.15850E-001	4.31996E+000	2.71083E+000	1.03400E-002	1.75840E-001	1.63120E-001	0.00000E+000	8.99854E+002	8.99854E+002	1.83910E-001	0.00000E+000	9.03717E+002
Excavators	1.12620E-001	1.18846E+000	1.32467E+000	2.09000E-003	5.75200E-002	5.29200E-002	0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts	5.50450E-001	4.40816E+000	6.72339E+000	9.61000E-003	2.15610E-001	1.99470E-001	0.00000E+000	8.36414E+002	8.36414E+002	1.73860E-001	0.00000E+000	8.40065E+002
Generator Sets	4.95590E-001	4.46859E+000	7.05459E+000	1.27000E-002	1.68440E-001	1.68440E-001	0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders	1.59260E-001	1.58398E+000	9.16620E-001	1.23000E-003	8.89000E-002	8.17800E-002	0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers	7.33000E-002	7.88950E-001	7.80650E-001	1.27000E-003	3.84700E-002	3.53900E-002	0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment	5.77900E-002	6.02630E-001	6.97720E-001	1.12000E-003	3.00500E-002	2.76400E-002	0.00000E+000	9.95367E+001	9.95367E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers	6.02500E-002	5.99810E-001	5.31630E-001	7.30000E-004	3.87200E-002	3.56200E-002	0.00000E+000	6.50810E+001	6.50810E+001	2.08700E-002	0.00000E+000	6.55193E+001
Rubber Tired Dozers	4.73290E-001	5.18389E+000	3.94429E+000	3.76000E-003	2.39960E-001	2.20760E-001	0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47212E+002
Scrapers	4.33260E-001	5.32046E+000	3.30414E+000	5.89000E-003	2.09230E-001	1.92500E-001	0.00000E+000	5.34026E+002	5.34026E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/Backhoes	9.85500E-001	8.57556E+000	1.31672E+001	1.92200E-002	3.96300E-001	3.67360E-001	0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders	4.13740E-001	2.54560E+000	3.17587E+000	4.93000E-003	7.30800E-002	7.30800E-002	0.00000E+000	3.63265E+002	3.63265E+002	3.35600E-002	0.00000E+000	3.63970E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	4.68968E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17700E-006	1.17700E-006	0.00000E+000	0.00000E+000	1.19599E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18908E-006	1.18908E-006	0.00000E+000	0.00000E+000	1.19506E-006
Excavators	0.00000E+000	0.00000E+000	7.54899E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21251E-006	1.21251E-006	0.00000E+000	0.00000E+000	1.20459E-006
Forklifts	0.00000E+000	0.00000E+000	1.48734E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18362E-006	1.18362E-006	0.00000E+000	0.00000E+000	1.19038E-006
Generator Sets	0.00000E+000	0.00000E+000	1.41751E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19173E-006	1.19173E-006	0.00000E+000	0.00000E+000	1.19082E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16704E-006	1.16704E-006	0.00000E+000	0.00000E+000	1.24859E-006
Pavers	0.00000E+000	1.26749E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15915E-006	1.15915E-006	0.00000E+000	0.00000E+000	1.15140E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20558E-006	1.20558E-006	0.00000E+000	0.00000E+000	1.19752E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22924E-006	1.22924E-006	0.00000E+000	0.00000E+000	1.22101E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18852E-006	1.18852E-006	0.00000E+000	0.00000E+000	1.18083E-006
Scrapers	0.00000E+000	1.87953E-006	3.02650E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19844E-006	1.19844E-006	0.00000E+000	0.00000E+000	1.19061E-006
Tractors/Loaders/Backhoes	0.00000E+000	1.16610E-006	1.51892E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18848E-006	1.18848E-006	0.00000E+000	0.00000E+000	1.18893E-006
Welders	0.00000E+000	3.92833E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18371E-006	1.18371E-006	0.00000E+000	0.00000E+000	1.18141E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)			
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2 5	PM10	PM2 5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	11.24	2.99	11.24	2.99	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	65.71	17.68	65.71	17.68	0.00	0.00
Grading	Fugitive Dust	2.78	1.35	2.78	1.35	0.00	0.00
Grading	Roads	0.07	0.02	0.07	0.02	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Site Preparation	Fugitive Dust	2.71	1.49	2.71	1.49	0.00	0.00
Site Preparation	Roads	0.02	0.00	0.02	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.39	53.39	53.38	53.39	53.39
Hearth	99.92	100.00	100.00	100.00	99.69	99.70	100.00	-63.64	63.99	99.05	88.84	64.95
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	29.20	29.23	29.52	29.19	29.20	29.20	0.00	29.20	29.20	29.20	29.19	29.20
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	30.00	34.95	33.71	30.01	30.10	32.15
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.30	0.65		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.24	0.02		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	3.00			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	5.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	150.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	30.00	
No	Install High Efficiency Lighting	0.00	
Yes	On-site Renewable	0.00	50.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	30.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Mace Ranch Innovation Center - Mixed-Use Alternative (MITIGATED)

Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Enclosed Parking with Elevator	5.10	Acre	5.10	222,156.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Parking Lot	34.85	Acre	34.85	1,518,066.00	0
Hotel	150.00	Room	5.00	217,800.00	0
Apartments Mid Rise	850.00	Dwelling Unit	22.37	850,000.00	2431
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	54
Climate Zone	2			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	375.68	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - intensity factor for CO2 modified for PG&E RPS reduction

Land Use - *based on info provided by applicant

Construction Phase - *

Trips and VMT - 12 CY haul trucks would be used; haul site located 2 mi from off-site detention basin location

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (including Mace Triangle, with exception of PQP parcel) = 224.42 acres; plus 11 acres for off-site sewer improvements; 80 acres for off-site detention basin

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation - mitigation requires use of only zero-VOC paints

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	0
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42
tblGrading	MaterialExported	0.00	130,000.00

tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	375.68
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	16,250.00	10,833.00
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21

tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	HO_TL	7.90	3.84
tblVehicleTrips	HS_TL	7.10	3.46
tblVehicleTrips	HW_TL	16.80	8.18

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3186	3 3709	2.6268	2.7100e-003	1.3694	0.1791	1.5486	0.7487	0.1648	0.9134	0.0000	248.2873	248.2873	0.0729	0.0000	249.8185
2018	0.7249	7.7687	6.2476	8.5100e-003	2.7838	0.3611	3.1449	1.4322	0.3322	1.7644	0.0000	767.2304	767.2304	0.2241	0.0000	771.9356
2019	0.4982	5.0581	4.3743	6.4800e-003	1.4253	0.2372	1.6624	0.6864	0.2182	0.9046	0.0000	573.2409	573.2409	0.1702	0.0000	576.8148
2020	1.4335	4.7114	11.8914	0.0293	1.7608	0.1620	1.9228	0.4729	0.1504	0.6233	0.0000	2,124.4465	2,124.4465	0.1361	0.0000	2,127.3037
2021	3.8099	8 9760	29.4207	0.0807	5.2021	0.2561	5.4582	1.3969	0.2394	1.6363	0.0000	5,704.4066	5,704.4066	0.2315	0.0000	5,709.2672
2022	3.6755	8.0499	27.7117	0.0803	5.1823	0.2324	5.4147	1.3916	0.2171	1.6087	0.0000	5,629.0985	5,629.0985	0.2242	0.0000	5,633.8065
2023	3.5123	7 3271	25.6116	0.0803	5.1824	0.2113	5.3936	1.3917	0.1972	1.5889	0.0000	5,579.4739	5,579.4739	0.2174	0.0000	5,584.0402
2024	3.4737	7.1342	24.9507	0.0809	5.2224	0.2007	5.4231	1.4024	0.1872	1.5896	0.0000	5,581.0542	5,581.0542	0.2141	0.0000	5,585.5505
2025	3.3915	6 8682	23.9188	0.0806	5.2026	0.1879	5.3905	1.3971	0.1751	1.5722	0.0000	5,523.4934	5,523.4934	0.2091	0.0000	5,527.8835
2026	3.3565	6.7739	23.3563	0.0806	5.2026	0.1881	5.3907	1.3972	0.1752	1.5724	0.0000	5,492.2642	5,492.2642	0.2058	0.0000	5,496.5867
2027	3.3321	6.6987	22.9221	0.0806	5.2027	0.1884	5.3911	1.3972	0.1755	1.5727	0.0000	5,465.1998	5,465.1998	0.2030	0.0000	5,469.4620
2028	3.2939	6.6035	22.4312	0.0803	5.1829	0.1878	5.3707	1.3919	0.1750	1.5668	0.0000	5,421.0255	5,421.0255	0.1996	0.0000	5,425.2169
2029	3.2821	6 5660	22.1457	0.0806	5.2029	0.1887	5.3915	1.3972	0.1758	1.5730	0.0000	5,421.8202	5,421.8202	0.1978	0.0000	5,425.9749
2030	3.2369	5 8794	21.7710	0.0811	5.2029	0.1354	5.3383	1.3973	0.1266	1.5238	0.0000	5,444.9003	5,444.9003	0.1381	0.0000	5,447.8005
2031	3.2200	5 8295	21.5160	0.0811	5.2030	0.1355	5.3385	1.3973	0.1267	1.5239	0.0000	5,430.8416	5,430.8416	0.1360	0.0000	5,433.6980
2032	3.2167	5 8089	21.3755	0.0814	5.2230	0.1361	5.3591	1.4027	0.1272	1.5299	0.0000	5,439.9432	5,439.9432	0.1347	0.0000	5,442.7717
2033	3.1750	5.7253	21.0196	0.0808	5.1832	0.1351	5.3183	1.3920	0.1262	1.5182	0.0000	5,388.7936	5,388.7936	0.1321	0.0000	5,391.5680
2034	3.1571	5.6924	20.8415	0.0808	5.1833	0.1350	5.3183	1.3920	0.1262	1.5182	0.0000	5,380.6867	5,380.6867	0.1307	0.0000	5,383.4304

	ROG	NOx	CO	SO2	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					
2035	1.5151	2 5721	9.6087	0.0377	2.4214	0.0584	2.4799	0.6502	0.0544	0.7046	0.0000	2,500.8079	2,500.8079	0.0599	0.0000	2,502.0656
Total	**51.6235**	**117.4143**	**363.7412**	**1.2147**	**82.5389**	**3.5161**	**86.0550**	**23.5347**	**3.2701**	**26.8049**	**0.0000**	**83,117.0149**	**83,117.0149**	**3.2372**	**0.0000**	**83,184.9952**

2.1 Overall Construction

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					
2017	0.3186	3 3709	2.6268	2.7100e-003	1.3694	0.1791	1.5486	0.7487	0.1648	0.9134	0.0000	248.2871	248.2871	0.0729	0.0000	249.8182
2018	0.7249	7.7687	6.2476	8.5100e-003	2.7838	0.3611	3.1449	1.4322	0.3322	1.7644	0.0000	767.2295	767.2295	0.2241	0.0000	771.9348
2019	0.4982	5.0581	4.3743	6.4800e-003	1.4253	0.2372	1.6624	0.6864	0.2182	0.9046	0.0000	573.2403	573.2403	0.1702	0.0000	576.8142
2020	1.4335	4.7114	11.8914	0.0293	1.7608	0.1620	1.9228	0.4729	0.1504	0.6233	0.0000	2,124.4461	2,124.4461	0.1361	0.0000	2,127.3033
2021	3.8099	8 9760	29.4207	0.0807	5.2021	0.2561	5.4582	1.3969	0.2394	1.6363	0.0000	5,704.4062	5,704.4062	0.2315	0.0000	5,709.2668
2022	3.6755	8.0499	27.7117	0.0803	5.1823	0.2324	5.4147	1.3916	0.2171	1.6087	0.0000	5,629.0982	5,629.0982	0.2242	0.0000	5,633.8061
2023	3.5123	7 3271	25.6116	0.0803	5.1824	0.2113	5.3936	1.3917	0.1972	1.5889	0.0000	5,579.4735	5,579.4735	0.2174	0.0000	5,584.0398
2024	3.4737	7.1342	24.9507	0.0809	5.2224	0.2007	5.4231	1.4024	0.1872	1.5896	0.0000	5,581.0538	5,581.0538	0.2141	0.0000	5,585.5501
2025	3.3915	6 8682	23.9188	0.0806	5.2026	0.1879	5.3905	1.3971	0.1751	1.5722	0.0000	5,523.4930	5,523.4930	0.2091	0.0000	5,527.8831
2026	3.3565	6.7738	23.3563	0.0806	5.2026	0.1881	5.3907	1.3972	0.1752	1.5724	0.0000	5,492.2638	5,492.2638	0.2058	0.0000	5,496.5863
2027	3.3321	6.6987	22.9221	0.0806	5.2027	0.1884	5.3911	1.3972	0.1755	1.5727	0.0000	5,465.1994	5,465.1994	0.2030	0.0000	5,469.4616

	ROG	NOx	CO	SO2	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					
2028	3.2939	6.6035	22.4312	0.0803	5.1829	0.1878	5.3707	1.3919	0.1750	1.5668	0.0000	5,421.0251	5,421.0251	0.1996	0.0000	5,425.2165
2029	3.2821	6 5660	22.1457	0.0806	5.2029	0.1887	5.3915	1.3972	0.1758	1.5730	0.0000	5,421.8198	5,421.8198	0.1978	0.0000	5,425.9745
2030	3.2369	5 8793	21.7710	0.0811	5.2029	0.1354	5.3383	1.3973	0.1266	1.5238	0.0000	5,444.8999	5,444.8999	0.1381	0.0000	5,447.8000
2031	3.2200	5 8295	21.5160	0.0811	5.2030	0.1355	5.3385	1.3973	0.1267	1.5239	0.0000	5,430.8412	5,430.8412	0.1360	0.0000	5,433.6976
2032	3.2167	5 8089	21.3755	0.0814	5.2230	0.1361	5.3591	1.4027	0.1272	1.5299	0.0000	5,439.9427	5,439.9427	0.1347	0.0000	5,442.7713
2033	3.1750	5.7253	21.0196	0.0808	5.1832	0.1351	5.3183	1.3920	0.1262	1.5182	0.0000	5,388.7932	5,388.7932	0.1321	0.0000	5,391.5675
2034	3.1571	5.6924	20.8414	0.0808	5.1833	0.1350	5.3183	1.3920	0.1262	1.5182	0.0000	5,380.6863	5,380.6863	0.1307	0.0000	5,383.4299
2035	1.5151	2 5721	9.6087	0.0377	2.4214	0.0584	2.4799	0.6502	0.0544	0.7046	0.0000	2,500.8077	2,500.8077	0.0599	0.0000	2,502.0654
Total	**51.6235**	**117.4142**	**363.7411**	**1.2147**	**82.5389**	**3.5161**	**86.0550**	**23.5347**	**3.2701**	**26.8049**	**0.0000**	**83,117.0067**	**83,117.0067**	**3.2372**	**0.0000**	**83,184.9870**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	102.9309	1.1480	103.8314	0.0391		13.7286	13.7286		13.7283	13.7283	1,305.1248	378.5850	1,683.7098	1.2297	0.0990	1,740.2292
Energy	0.3450	3.1117	2.4519	0.0188		0.2384	0.2384		0.2384	0.2384	0.0000	8,823.7890	8,823.7890	0.4830	0.1490	8,880.1193
Mobile	7.9232	14.2563	70.7687	0 2064	13.0347	0.3028	13.3375	3.5071	0.2794	3.7866	0.0000	13,747.7108	13,747.7108	0.3275	0.0000	13,754.5886
Waste						0.0000	0.0000		0.0000	0.0000	369.2304	0.0000	369.2304	21.8209	0.0000	827.4692
Water						0.0000	0.0000		0.0000	0.0000	329.2805	981.4832	1,310.7637	33.8960	0.8143	2,274.9962
Total	**111.1992**	**18.5161**	**177.0520**	**0.2643**	**13.0347**	**14.2698**	**27.3044**	**3.5071**	**14.2461**	**17.7533**	**2,003.6357**	**23,931.5680**	**25,935.2037**	**57.7571**	**1.0623**	**27,477.4024**

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	19.7613	0.0728	6.3177	3.4000e-004		0.0772	0.0772		0.0767	0.0767	0.0000	612.9108	612.9108	0.0215	0.0111	616.7866
Energy	0.2443	2 2020	1.7280	0.0133		0.1688	0.1688		0.1688	0.1688	0.0000	4,938.9251	4,938.9251	0.2410	0.0846	4,970.2086
Mobile	7.9232	14.2563	70.7687	0 2064	13.0347	0.3028	13.3375	3.5071	0.2794	3.7866	0.0000	13,747.7108	13,747.7108	0.3275	0.0000	13,754.5886
Waste						0.0000	0.0000		0.0000	0.0000	369.2304	0.0000	369.2304	21.8209	0.0000	827.4692
Water						0.0000	0.0000		0.0000	0.0000	230.4963	638.4252	868.9216	23.7235	0.5692	1,543.5648
Total	**27.9288**	**16.5311**	**78.8144**	**0.2200**	**13.0347**	**0.5488**	**13.5834**	**3.5071**	**0.5249**	**4.0320**	**599.7267**	**19,937.9720**	**20,537.6987**	**46.1343**	**0.6648**	**21,712.6177**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**74.88**	**10.72**	**55.49**	**16.74**	**0.00**	**96.15**	**50.25**	**0.00**	**96.32**	**77.29**	**70.07**	**16.69**	**20.81**	**20.12**	**37.41**	**20.98**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 1,721,250; Residential Outdoor: 573,750; Non-Residential Indoor: 4,615,035; Non-Residential Outdoor: 1,538,345 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,355.00	836.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	471.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3145	3.3640	2.5608	2 5400e-003		0.1790	0.1790		0.1647	0.1647	0.0000	236.0500	236.0500	0.0723	0.0000	237.5688
Total	**0.3145**	**3.3640**	**2.5608**	**2.5400e-003**	**1.3550**	**0.1790**	**1.5340**	**0.7448**	**0.1647**	**0.9095**	**0.0000**	**236.0500**	**236.0500**	**0.0723**	**0.0000**	**237.5688**

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	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003	0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total	**4.0800e-003**	**6.9000e-003**	**0.0660**	**1.7000e-004**	**0.0145**	**1.0000e-004**	**0.0146**	**3.8500e-003**	**9.0000e-005**	**3.9300e-003**	**0.0000**	**12.2373**	**12.2373**	**5.9000e-004**	**0.0000**	**12.2497**

3.2 Site Preparation - 2017

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					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3145	3.3640	2.5608	2 5400e-003		0.1790	0.1790		0.1647	0.1647	0.0000	236.0497	236.0497	0.0723	0.0000	237.5686
Total	**0.3145**	**3.3640**	**2.5608**	**2.5400e-003**	**1.3550**	**0.1790**	**1.5340**	**0.7448**	**0.1647**	**0.9095**	**0.0000**	**236.0497**	**236.0497**	**0.0723**	**0.0000**	**237.5686**

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	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003	0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total	**4.0800e-003**	**6.9000e-003**	**0.0660**	**1.7000e-004**	**0.0145**	**1.0000e-004**	**0.0146**	**3.8500e-003**	**9.0000e-005**	**3.9300e-003**	**0.0000**	**12.2373**	**12.2373**	**5.9000e-004**	**0.0000**	**12.2497**

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0429	0.4561	0.3624	3 9000e-004		0.0237	0.0237		0.0218	0.0218	0.0000	35.7410	35.7410	0.0111	0.0000	35.9747
Total	**0.0429**	**0.4561**	**0.3624**	**3.9000e-004**	**1.3550**	**0.0237**	**1.3786**	**0.7448**	**0.0218**	**0.7666**	**0.0000**	**35.7410**	**35.7410**	**0.0111**	**0.0000**	**35.9747**

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					
Worker	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	**5.5000e-004**	**9.5000e-004**	**9.0600e-003**	**3.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2400e-003**	**5.9000e-004**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**1.8122**	**1.8122**	**8.0000e-005**	**0.0000**	**1.8139**

3.2 Site Preparation - 2018

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					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0429	0.4561	0.3624	3 9000e-004		0.0237	0.0237		0.0218	0.0218	0.0000	35.7410	35.7410	0.0111	0.0000	35.9746
Total	**0.0429**	**0.4561**	**0.3624**	**3.9000e-004**	**1.3550**	**0.0237**	**1.3786**	**0.7448**	**0.0218**	**0.7666**	**0.0000**	**35.7410**	**35.7410**	**0.0111**	**0.0000**	**35.9746**

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					
Worker	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	**5.5000e-004**	**9.5000e-004**	**9.0600e-003**	**3.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2400e-003**	**5.9000e-004**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**1.8122**	**1.8122**	**8.0000e-005**	**0.0000**	**1.8139**

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6374	7.1738	5.0980	7.4400e-003		0.3360	0.3360		0.3091	0.3091	0.0000	679.1574	679.1574	0.2114	0.0000	683.5975
Total	**0.6374**	**7.1738**	**5.0980**	**7.4400e-003**	**1.3885**	**0.3360**	**1.7245**	**0.6767**	**0.3091**	**0.9857**	**0.0000**	**679.1574**	**679.1574**	**0.2114**	**0.0000**	**683.5975**

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	0.0367	0.1251	0.6570	3.1000e-004	8.3600e-003	1.2700e-003	9.6300e-003	2.2200e-003	1.1700e-003	3.3900e-003	0.0000	26.2566	26.2566	3.1000e-004	0.0000	26.2630
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	7.4200e-003	0.0128	0.1213	3 5000e-004	0.0298	2.0000e-004	0.0300	7.9200e-003	1.8000e-004	8.1000e-003	0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total	**0.0441**	**0.1379**	**0.7782**	**6.6000e-004**	**0.0382**	**1.4700e-003**	**0.0396**	**0.0101**	**1.3500e-003**	**0.0115**	**0.0000**	**50.5197**	**50.5197**	**1.4200e-003**	**0.0000**	**50.5495**

3.3 Grading - 2018

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					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6374	7.1738	5.0980	7.4400e-003		0.3360	0.3360		0.3091	0.3091	0.0000	679.1566	679.1566	0.2114	0.0000	683.5967
Total	**0.6374**	**7.1738**	**5.0980**	**7.4400e-003**	**1.3885**	**0.3360**	**1.7245**	**0.6767**	**0.3091**	**0.9857**	**0.0000**	**679.1566**	**679.1566**	**0.2114**	**0.0000**	**683.5967**

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	0.0367	0.1251	0.6570	3.1000e-004	8.3600e-003	1.2700e-003	9.6300e-003	2.2200e-003	1.1700e-003	3.3900e-003	0.0000	26.2566	26.2566	3.1000e-004	0.0000	26.2630
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	7.4200e-003	0.0128	0.1213	3 5000e-004	0.0298	2.0000e-004	0.0300	7.9200e-003	1.8000e-004	8.1000e-003	0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total	**0.0441**	**0.1379**	**0.7782**	**6.6000e-004**	**0.0382**	**1.4700e-003**	**0.0396**	**0.0101**	**1.3500e-003**	**0.0115**	**0.0000**	**50.5197**	**50.5197**	**1.4200e-003**	**0.0000**	**50.5495**

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3766	4.1732	3.1022	4.7500e-003		0.1929	0.1929		0.1775	0.1775	0.0000	426.8949	426 8949	0.1351	0.0000	429.7312
Total	**0.3766**	**4.1732**	**3.1022**	**4.7500e-003**	**1.3885**	**0.1929**	**1.5814**	**0.6767**	**0.1775**	**0.8541**	**0.0000**	**426.8949**	**426.8949**	**0.1351**	**0.0000**	**429.7312**

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	0.0210	0.0745	0.3968	1 9000e-004	7.8300e-003	7.9000e-004	8.6200e-003	2.0300e-003	7.2000e-004	2.7600e-003	0.0000	16.4806	16.4806	2.0000e-004	0.0000	16.4847
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2800e-003	7.4400e-003	0.0702	2 2000e-004	0.0190	1.2000e-004	0.0192	5.0600e-003	1.1000e-004	5.1700e-003	0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total	**0.0253**	**0.0819**	**0.4670**	**4.1000e-004**	**0.0269**	**9.1000e-004**	**0.0278**	**7.0900e-003**	**8.3000e-004**	**7.9300e-003**	**0.0000**	**31.3740**	**31.3740**	**8.6000e-004**	**0.0000**	**31.3919**

3.3 Grading - 2019

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					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3766	4.1732	3.1022	4.7500e-003		0.1929	0.1929		0.1775	0.1775	0.0000	426.8944	426 8944	0.1351	0.0000	429.7307
Total	**0.3766**	**4.1732**	**3.1022**	**4.7500e-003**	**1.3885**	**0.1929**	**1.5814**	**0.6767**	**0.1775**	**0.8541**	**0.0000**	**426.8944**	**426.8944**	**0.1351**	**0.0000**	**429.7307**

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	0.0210	0.0745	0.3968	1 9000e-004	7.8300e-003	7.9000e-004	8.6200e-003	2.0300e-003	7.2000e-004	2.7600e-003	0.0000	16.4806	16.4806	2.0000e-004	0.0000	16.4847
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2800e-003	7.4400e-003	0.0702	2 2000e-004	0.0190	1.2000e-004	0.0192	5.0600e-003	1.1000e-004	5.1700e-003	0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total	**0.0253**	**0.0819**	**0.4670**	**4.1000e-004**	**0.0269**	**9.1000e-004**	**0.0278**	**7.0900e-003**	**8.3000e-004**	**7.9300e-003**	**0.0000**	**31.3740**	**31.3740**	**8.6000e-004**	**0.0000**	**31.3919**

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0763	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398	0.0000	107.2112	107 2112	0.0339	0.0000	107.9235
Paving	0.0178					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0940**	**0.7990**	**0.7685**	**1.1900e-003**		**0.0433**	**0.0433**		**0.0398**	**0.0398**	**0.0000**	**107.2112**	**107.2112**	**0.0339**	**0.0000**	**107.9235**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2300e-003	3.8800e-003	0.0366	1 2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003	0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total	**2.2300e-003**	**3.8800e-003**	**0.0366**	**1.2000e-004**	**9.9200e-003**	**6.0000e-005**	**9.9800e-003**	**2.6400e-003**	**6.0000e-005**	**2.7000e-003**	**0.0000**	**7.7610**	**7.7610**	**3.4000e-004**	**0.0000**	**7.7682**

3.4 Paving - 2019

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	0.0763	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398	0.0000	107.2110	107 2110	0.0339	0.0000	107.9234
Paving	0.0178					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0940**	**0.7990**	**0.7685**	**1.1900e-003**		**0.0433**	**0.0433**		**0.0398**	**0.0398**	**0.0000**	**107.2110**	**107.2110**	**0.0339**	**0.0000**	**107.9234**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2300e-003	3.8800e-003	0.0366	1 2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003	0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total	**2.2300e-003**	**3.8800e-003**	**0.0366**	**1.2000e-004**	**9.9200e-003**	**6.0000e-005**	**9.9800e-003**	**2.6400e-003**	**6.0000e-005**	**2.7000e-003**	**0.0000**	**7.7610**	**7.7610**	**3.4000e-004**	**0.0000**	**7.7682**

3.4 Paving - 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	0.1151	1.1924	1.2415	1 9300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	169.5578	169 5578	0.0548	0.0000	170.7094
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1437**	**1.1924**	**1.2415**	**1.9300e-003**		**0.0639**	**0.0639**		**0.0588**	**0.0588**	**0.0000**	**169.5578**	**169.5578**	**0.0548**	**0.0000**	**170.7094**

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	3.3300e-003	5.7700e-003	0.0544	1 9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total	**3.3300e-003**	**5.7700e-003**	**0.0544**	**1.9000e-004**	**0.0160**	**1.0000e-004**	**0.0161**	**4.2600e-003**	**9.0000e-005**	**4.3600e-003**	**0.0000**	**12.0504**	**12.0504**	**5.2000e-004**	**0.0000**	**12.0614**

3.4 Paving - 2020

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	0.1151	1.1924	1.2415	1 9300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	169.5576	169 5576	0.0548	0.0000	170.7092
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1437**	**1.1924**	**1.2415**	**1.9300e-003**		**0.0639**	**0.0639**		**0.0588**	**0.0588**	**0.0000**	**169.5576**	**169.5576**	**0.0548**	**0.0000**	**170.7092**

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	3.3300e-003	5.7700e-003	0.0544	1 9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total	**3.3300e-003**	**5.7700e-003**	**0.0544**	**1.9000e-004**	**0.0160**	**1.0000e-004**	**0.0161**	**4.2600e-003**	**9.0000e-005**	**4.3600e-003**	**0.0000**	**12.0504**	**12.0504**	**5.2000e-004**	**0.0000**	**12.0614**

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	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466	0.0000	102.6392	102.6392	0.0250	0.0000	103.1643
Total	**0.0940**	**0.8492**	**0.7480**	**1.1900e-003**		**0.0495**	**0.0495**		**0.0466**	**0.0466**	**0.0000**	**102.6392**	**102.6392**	**0.0250**	**0.0000**	**103.1643**

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	0.3200	2.0485	4.6060	8.0700e-003	0.2192	0.0344	0.2536	0.0630	0.0316	0.0947	0.0000	684.0298	684.0298	5.1300e-003	0.0000	684.1375
Worker	0.2686	0.4663	4.3899	0.0151	1.2955	8.2200e-003	1.3038	0.3444	7.6200e-003	0.3520	0.0000	973.2965	973 2965	0.0423	0.0000	974.1842
Total	**0.5886**	**2.5147**	**8.9959**	**0.0232**	**1.5148**	**0.0426**	**1.5573**	**0.4075**	**0.0392**	**0.4467**	**0.0000**	**1,657.3263**	**1,657.3263**	**0.0474**	**0.0000**	**1,658.3217**

3.5 Building Construction - 2020

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	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466	0.0000	102.6391	102.6391	0.0250	0.0000	103.1642
Total	**0.0940**	**0.8492**	**0.7480**	**1.1900e-003**		**0.0495**	**0.0495**		**0.0466**	**0.0466**	**0.0000**	**102.6391**	**102.6391**	**0.0250**	**0.0000**	**103.1642**

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	0.3200	2.0485	4.6060	8.0700e-003	0.2192	0.0344	0.2536	0.0630	0.0316	0.0947	0.0000	684.0298	684.0298	5.1300e-003	0.0000	684.1375
Worker	0.2686	0.4663	4.3899	0.0151	1.2955	8.2200e-003	1.3038	0.3444	7.6200e-003	0.3520	0.0000	973.2965	973 2965	0.0423	0.0000	974.1842
Total	**0.5886**	**2.5147**	**8.9959**	**0.0232**	**1.5148**	**0.0426**	**1.5573**	**0.4075**	**0.0392**	**0.4467**	**0.0000**	**1,657.3263**	**1,657.3263**	**0.0474**	**0.0000**	**1,658.3217**

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	0.2471	2.2629	2.1582	3 5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
Total	**0.2471**	**2.2629**	**2.1582**	**3.5000e-003**		**0.1246**	**0.1246**		**0.1172**	**0.1172**	**0.0000**	**301.0339**	**301.0339**	**0.0725**	**0.0000**	**302.5568**

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	0.8369	4.9817	12.5704	0.0236	0.6430	0.0903	0.7333	0.1849	0.0831	0.2680	0.0000	2,002.7826	2,002.7826	0.0149	0.0000	2,003.0953
Worker	0.7428	1.2768	12.0458	0.0443	3.7993	0.0241	3.8234	1.0100	0.0223	1.0324	0.0000	2,806.0585	2,806.0585	0.1181	0.0000	2,808.5393
Total	**1.5798**	**6.2585**	**24.6162**	**0.0679**	**4.4423**	**0.1144**	**4.5567**	**1.1949**	**0.1054**	**1.3004**	**0.0000**	**4,808.8411**	**4,808.8411**	**0.1330**	**0.0000**	**4,811.6346**

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3 5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
Total	**0.2471**	**2.2629**	**2.1582**	**3.5000e-003**		**0.1246**	**0.1246**		**0.1172**	**0.1172**	**0.0000**	**301.0335**	**301.0335**	**0.0725**	**0.0000**	**302.5565**

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	0.8369	4.9817	12.5704	0.0236	0.6430	0.0903	0.7333	0.1849	0.0831	0.2680	0.0000	2,002.7826	2,002.7826	0.0149	0.0000	2,003.0953
Worker	0.7428	1.2768	12.0458	0.0443	3.7993	0.0241	3.8234	1.0100	0.0223	1.0324	0.0000	2,806.0585	2,806.0585	0.1181	0.0000	2,808.5393
Total	**1.5798**	**6.2585**	**24.6162**	**0.0679**	**4.4423**	**0.1144**	**4.5567**	**1.1949**	**0.1054**	**1.3004**	**0.0000**	**4,808.8411**	**4,808.8411**	**0.1330**	**0.0000**	**4,811.6346**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9946	299 9946	0.0718	0.0000	301.5017
Total	**0.2209**	**2.0197**	**2.1226**	**3.4900e-003**		**0.1047**	**0.1047**		**0.0986**	**0.0986**	**0.0000**	**299.9946**	**299.9946**	**0.0718**	**0.0000**	**301.5017**

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	0.7881	4.4142	11.8242	0.0235	0.6407	0.0882	0.7288	0.1843	0.0811	0.2654	0.0000	1,993.7106	1,993.7106	0.0150	0.0000	1,994.0265
Worker	0.7007	1.1941	11.2743	0.0441	3.7847	0.0240	3.8088	1.0062	0.0223	1.0285	0.0000	2,751.8342	2,751.8342	0.1127	0.0000	2,754.2006
Total	**1.4888**	**5.6083**	**23.0985**	**0.0676**	**4.4254**	**0.1122**	**4.5376**	**1.1904**	**0.1034**	**1.2938**	**0.0000**	**4,745.5448**	**4,745.5448**	**0.1277**	**0.0000**	**4,748.2270**

3.5 Building Construction - 2022

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	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9943	299 9943	0.0718	0.0000	301.5013
Total	**0.2209**	**2.0197**	**2.1226**	**3.4900e-003**		**0.1047**	**0.1047**		**0.0986**	**0.0986**	**0.0000**	**299.9943**	**299.9943**	**0.0718**	**0.0000**	**301.5013**

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	0.7881	4.4142	11.8242	0.0235	0.6407	0.0882	0.7288	0.1843	0.0811	0.2654	0.0000	1,993.7106	1,993.7106	0.0150	0.0000	1,994.0265
Worker	0.7007	1.1941	11.2743	0.0441	3.7847	0.0240	3.8088	1.0062	0.0223	1.0285	0.0000	2,751.8342	2,751.8342	0.1127	0.0000	2,754.2006
Total	**1.4888**	**5.6083**	**23.0985**	**0.0676**	**4.4254**	**0.1122**	**4.5376**	**1.1904**	**0.1034**	**1.2938**	**0.0000**	**4,745.5448**	**4,745.5448**	**0.1277**	**0.0000**	**4,748.2270**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
Total	**0.2036**	**1.8606**	**2.1072**	**3.4900e-003**		**0.0906**	**0.0906**		**0.0852**	**0.0852**	**0.0000**	**300.0980**	**300.0980**	**0.0713**	**0.0000**	**301.5949**

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	0.6876	3.9470	10.5380	0.0234	0.6407	0.0826	0.7233	0.1843	0.0760	0.2602	0.0000	1,991.0711	1,991.0711	0.0142	0.0000	1,991.3702
Worker	0.6643	1.1251	10.6092	0.0441	3.7847	0.0241	3.8088	1.0062	0.0224	1.0285	0.0000	2,712.5938	2,712.5938	0.1083	0.0000	2,714.8676
Total	**1.3518**	**5.0721**	**21.1471**	**0.0676**	**4.4254**	**0.1067**	**4.5321**	**1.1904**	**0.0983**	**1.2887**	**0.0000**	**4,703.6649**	**4,703.6649**	**0.1225**	**0.0000**	**4,706.2378**

3.5 Building Construction - 2023

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	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
Total	**0.2036**	**1.8606**	**2.1072**	**3.4900e-003**		**0.0906**	**0.0906**		**0.0852**	**0.0852**	**0.0000**	**300.0976**	**300.0976**	**0.0713**	**0.0000**	**301.5946**

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	0.6876	3.9470	10.5380	0.0234	0.6407	0.0826	0.7233	0.1843	0.0760	0.2602	0.0000	1,991.0711	1,991.0711	0.0142	0.0000	1,991.3702
Worker	0.6643	1.1251	10.6092	0.0441	3.7847	0.0241	3.8088	1.0062	0.0224	1.0285	0.0000	2,712.5938	2,712.5938	0.1083	0.0000	2,714.8676
Total	**1.3518**	**5.0721**	**21.1471**	**0.0676**	**4.4254**	**0.1067**	**4.5321**	**1.1904**	**0.0983**	**1.2887**	**0.0000**	**4,703.6649**	**4,703.6649**	**0.1225**	**0.0000**	**4,706.2378**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7524	2.1135	3 5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
Total	**0.1920**	**1.7524**	**2.1135**	**3.5200e-003**		**0.0800**	**0.0800**		**0.0752**	**0.0752**	**0.0000**	**302.4646**	**302.4646**	**0.0714**	**0.0000**	**303.9643**

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	0.6798	3.9321	10.4112	0.0236	0.6458	0.0835	0.7293	0.1858	0.0768	0.2626	0.0000	2,007.1046	2,007.1046	0.0144	0.0000	2,007.4069
Worker	0.6378	1.0750	10.1575	0.0445	3.8138	0.0244	3.8382	1.0139	0.0226	1.0365	0.0000	2,698.3646	2,698.3646	0.1053	0.0000	2,700.5767
Total	**1.3176**	**5.0071**	**20.5687**	**0.0681**	**4.4596**	**0.1079**	**4.5675**	**1.1996**	**0.0994**	**1.2991**	**0.0000**	**4,705.4691**	**4,705.4691**	**0.1197**	**0.0000**	**4,707.9837**

3.5 Building Construction - 2024

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	0.1920	1.7524	2.1135	3 5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
Total	**0.1920**	**1.7524**	**2.1135**	**3.5200e-003**		**0.0800**	**0.0800**		**0.0752**	**0.0752**	**0.0000**	**302.4642**	**302.4642**	**0.0714**	**0.0000**	**303.9639**

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	0.6798	3.9321	10.4112	0.0236	0.6458	0.0835	0.7293	0.1858	0.0768	0.2626	0.0000	2,007.1046	2,007.1046	0.0144	0.0000	2,007.4069
Worker	0.6378	1.0750	10.1575	0.0445	3.8138	0.0244	3.8382	1.0139	0.0226	1.0365	0.0000	2,698.3646	2,698.3646	0.1053	0.0000	2,700.5767
Total	**1.3176**	**5.0071**	**20.5687**	**0.0681**	**4.4596**	**0.1079**	**4.5675**	**1.1996**	**0.0994**	**1.2991**	**0.0000**	**4,705.4691**	**4,705.4691**	**0.1197**	**0.0000**	**4,707.9837**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**	**0.0000**	**301.4019**	**301.4019**	**0.0707**	**0.0000**	**302.8874**

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	0.6550	3.8736	9.9746	0.0235	0.6434	0.0833	0.7268	0.1851	0.0767	0.2618	0.0000	1,999.9512	1,999.9512	0.0144	0.0000	2,000.2533
Worker	0.6087	1.0214	9.6778	0.0443	3.7993	0.0244	3.8237	1.0100	0.0227	1.0327	0.0000	2,657.3503	2,657.3503	0.1018	0.0000	2,659.4872
Total	**1.2638**	**4.8950**	**19.6524**	**0.0678**	**4.4427**	**0.1078**	**4.5505**	**1.1951**	**0.0993**	**1.2945**	**0.0000**	**4,657.3015**	**4,657.3015**	**0.1161**	**0.0000**	**4,659.7405**

3.5 Building Construction - 2025

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**	**0.0000**	**301.4015**	**301.4015**	**0.0707**	**0.0000**	**302.8871**

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	0.6550	3.8736	9.9746	0.0235	0.6434	0.0833	0.7268	0.1851	0.0767	0.2618	0.0000	1,999.9512	1,999.9512	0.0144	0.0000	2,000.2533
Worker	0.6087	1.0214	9.6778	0.0443	3.7993	0.0244	3.8237	1.0100	0.0227	1.0327	0.0000	2,657.3503	2,657.3503	0.1018	0.0000	2,659.4872
Total	**1.2638**	**4.8950**	**19.6524**	**0.0678**	**4.4427**	**0.1078**	**4.5505**	**1.1951**	**0.0993**	**1.2945**	**0.0000**	**4,657.3015**	**4,657.3015**	**0.1161**	**0.0000**	**4,659.7405**

3.5 Building Construction - 2026

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**	**0.0000**	**301.4019**	**301.4019**	**0.0707**	**0.0000**	**302.8874**

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	0.6483	3.8292	9.8528	0.0235	0.6435	0.0833	0.7268	0.1851	0.0766	0.2617	0.0000	2,000.4588	2,000.4588	0.0144	0.0000	2,000.7611
Worker	0.5852	0.9798	9.3105	0.0443	3.7993	0.0246	3.8239	1.0100	0.0229	1.0329	0.0000	2,630.9029	2,630.9029	0.0991	0.0000	2,632.9834
Total	**1.2335**	**4.8090**	**19.1634**	**0.0678**	**4.4428**	**0.1079**	**4.5507**	**1.1951**	**0.0995**	**1.2946**	**0.0000**	**4,631.3617**	**4,631.3617**	**0.1135**	**0.0000**	**4,633.7445**

3.5 Building Construction - 2026

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**	**0.0000**	**301.4015**	**301.4015**	**0.0707**	**0.0000**	**302.8871**

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	0.6483	3.8292	9.8528	0.0235	0.6435	0.0833	0.7268	0.1851	0.0766	0.2617	0.0000	2,000.4588	2,000.4588	0.0144	0.0000	2,000.7611
Worker	0.5852	0.9798	9.3105	0.0443	3.7993	0.0246	3.8239	1.0100	0.0229	1.0329	0.0000	2,630.9029	2,630.9029	0.0991	0.0000	2,632.9834
Total	**1.2335**	**4.8090**	**19.1634**	**0.0678**	**4.4428**	**0.1079**	**4.5507**	**1.1951**	**0.0995**	**1.2946**	**0.0000**	**4,631.3617**	**4,631.3617**	**0.1135**	**0.0000**	**4,633.7445**

3.5 Building Construction - 2027

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**	**0.0000**	**301.4019**	**301.4019**	**0.0707**	**0.0000**	**302.8874**

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	0.6503	3.7989	9.8099	0.0235	0.6436	0.0834	0.7269	0.1852	0.0767	0.2618	0.0000	2,001.0067	2,001.0067	0.0144	0.0000	2,001.3095
Worker	0.5632	0.9424	8.9844	0.0443	3.7993	0.0248	3.8241	1.0100	0.0230	1.0331	0.0000	2,607.8927	2,607.8927	0.0967	0.0000	2,609.9225
Total	**1.2135**	**4.7413**	**18.7944**	**0.0678**	**4.4429**	**0.1082**	**4.5510**	**1.1952**	**0.0997**	**1.2949**	**0.0000**	**4,608.8994**	**4,608.8994**	**0.1111**	**0.0000**	**4,611.2320**

3.5 Building Construction - 2027

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**	**0.0000**	**301.4015**	**301.4015**	**0.0707**	**0.0000**	**302.8871**

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	0.6503	3.7989	9.8099	0.0235	0.6436	0.0834	0.7269	0.1852	0.0767	0.2618	0.0000	2,001.0067	2,001.0067	0.0144	0.0000	2,001.3095
Worker	0.5632	0.9424	8.9844	0.0443	3.7993	0.0248	3.8241	1.0100	0.0230	1.0331	0.0000	2,607.8927	2,607.8927	0.0967	0.0000	2,609.9225
Total	**1.2135**	**4.7413**	**18.7944**	**0.0678**	**4.4429**	**0.1082**	**4.5510**	**1.1952**	**0.0997**	**1.2949**	**0.0000**	**4,608.8994**	**4,608.8994**	**0.1111**	**0.0000**	**4,611.2320**

3.5 Building Construction - 2028

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	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2471	300 2471	0.0705	0.0000	301.7269
Total	**0.1770**	**1.6133**	**2.0867**	**3.4900e-003**		**0.0683**	**0.0683**		**0.0642**	**0.0642**	**0.0000**	**300.2471**	**300.2471**	**0.0705**	**0.0000**	**301.7269**

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	0.6468	3.7556	9.7141	0.0235	0.6412	0.0830	0.7242	0.1845	0.0764	0.2609	0.0000	1,993.7910	1,993.7910	0.0144	0.0000	1,994.0929
Worker	0.5407	0.9048	8.6627	0.0441	3.7847	0.0249	3.8096	1.0062	0.0231	1.0292	0.0000	2,578.1626	2,578.1626	0.0941	0.0000	2,580.1389
Total	**1.1875**	**4.6604**	**18.3767**	**0.0676**	**4.4259**	**0.1079**	**4.5338**	**1.1906**	**0.0995**	**1.2901**	**0.0000**	**4,571.9536**	**4,571.9536**	**0.1085**	**0.0000**	**4,574.2318**

3.5 Building Construction - 2028

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	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2467	300 2467	0.0705	0.0000	301.7266
Total	**0.1770**	**1.6133**	**2.0867**	**3.4900e-003**		**0.0683**	**0.0683**		**0.0642**	**0.0642**	**0.0000**	**300.2467**	**300.2467**	**0.0705**	**0.0000**	**301.7266**

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	0.6468	3.7556	9.7141	0.0235	0.6412	0.0830	0.7242	0.1845	0.0764	0.2609	0.0000	1,993.7910	1,993.7910	0.0144	0.0000	1,994.0929
Worker	0.5407	0.9048	8.6627	0.0441	3.7847	0.0249	3.8096	1.0062	0.0231	1.0292	0.0000	2,578.1626	2,578.1626	0.0941	0.0000	2,580.1389
Total	**1.1875**	**4.6604**	**18.3767**	**0.0676**	**4.4259**	**0.1079**	**4.5338**	**1.1906**	**0.0995**	**1.2901**	**0.0000**	**4,571.9536**	**4,571.9536**	**0.1085**	**0.0000**	**4,574.2318**

3.5 Building Construction - 2029

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**	**0.0000**	**301.4019**	**301.4019**	**0.0707**	**0.0000**	**302.8874**

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	0.6490	3.7469	9.7143	0.0236	0.6437	0.0833	0.7271	0.1852	0.0767	0.2619	0.0000	2,001.8424	2,001.8424	0.0144	0.0000	2,002.1456
Worker	0.5226	0.8752	8.4172	0.0443	3.7993	0.0251	3.8244	1.0100	0.0233	1.0333	0.0000	2,571.0467	2,571.0467	0.0924	0.0000	2,572.9864
Total	**1.1716**	**4.6220**	**18.1315**	**0.0678**	**4.4430**	**0.1084**	**4.5514**	**1.1952**	**0.0999**	**1.2952**	**0.0000**	**4,572.8891**	**4,572.8891**	**0.1068**	**0.0000**	**4,575.1321**

3.5 Building Construction - 2029

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**	**0.0000**	**301.4015**	**301.4015**	**0.0707**	**0.0000**	**302.8871**

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	0.6490	3.7469	9.7143	0.0236	0.6437	0.0833	0.7271	0.1852	0.0767	0.2619	0.0000	2,001.8424	2,001.8424	0.0144	0.0000	2,002.1456
Worker	0.5226	0.8752	8.4172	0.0443	3.7993	0.0251	3.8244	1.0100	0.0233	1.0333	0.0000	2,571.0467	2,571.0467	0.0924	0.0000	2,572.9864
Total	**1.1716**	**4.6220**	**18.1315**	**0.0678**	**4.4430**	**0.1084**	**4.5514**	**1.1952**	**0.0999**	**1.2952**	**0.0000**	**4,572.8891**	**4,572.8891**	**0.1068**	**0.0000**	**4,575.1321**

3.5 Building Construction - 2030

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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341 5281	0.0137	0.0000	341.8160
Total	**0.1702**	**1.0333**	**2.1051**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**341.5281**	**341.5281**	**0.0137**	**0.0000**	**341.8160**

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	0.6386	3.7188	9.6066	0.0236	0.6438	0.0833	0.7271	0.1852	0.0766	0.2619	0.0000	2,002.0523	2,002.0523	0.0145	0.0000	2,002.3557
Worker	0.5043	0.8462	8.1872	0.0443	3.7993	0.0252	3.8245	1.0100	0.0234	1.0334	0.0000	2,556.6666	2,556.6666	0.0905	0.0000	2,558.5670
Total	**1.1429**	**4.5651**	**17.7938**	**0.0678**	**4.4431**	**0.1085**	**4.5515**	**1.1953**	**0.1000**	**1.2952**	**0.0000**	**4,558.7189**	**4,558.7189**	**0.1050**	**0.0000**	**4,560.9228**

3.5 Building Construction - 2030

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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341 5277	0.0137	0.0000	341.8156
Total	**0.1702**	**1.0333**	**2.1051**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**341.5277**	**341.5277**	**0.0137**	**0.0000**	**341.8156**

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	0.6386	3.7188	9.6066	0.0236	0.6438	0.0833	0.7271	0.1852	0.0766	0.2619	0.0000	2,002.0523	2,002.0523	0.0145	0.0000	2,002.3557
Worker	0.5043	0.8462	8.1872	0.0443	3.7993	0.0252	3.8245	1.0100	0.0234	1.0334	0.0000	2,556.6666	2,556.6666	0.0905	0.0000	2,558.5670
Total	**1.1429**	**4.5651**	**17.7938**	**0.0678**	**4.4431**	**0.1085**	**4.5515**	**1.1953**	**0.1000**	**1.2952**	**0.0000**	**4,558.7189**	**4,558.7189**	**0.1050**	**0.0000**	**4,560.9228**

3.5 Building Construction - 2031

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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341 5281	0.0137	0.0000	341.8160
Total	**0.1702**	**1.0333**	**2.1051**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**341.5281**	**341.5281**	**0.0137**	**0.0000**	**341.8160**

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	0.6427	3.7023	9.6080	0.0236	0.6439	0.0833	0.7272	0.1853	0.0767	0.2619	0.0000	2,002.5152	2,002.5152	0.0145	0.0000	2,002.8188
Worker	0.4868	0.8185	7.9736	0.0443	3.7993	0.0252	3.8245	1.0100	0.0234	1.0334	0.0000	2,544.5653	2,544.5653	0.0888	0.0000	2,546.4291
Total	**1.1294**	**4.5208**	**17.5816**	**0.0679**	**4.4431**	**0.1085**	**4.5517**	**1.1953**	**0.1001**	**1.2953**	**0.0000**	**4,547.0805**	**4,547.0805**	**0.1032**	**0.0000**	**4,549.2479**

3.5 Building Construction - 2031

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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341 5277	0.0137	0.0000	341.8156
Total	**0.1702**	**1.0333**	**2.1051**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**341.5277**	**341.5277**	**0.0137**	**0.0000**	**341.8156**

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	0.6427	3.7023	9.6080	0.0236	0.6439	0.0833	0.7272	0.1853	0.0767	0.2619	0.0000	2,002.5152	2,002.5152	0.0145	0.0000	2,002.8188
Worker	0.4868	0.8185	7.9736	0.0443	3.7993	0.0252	3.8245	1.0100	0.0234	1.0334	0.0000	2,544.5653	2,544.5653	0.0888	0.0000	2,546.4291
Total	**1.1294**	**4.5208**	**17.5816**	**0.0679**	**4.4431**	**0.1085**	**4.5517**	**1.1953**	**0.1001**	**1.2953**	**0.0000**	**4,547.0805**	**4,547.0805**	**0.1032**	**0.0000**	**4,549.2479**

3.5 Building Construction - 2032

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	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8367	342 8367	0.0138	0.0000	343.1257
Total	**0.1708**	**1.0372**	**2.1132**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**342.8367**	**342.8367**	**0.0138**	**0.0000**	**343.1257**

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	0.6488	3.7028	9.6438	0.0237	0.6464	0.0837	0.7301	0.1860	0.0770	0.2630	0.0000	2,010.6767	2,010.6767	0.0145	0.0000	2,010.9817
Worker	0.4725	0.7973	7.8191	0.0445	3.8138	0.0253	3.8392	1.0139	0.0235	1.0374	0.0000	2,544.1519	2,544.1519	0.0875	0.0000	2,545.9903
Total	**1.1213**	**4.5001**	**17.4629**	**0.0681**	**4.4602**	**0.1090**	**4.5692**	**1.1999**	**0.1005**	**1.3004**	**0.0000**	**4,554.8285**	**4,554.8285**	**0.1021**	**0.0000**	**4,556.9720**

3.5 Building Construction - 2032

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	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8363	342 8363	0.0138	0.0000	343.1252
Total	**0.1708**	**1.0372**	**2.1132**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**342.8363**	**342.8363**	**0.0138**	**0.0000**	**343.1252**

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	0.6488	3.7028	9.6438	0.0237	0.6464	0.0837	0.7301	0.1860	0.0770	0.2630	0.0000	2,010.6767	2,010.6767	0.0145	0.0000	2,010.9817
Worker	0.4725	0.7973	7.8191	0.0445	3.8138	0.0253	3.8392	1.0139	0.0235	1.0374	0.0000	2,544.1519	2,544.1519	0.0875	0.0000	2,545.9903
Total	**1.1213**	**4.5001**	**17.4629**	**0.0681**	**4.4602**	**0.1090**	**4.5692**	**1.1999**	**0.1005**	**1.3004**	**0.0000**	**4,554.8285**	**4,554.8285**	**0.1021**	**0.0000**	**4,556.9720**

3.5 Building Construction - 2033

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	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2196	340 2196	0.0137	0.0000	340.5064
Total	**0.1695**	**1.0293**	**2.0971**	**4.0100e-003**		**0.0192**	**0.0192**		**0.0192**	**0.0192**	**0.0000**	**340.2196**	**340.2196**	**0.0137**	**0.0000**	**340.5064**

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	0.6441	3.6590	9.5560	0.0235	0.6415	0.0830	0.7246	0.1846	0.0764	0.2610	0.0000	1,995.7290	1,995.7290	0.0144	0.0000	1,996.0318
Worker	0.4545	0.7713	7.6107	0.0441	3.7847	0.0252	3.8099	1.0062	0.0233	1.0295	0.0000	2,516.3773	2,516.3773	0.0856	0.0000	2,518.1744
Total	**1.0985**	**4.4304**	**17.1667**	**0.0676**	**4.4263**	**0.1082**	**4.5344**	**1.1908**	**0.0997**	**1.2905**	**0.0000**	**4,512.1063**	**4,512.1063**	**0.1000**	**0.0000**	**4,514.2062**

3.5 Building Construction - 2033

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	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2192	340 2192	0.0137	0.0000	340.5060
Total	**0.1695**	**1.0293**	**2.0971**	**4.0100e-003**		**0.0192**	**0.0192**		**0.0192**	**0.0192**	**0.0000**	**340.2192**	**340.2192**	**0.0137**	**0.0000**	**340.5060**

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	0.6441	3.6590	9.5560	0.0235	0.6415	0.0830	0.7246	0.1846	0.0764	0.2610	0.0000	1,995.7290	1,995.7290	0.0144	0.0000	1,996.0318
Worker	0.4545	0.7713	7.6107	0.0441	3.7847	0.0252	3.8099	1.0062	0.0233	1.0295	0.0000	2,516.3773	2,516.3773	0.0856	0.0000	2,518.1744
Total	**1.0985**	**4.4304**	**17.1667**	**0.0676**	**4.4263**	**0.1082**	**4.5344**	**1.1908**	**0.0997**	**1.2905**	**0.0000**	**4,512.1063**	**4,512.1063**	**0.1000**	**0.0000**	**4,514.2062**

3.5 Building Construction - 2034

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	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2196	340 2196	0.0137	0.0000	340.5064
Total	**0.1695**	**1.0293**	**2.0971**	**4.0100e-003**		**0.0192**	**0.0192**		**0.0192**	**0.0192**	**0.0000**	**340.2196**	**340.2196**	**0.0137**	**0.0000**	**340.5064**

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	0.6436	3.6462	9.5494	0.0235	0.6416	0.0830	0.7246	0.1846	0.0764	0.2610	0.0000	1,996.0944	1,996.0944	0.0144	0.0000	1,996.3974
Worker	0.4399	0.7546	7.4677	0.0441	3.7847	0.0251	3.8099	1.0062	0.0233	1.0295	0.0000	2,509.3170	2,509.3170	0.0844	0.0000	2,511.0884
Total	**1.0835**	**4.4008**	**17.0171**	**0.0676**	**4.4263**	**0.1082**	**4.5345**	**1.1908**	**0.0997**	**1.2905**	**0.0000**	**4,505.4114**	**4,505.4114**	**0.0988**	**0.0000**	**4,507.4858**

3.5 Building Construction - 2034

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	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2192	340 2192	0.0137	0.0000	340.5060
Total	**0.1695**	**1.0293**	**2.0971**	**4.0100e-003**		**0.0192**	**0.0192**		**0.0192**	**0.0192**	**0.0000**	**340.2192**	**340.2192**	**0.0137**	**0.0000**	**340.5060**

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	0.6436	3.6462	9.5494	0.0235	0.6416	0.0830	0.7246	0.1846	0.0764	0.2610	0.0000	1,996.0944	1,996.0944	0.0144	0.0000	1,996.3974
Worker	0.4399	0.7546	7.4677	0.0441	3.7847	0.0251	3.8099	1.0062	0.0233	1.0295	0.0000	2,509.3170	2,509.3170	0.0844	0.0000	2,511.0884
Total	**1.0835**	**4.4008**	**17.0171**	**0.0676**	**4.4263**	**0.1082**	**4.5345**	**1.1908**	**0.0997**	**1.2905**	**0.0000**	**4,505.4114**	**4,505.4114**	**0.0988**	**0.0000**	**4,507.4858**

3.5 Building Construction - 2035

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	0.0727	0.4291	0.9655	1 8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473
Total	**0.0727**	**0.4291**	**0.9655**	**1.8500e-003**		**5.4000e-003**	**5.4000e-003**		**5.4000e-003**	**5.4000e-003**	**0.0000**	**157.0244**	**157.0244**	**5.8500e-003**	**0.0000**	**157.1473**

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	0.2955	1.6774	4.4028	0.0108	0.2962	0.0383	0.3344	0.0852	0.0352	0.1205	0.0000	921.3966	921 3966	6.6600e-003	0.0000	921.5364
Worker	0.1970	0.3423	3.3894	0.0204	1.7468	0.0116	1.7584	0.4644	0.0108	0.4751	0.0000	1,155.4445	1,155.4445	0.0384	0.0000	1,156.2516
Total	**0.4925**	**2.0197**	**7.7921**	**0.0312**	**2.0429**	**0.0499**	**2.0928**	**0.5496**	**0.0460**	**0.5956**	**0.0000**	**2,076.8410**	**2,076.8410**	**0.0451**	**0.0000**	**2,077.7881**

3.5 Building Construction - 2035

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	0.0727	0.4291	0.9655	1 8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471
Total	**0.0727**	**0.4291**	**0.9655**	**1.8500e-003**		**5.4000e-003**	**5.4000e-003**		**5.4000e-003**	**5.4000e-003**	**0.0000**	**157.0242**	**157.0242**	**5.8500e-003**	**0.0000**	**157.1471**

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	0.2955	1.6774	4.4028	0.0108	0.2962	0.0383	0.3344	0.0852	0.0352	0.1205	0.0000	921.3966	921 3966	6.6600e-003	0.0000	921.5364
Worker	0.1970	0.3423	3.3894	0.0204	1.7468	0.0116	1.7584	0.4644	0.0108	0.4751	0.0000	1,155.4445	1,155.4445	0.0384	0.0000	1,156.2516
Total	**0.4925**	**2.0197**	**7.7921**	**0.0312**	**2.0429**	**0.0499**	**2.0928**	**0.5496**	**0.0460**	**0.5956**	**0.0000**	**2,076.8410**	**2,076.8410**	**0.0451**	**0.0000**	**2,077.7881**

3.6 Architectural Coating - 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					
Archit. Coating	0.5466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5700e-003	0.0665	0.0723	1 2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003	0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018
Total	**0.5562**	**0.0665**	**0.0723**	**1.2000e-004**		**4.3800e-003**	**4.3800e-003**		**4.3800e-003**	**4.3800e-003**	**0.0000**	**10.0854**	**10.0854**	**7.8000e-004**	**0.0000**	**10.1018**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0477	0.0828	0.7793	2.6800e-003	0.2300	1.4600e-003	0.2315	0.0611	1.3500e-003	0.0625	0.0000	172.7875	172.7875	7.5100e-003	0.0000	172.9451
Total	**0.0477**	**0.0828**	**0.7793**	**2.6800e-003**	**0.2300**	**1.4600e-003**	**0.2315**	**0.0611**	**1.3500e-003**	**0.0625**	**0.0000**	**172.7875**	**172.7875**	**7.5100e-003**	**0.0000**	**172.9451**

3.6 Architectural Coating - 2020

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	0.5466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5700e-003	0.0665	0.0723	1 2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003	0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017
Total	**0.5562**	**0.0665**	**0.0723**	**1.2000e-004**		**4.3800e-003**	**4.3800e-003**		**4.3800e-003**	**4.3800e-003**	**0.0000**	**10.0853**	**10.0853**	**7.8000e-004**	**0.0000**	**10.1017**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0477	0.0828	0.7793	2.6800e-003	0.2300	1.4600e-003	0.2315	0.0611	1.3500e-003	0.0625	0.0000	172.7875	172.7875	7.5100e-003	0.0000	172.9451
Total	**0.0477**	**0.0828**	**0.7793**	**2.6800e-003**	**0.2300**	**1.4600e-003**	**0.2315**	**0.0611**	**1.3500e-003**	**0.0625**	**0.0000**	**172.7875**	**172.7875**	**7.5100e-003**	**0.0000**	**172.9451**

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	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3 9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680
Total	**1.8346**	**0.1993**	**0.2372**	**3.9000e-004**		**0.0123**	**0.0123**		**0.0123**	**0.0123**	**0.0000**	**33.3200**	**33.3200**	**2.2900e-003**	**0.0000**	**33.3680**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1486	0.2554	2.4092	8 8600e-003	0.7599	4.8200e-003	0.7647	0.2020	4.4700e-003	0.2065	0.0000	561.2117	561 2117	0.0236	0.0000	561.7079
Total	**0.1486**	**0.2554**	**2.4092**	**8.8600e-003**	**0.7599**	**4.8200e-003**	**0.7647**	**0.2020**	**4.4700e-003**	**0.2065**	**0.0000**	**561.2117**	**561.2117**	**0.0236**	**0.0000**	**561.7079**

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3 9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679
Total	**1.8346**	**0.1993**	**0.2372**	**3.9000e-004**		**0.0123**	**0.0123**		**0.0123**	**0.0123**	**0.0000**	**33.3199**	**33.3199**	**2.2900e-003**	**0.0000**	**33.3679**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1486	0.2554	2.4092	8 8600e-003	0.7599	4.8200e-003	0.7647	0.2020	4.4700e-003	0.2065	0.0000	561.2117	561 2117	0.0236	0.0000	561.7079
Total	**0.1486**	**0.2554**	**2.4092**	**8.8600e-003**	**0.7599**	**4.8200e-003**	**0.7647**	**0.2020**	**4.4700e-003**	**0.2065**	**0.0000**	**561.2117**	**561.2117**	**0.0236**	**0.0000**	**561.7079**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3 9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377
Total	**1.8257**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**	**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2377**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1402	0.2388	2.2549	8 8300e-003	0.7569	4.8100e-003	0.7618	0.2012	4.4600e-003	0.2057	0.0000	550.3668	550 3668	0.0225	0.0000	550.8401
Total	**0.1402**	**0.2388**	**2.2549**	**8.8300e-003**	**0.7569**	**4.8100e-003**	**0.7618**	**0.2012**	**4.4600e-003**	**0.2057**	**0.0000**	**550.3668**	**550.3668**	**0.0225**	**0.0000**	**550.8401**

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3 9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376
Total	**1.8257**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**	**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2376**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1402	0.2388	2.2549	8 8300e-003	0.7569	4.8100e-003	0.7618	0.2012	4.4600e-003	0.2057	0.0000	550.3668	550 3668	0.0225	0.0000	550.8401
Total	**0.1402**	**0.2388**	**2.2549**	**8.8300e-003**	**0.7569**	**4.8100e-003**	**0.7618**	**0.2012**	**4.4600e-003**	**0.2057**	**0.0000**	**550.3668**	**550.3668**	**0.0225**	**0.0000**	**550.8401**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3 9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total	**1.8240**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2340**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1329	0.2250	2.1218	8 8300e-003	0.7569	4.8200e-003	0.7618	0.2012	4.4700e-003	0.2057	0.0000	542.5188	542 5188	0.0217	0.0000	542.9735
Total	**0.1329**	**0.2250**	**2.1218**	**8.8300e-003**	**0.7569**	**4.8200e-003**	**0.7618**	**0.2012**	**4.4700e-003**	**0.2057**	**0.0000**	**542.5188**	**542.5188**	**0.0217**	**0.0000**	**542.9735**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3 9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total	**1.8240**	**0.1694**	**0.2354**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2340**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1329	0.2250	2.1218	8 8300e-003	0.7569	4.8200e-003	0.7618	0.2012	4.4700e-003	0.2057	0.0000	542.5188	542 5188	0.0217	0.0000	542.9735
Total	**0.1329**	**0.2250**	**2.1218**	**8.8300e-003**	**0.7569**	**4.8200e-003**	**0.7618**	**0.2012**	**4.4700e-003**	**0.2057**	**0.0000**	**542.5188**	**542.5188**	**0.0217**	**0.0000**	**542.9735**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8129					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3 9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872
Total	**1.8366**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4872**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1276	0.2150	2.0315	8 8900e-003	0.7628	4.8800e-003	0.7676	0.2028	4.5200e-003	0.2073	0.0000	539.6729	539.6729	0.0211	0.0000	540.1154
Total	**0.1276**	**0.2150**	**2.0315**	**8.8900e-003**	**0.7628**	**4.8800e-003**	**0.7676**	**0.2028**	**4.5200e-003**	**0.2073**	**0.0000**	**539.6729**	**539.6729**	**0.0211**	**0.0000**	**540.1154**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8129					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3 9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871
Total	**1.8366**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1276	0.2150	2.0315	8 8900e-003	0.7628	4.8800e-003	0.7676	0.2028	4.5200e-003	0.2073	0.0000	539.6729	539.6729	0.0211	0.0000	540.1154
Total	**0.1276**	**0.2150**	**2.0315**	**8.8900e-003**	**0.7628**	**4.8800e-003**	**0.7676**	**0.2028**	**4.5200e-003**	**0.2073**	**0.0000**	**539.6729**	**539.6729**	**0.0211**	**0.0000**	**540.1154**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total	**1.8283**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1218	0.2043	1.9356	8 8600e-003	0.7599	4.8900e-003	0.7647	0.2020	4.5300e-003	0.2065	0.0000	531.4701	531.4701	0.0204	0.0000	531.8974
Total	**0.1218**	**0.2043**	**1.9356**	**8.8600e-003**	**0.7599**	**4.8900e-003**	**0.7647**	**0.2020**	**4.5300e-003**	**0.2065**	**0.0000**	**531.4701**	**531.4701**	**0.0204**	**0.0000**	**531.8974**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total	**1.8283**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1218	0.2043	1.9356	8 8600e-003	0.7599	4.8900e-003	0.7647	0.2020	4.5300e-003	0.2065	0.0000	531.4701	531.4701	0.0204	0.0000	531.8974
Total	**0.1218**	**0.2043**	**1.9356**	**8.8600e-003**	**0.7599**	**4.8900e-003**	**0.7647**	**0.2020**	**4.5300e-003**	**0.2065**	**0.0000**	**531.4701**	**531.4701**	**0.0204**	**0.0000**	**531.8974**

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total	**1.8283**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1171	0.1960	1.8621	8 8600e-003	0.7599	4.9300e-003	0.7648	0.2020	4.5700e-003	0.2066	0.0000	526.1806	526.1806	0.0198	0.0000	526.5967
Total	**0.1171**	**0.1960**	**1.8621**	**8.8600e-003**	**0.7599**	**4.9300e-003**	**0.7648**	**0.2020**	**4.5700e-003**	**0.2066**	**0.0000**	**526.1806**	**526.1806**	**0.0198**	**0.0000**	**526.5967**

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total	**1.8283**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1171	0.1960	1.8621	8 8600e-003	0.7599	4.9300e-003	0.7648	0.2020	4.5700e-003	0.2066	0.0000	526.1806	526.1806	0.0198	0.0000	526.5967
Total	**0.1171**	**0.1960**	**1.8621**	**8.8600e-003**	**0.7599**	**4.9300e-003**	**0.7648**	**0.2020**	**4.5700e-003**	**0.2066**	**0.0000**	**526.1806**	**526.1806**	**0.0198**	**0.0000**	**526.5967**

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total	**1.8283**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1126	0.1885	1.7969	8 8600e-003	0.7599	4.9600e-003	0.7648	0.2020	4.6100e-003	0.2066	0.0000	521.5785	521 5785	0.0193	0.0000	521.9845
Total	**0.1126**	**0.1885**	**1.7969**	**8.8600e-003**	**0.7599**	**4.9600e-003**	**0.7648**	**0.2020**	**4.6100e-003**	**0.2066**	**0.0000**	**521.5785**	**521.5785**	**0.0193**	**0.0000**	**521.9845**

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total	**1.8283**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1126	0.1885	1.7969	8 8600e-003	0.7599	4.9600e-003	0.7648	0.2020	4.6100e-003	0.2066	0.0000	521.5785	521 5785	0.0193	0.0000	521.9845
Total	**0.1126**	**0.1885**	**1.7969**	**8.8600e-003**	**0.7599**	**4.9600e-003**	**0.7648**	**0.2020**	**4.6100e-003**	**0.2066**	**0.0000**	**521.5785**	**521.5785**	**0.0193**	**0.0000**	**521.9845**

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3 9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total	**1.8213**	**0.1489**	**0.2352**	**3.9000e-004**		**6.7000e-003**	**6.7000e-003**		**6.7000e-003**	**6.7000e-003**	**0.0000**	**33.1923**	**33.1923**	**1.8100e-003**	**0.0000**	**33.2303**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1081	0.1810	1.7325	8 8200e-003	0.7569	4.9800e-003	0.7619	0.2012	4.6200e-003	0.2059	0.0000	515.6325	515.6325	0.0188	0.0000	516.0278
Total	**0.1081**	**0.1810**	**1.7325**	**8.8200e-003**	**0.7569**	**4.9800e-003**	**0.7619**	**0.2012**	**4.6200e-003**	**0.2059**	**0.0000**	**515.6325**	**515.6325**	**0.0188**	**0.0000**	**516.0278**

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3 9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total	**1.8213**	**0.1489**	**0.2352**	**3.9000e-004**		**6.7000e-003**	**6.7000e-003**		**6.7000e-003**	**6.7000e-003**	**0.0000**	**33.1923**	**33.1923**	**1.8100e-003**	**0.0000**	**33.2303**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1081	0.1810	1.7325	8 8200e-003	0.7569	4.9800e-003	0.7619	0.2012	4.6200e-003	0.2059	0.0000	515.6325	515.6325	0.0188	0.0000	516.0278
Total	**0.1081**	**0.1810**	**1.7325**	**8.8200e-003**	**0.7569**	**4.9800e-003**	**0.7619**	**0.2012**	**4.6200e-003**	**0.2059**	**0.0000**	**515.6325**	**515.6325**	**0.0188**	**0.0000**	**516.0278**

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total	**1.8283**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1045	0.1750	1.6834	8 8600e-003	0.7599	5.0200e-003	0.7649	0.2020	4.6600e-003	0.2067	0.0000	514.2093	514 2093	0.0185	0.0000	514.5973
Total	**0.1045**	**0.1750**	**1.6834**	**8.8600e-003**	**0.7599**	**5.0200e-003**	**0.7649**	**0.2020**	**4.6600e-003**	**0.2067**	**0.0000**	**514.2093**	**514.2093**	**0.0185**	**0.0000**	**514.5973**

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total	**1.8283**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**	**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1045	0.1750	1.6834	8 8600e-003	0.7599	5.0200e-003	0.7649	0.2020	4.6600e-003	0.2067	0.0000	514.2093	514 2093	0.0185	0.0000	514.5973
Total	**0.1045**	**0.1750**	**1.6834**	**8.8600e-003**	**0.7599**	**5.0200e-003**	**0.7649**	**0.2020**	**4.6600e-003**	**0.2067**	**0.0000**	**514.2093**	**514.2093**	**0.0185**	**0.0000**	**514.5973**

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3 9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total	**1.8231**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**33.3200**	**33.3200**	**1.3500e-003**	**0.0000**	**33.3483**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1009	0.1693	1.6374	8 8600e-003	0.7599	5.0400e-003	0.7649	0.2020	4.6700e-003	0.2067	0.0000	511.3333	511 3333	0.0181	0.0000	511.7134
Total	**0.1009**	**0.1693**	**1.6374**	**8.8600e-003**	**0.7599**	**5.0400e-003**	**0.7649**	**0.2020**	**4.6700e-003**	**0.2067**	**0.0000**	**511.3333**	**511.3333**	**0.0181**	**0.0000**	**511.7134**

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3 9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total	**1.8231**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**33.3199**	**33.3199**	**1.3500e-003**	**0.0000**	**33.3482**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1009	0.1693	1.6374	8 8600e-003	0.7599	5.0400e-003	0.7649	0.2020	4.6700e-003	0.2067	0.0000	511.3333	511 3333	0.0181	0.0000	511.7134
Total	**0.1009**	**0.1693**	**1.6374**	**8.8600e-003**	**0.7599**	**5.0400e-003**	**0.7649**	**0.2020**	**4.6700e-003**	**0.2067**	**0.0000**	**511.3333**	**511.3333**	**0.0181**	**0.0000**	**511.7134**

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3 9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total	**1.8231**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**33.3200**	**33.3200**	**1.3500e-003**	**0.0000**	**33.3483**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0974	0.1637	1.5947	8 8600e-003	0.7599	5.0400e-003	0.7649	0.2020	4.6800e-003	0.2067	0.0000	508.9131	508 9131	0.0178	0.0000	509.2858
Total	**0.0974**	**0.1637**	**1.5947**	**8.8600e-003**	**0.7599**	**5.0400e-003**	**0.7649**	**0.2020**	**4.6800e-003**	**0.2067**	**0.0000**	**508.9131**	**508.9131**	**0.0178**	**0.0000**	**509.2858**

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3 9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total	**1.8231**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**33.3199**	**33.3199**	**1.3500e-003**	**0.0000**	**33.3482**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0974	0.1637	1.5947	8 8600e-003	0.7599	5.0400e-003	0.7649	0.2020	4.6800e-003	0.2067	0.0000	508.9131	508 9131	0.0178	0.0000	509.2858
Total	**0.0974**	**0.1637**	**1.5947**	**8.8600e-003**	**0.7599**	**5.0400e-003**	**0.7649**	**0.2020**	**4.6800e-003**	**0.2067**	**0.0000**	**508.9131**	**508.9131**	**0.0178**	**0.0000**	**509.2858**

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8129					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1122	0.2355	3 9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761
Total	**1.8300**	**0.1122**	**0.2355**	**3.9000e-004**		**2.6600e-003**	**2.6600e-003**		**2.6600e-003**	**2.6600e-003**	**0.0000**	**33.4476**	**33.4476**	**1.3500e-003**	**0.0000**	**33.4761**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0945	0.1595	1.5638	8 8900e-003	0.7628	5.0700e-003	0.7678	0.2028	4.7000e-003	0.2075	0.0000	508.8304	508 8304	0.0175	0.0000	509.1981
Total	**0.0945**	**0.1595**	**1.5638**	**8.8900e-003**	**0.7628**	**5.0700e-003**	**0.7678**	**0.2028**	**4.7000e-003**	**0.2075**	**0.0000**	**508.8304**	**508.8304**	**0.0175**	**0.0000**	**509.1981**

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8129					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1122	0.2355	3 9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760
Total	**1.8300**	**0.1122**	**0.2355**	**3.9000e-004**		**2.6600e-003**	**2.6600e-003**		**2.6600e-003**	**2.6600e-003**	**0.0000**	**33.4476**	**33.4476**	**1.3500e-003**	**0.0000**	**33.4760**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0945	0.1595	1.5638	8 8900e-003	0.7628	5.0700e-003	0.7678	0.2028	4.7000e-003	0.2075	0.0000	508.8304	508 8304	0.0175	0.0000	509.1981
Total	**0.0945**	**0.1595**	**1.5638**	**8.8900e-003**	**0.7628**	**5.0700e-003**	**0.7678**	**0.2028**	**4.7000e-003**	**0.2075**	**0.0000**	**508.8304**	**508.8304**	**0.0175**	**0.0000**	**509.1981**

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3 9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total	**1.8161**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**	**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2205**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0909	0.1543	1.5221	8 8200e-003	0.7569	5.0300e-003	0.7620	0.2012	4.6700e-003	0.2059	0.0000	503.2755	503 2755	0.0171	0.0000	503.6349
Total	**0.0909**	**0.1543**	**1.5221**	**8.8200e-003**	**0.7569**	**5.0300e-003**	**0.7620**	**0.2012**	**4.6700e-003**	**0.2059**	**0.0000**	**503.2755**	**503.2755**	**0.0171**	**0.0000**	**503.6349**

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3 9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total	**1.8161**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**	**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2205**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0909	0.1543	1.5221	8 8200e-003	0.7569	5.0300e-003	0.7620	0.2012	4.6700e-003	0.2059	0.0000	503.2755	503 2755	0.0171	0.0000	503.6349
Total	**0.0909**	**0.1543**	**1.5221**	**8.8200e-003**	**0.7569**	**5.0300e-003**	**0.7620**	**0.2012**	**4.6700e-003**	**0.2059**	**0.0000**	**503.2755**	**503.2755**	**0.0171**	**0.0000**	**503.6349**

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3 9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total	**1.8161**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**	**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2205**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0880	0.1509	1.4935	8 8200e-003	0.7569	5.0300e-003	0.7620	0.2012	4.6600e-003	0.2059	0.0000	501.8634	501 8634	0.0169	0.0000	502.2177
Total	**0.0880**	**0.1509**	**1.4935**	**8.8200e-003**	**0.7569**	**5.0300e-003**	**0.7620**	**0.2012**	**4.6600e-003**	**0.2059**	**0.0000**	**501.8634**	**501.8634**	**0.0169**	**0.0000**	**502.2177**

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3 9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total	**1.8161**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**	**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2205**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0880	0.1509	1.4935	8 8200e-003	0.7569	5.0300e-003	0.7620	0.2012	4.6600e-003	0.2059	0.0000	501.8634	501 8634	0.0169	0.0000	502.2177
Total	**0.0880**	**0.1509**	**1.4935**	**8.8200e-003**	**0.7569**	**5.0300e-003**	**0.7620**	**0.2012**	**4.6600e-003**	**0.2059**	**0.0000**	**501.8634**	**501.8634**	**0.0169**	**0.0000**	**502.2177**

3.6 Architectural Coating - 2035

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	0.8995					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6600e-003	0.0493	0.1166	1 9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090
Total	**0.9072**	**0.0493**	**0.1166**	**1.9000e-004**		**6.4000e-004**	**6.4000e-004**		**6.4000e-004**	**6.4000e-004**	**0.0000**	**16.5962**	**16.5962**	**6.1000e-004**	**0.0000**	**16.6090**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0742	0.7344	4.4100e-003	0.3785	2.5100e-003	0.3810	0.1006	2.3300e-003	0.1029	0.0000	250.3463	250 3463	8.3300e-003	0.0000	250.5212
Total	**0.0427**	**0.0742**	**0.7344**	**4.4100e-003**	**0.3785**	**2.5100e-003**	**0.3810**	**0.1006**	**2.3300e-003**	**0.1029**	**0.0000**	**250.3463**	**250.3463**	**8.3300e-003**	**0.0000**	**250.5212**

3.6 Architectural Coating - 2035

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	0.8995					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6600e-003	0.0493	0.1166	1 9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090
Total	**0.9072**	**0.0493**	**0.1166**	**1.9000e-004**		**6.4000e-004**	**6.4000e-004**		**6.4000e-004**	**6.4000e-004**	**0.0000**	**16.5961**	**16.5961**	**6.1000e-004**	**0.0000**	**16.6090**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0742	0.7344	4.4100e-003	0.3785	2.5100e-003	0.3810	0.1006	2.3300e-003	0.1029	0.0000	250.3463	250 3463	8.3300e-003	0.0000	250.5212
Total	**0.0427**	**0.0742**	**0.7344**	**4.4100e-003**	**0.3785**	**2.5100e-003**	**0.3810**	**0.1006**	**2.3300e-003**	**0.1029**	**0.0000**	**250.3463**	**250.3463**	**8.3300e-003**	**0.0000**	**250.5212**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.9232	14 2563	70.7687	0.2064	13.0347	0.3028	13.3375	3.5071	0.2794	3.7866	0.0000	13,747.7108	13,747.7108	0.3275	0.0000	13,754.5886
Unmitigated	7.9232	14 2563	70.7687	0.2064	13.0347	0.3028	13.3375	3.5071	0.2794	3.7866	0.0000	13,747.7108	13,747.7108	0.3275	0.0000	13,754.5886

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	5,601.50	6,086.00	5159.50	10,167,045	10,167,045
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	1,225.50	1,228.50	892.50	1,152,382	1,152,382
Manufacturing	3,376.88	1,317.16	548.08	5,034,817	5,034,817
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	3,660,692	3,660,692
Regional Shopping Center	1,080.37	1,257.25	635.04	921,030	921,030
Research & Development	12,246.10	2,869.00	1676.10	13,238,380	13,238,380
Research & Development	372.25	87.21	50.95	402,412	402,412
Total	28,196.60	17,842.12	11,486.17	34,576,758	34,576,758

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	8.18	3.46	3.84	42.60	21.00	36.40	86	11	3
Enclosed Parking with Elevator	7.15	3.21	3.21	0.00	0.00	0.00	0	0	0
Hotel	7.15	3.21	3.21	19.40	61.60	19.00	58	38	4
Manufacturing	7.15	3.21	3.21	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	7.15	3.21	3.21	0.00	0.00	0.00	0	0	0
Parking Lot	7.15	3.21	3.21	0.00	0.00	0.00	0	0	0
Regional Shopping Center	7.15	3.21	3.21	16.30	64.70	19.00	54	35	11
Regional Shopping Center	7.15	3.21	3.21	16.30	64.70	19.00	54	35	11
Research & Development	7.15	3.21	3.21	33.00	48.00	19.00	82	15	3
Research & Development	7.15	3.21	3.21	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	2,521.3560	2,521.3560	0.1946	0.0403	2,537.9266
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,409.1552	5,409.1552	0.4176	0.0864	5,444.7046
NaturalGas Mitigated	0.2443	2.2020	1.7280	0.0133		0.1688	0.1688		0.1688	0.1688	0.0000	2,417.5691	2,417.5691	0.0463	0.0443	2,432.2820
NaturalGas Unmitigated	0.3450	3.1117	2.4519	0.0188		0.2384	0.2384		0.2384	0.2384	0.0000	3,414.6338	3,414.6338	0.0655	0.0626	3,435.4147

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					
Apartments Mid Rise	8.48085e+006	0.0457	0.3908	0.1663	2.4900e-003		0.0316	0.0316		0.0316	0.0316	0.0000	452.5704	452.5704	8.6700e-003	8.3000e-003	455.3247
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	6.12236e+006	0.0330	0.3001	0.2521	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	326.7123	326.7123	6.2600e-003	5.9900e-003	328.7007
Manufacturing	1.73352e+007	0.0935	0.8498	0.7138	5.1000e-003		0.0646	0.0646		0.0646	0.0646	0.0000	925.0744	925.0744	0.0177	0.0170	930.7043
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.229e+006	6.6300e-003	0.0603	0.0506	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003	0.0000	65.5841	65.5841	1.2600e-003	1.2000e-003	65.9833
Regional Shopping Center	309155	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.4977	16.4977	3.2000e-004	3.0000e-004	16.5981
Research & Development	2.96111e+007	0.1597	1.4515	1.2193	8.7100e-003		0.1103	0.1103		0.1103	0.1103	0.0000	1,580.1611	1,580.1611	0.0303	0.0290	1,589.7777
Research & Development	900119	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	48.0338	48.0338	9.2000e-004	8.8000e-004	48.3261
Total		**0.3450**	**3.1117**	**2.4519**	**0.0188**		**0.2384**	**0.2384**		**0.2384**	**0.2384**	**0.0000**	**3,414.6338**	**3,414.6338**	**0.0655**	**0.0626**	**3,435.4147**

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	4.30264e+006	0.0232	0.2109	0.1772	1.2700e-003		0.0160	0.0160		0.0160	0.0160	0.0000	229.6052	229.6052	4.4000e-003	4.2100e-003	231.0025
Manufacturing	1.21506e+007	0.0655	0.5956	0.5003	3.5700e-003		0.0453	0.0453		0.0453	0.0453	0.0000	648.4012	648.4012	0.0124	0.0119	652.3473
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	219125	1.1800e-003	0.0107	9.0200e-003	6.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	11.6934	11.6934	2.2000e-004	2.1000e-004	11.7645
Regional Shopping Center	871100	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003	0.0000	46.4852	46.4852	8.9000e-004	8.5000e-004	46.7681
Research & Development	2.0755e+007	0.1119	1.0174	0.8546	6.1000e-003		0.0773	0.0773		0.0773	0.0773	0.0000	1,107.5632	1,107.5632	0.0212	0.0203	1,114.3036
Research & Development	630909	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6677	33.6677	6.5000e-004	6.2000e-004	33.8726
Apartments Mid Rise	6.37423e+006	0.0344	0.2937	0.1250	1.8700e-003		0.0238	0.0238		0.0238	0.0238	0.0000	340.1532	340.1532	6.5200e-003	6.2400e-003	342.2233
Total		**0.2443**	**2.2020**	**1.7280**	**0.0133**		**0.1688**	**0.1688**		**0.1688**	**0.1688**	**0.0000**	**2,417.5691**	**2,417.5691**	**0.0463**	**0.0443**	**2,432.2820**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.07563e+006	524.1048	0.0405	8.3700e-003	527.5492
Enclosed Parking with Elevator	1.49733e+006	255.1536	0.0197	4.0800e-003	256.8305
Hotel	1.63786e+006	279.0998	0.0215	4.4600e-003	280.9341
Manufacturing	8.15932e+006	1,390.3937	0.1073	0.0222	1,399.5315
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1.3359e+006	227.6445	0.0176	3.6400e-003	229.1406
Regional Shopping Center	1.339e+006	228.1731	0.0176	3.6400e-003	229.6727
Regional Shopping Center	336825	57.3969	4.4300e-003	9.2000e-004	57.7742
Research & Development	1.39373e+007	2,374.9937	0.1833	0.0379	2,390.6024
Research & Development	423666	72.1951	5.5700e-003	1.1500e-003	72.6696
Total		**5,409.1552**	**0.4175**	**0.0864**	**5,444.7046**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.4967e+006	255.0460	0.0197	4.0700e-003	256.7221
Enclosed Parking with Elevator	618038	105.3171	8.1300e-003	1.6800e-003	106.0093
Hotel	744114	126.8011	9.7900e-003	2.0300e-003	127.6345
Manufacturing	3.81181e+006	649.5534	0.0501	0.0104	653.8223
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	667949	113.8222	8.7900e-003	1.8200e-003	114.5703
Regional Shopping Center	150452	25.6379	1.9800e-003	4.1000e-004	25.8064
Regional Shopping Center	598100	101.9196	7.8700e-003	1.6300e-003	102.5894
Research & Development	197925	33.7275	2.6000e-003	5.4000e-004	33.9492
Research & Development	6.51112e+006	1,109.5312	0.0857	0.0177	1,116.8231
Total		**2,521.3560**	**0.1946**	**0.0403**	**2,537.9266**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	19.7613	0.0728	6.3177	3.4000e-004		0.0772	0.0772		0.0767	0.0767	0.0000	612.9108	612.9108	0.0215	0.0111	616.7866
Unmitigated	102.9309	1.1480	103.8314	0.0391		13.7286	13.7286		13.7283	13.7283	1,305.1248	378.5850	1,683.7098	1.2297	0.0990	1,740.2292

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.6709					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	21.0866					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	78.9830	1.0752	97.5170	0.0388		13.6935	13.6935		13.6932	13.6932	1,305.1248	368.2263	1,673.3511	1.2197	0.0990	1,729.6618
Landscaping	0.1904	0.0728	6.3143	3.4000e-004		0.0351	0.0351		0.0351	0.0351	0.0000	10.3587	10.3587	9.9400e-003	0.0000	10.5675
Total	**102.9309**	**1.1480**	**103.8314**	**0.0391**		**13.7286**	**13.7286**		**13.7283**	**13.7283**	**1,305.1248**	**378.5850**	**1,683.7098**	**1.2297**	**0.0990**	**1,740.2292**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	19.5101					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0609	0.0000	3.3200e-003	0.0000		0.0421	0.0421		0.0416	0.0416	0.0000	602.5521	602.5521	0.0116	0.0111	606.2191
Landscaping	0.1904	0.0728	6.3143	3.4000e-004		0.0351	0.0351		0.0351	0.0351	0.0000	10.3587	10.3587	9.9400e-003	0.0000	10.5675
Total	**19.7613**	**0.0728**	**6.3177**	**3.4000e-004**		**0.0772**	**0.0772**		**0.0767**	**0.0767**	**0.0000**	**612.9108**	**612.9108**	**0.0215**	**0.0111**	**616.7866**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	868.9216	23.7235	0.5692	1,543.5648
Unmitigated	1,310.7637	33.8960	0.8143	2,274.9962

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	55.3809 / 34.9141	89.4580	1.8101	0.0438	141.0360
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	3.80502 / 0.422779	4.9678	0.1243	2.9900e-003	8.5038
Manufacturing	204.425 / 0	253.3477	6.6757	0.1603	443.2299
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	9.27092 / 5.68217	14.8786	0.3030	7.3200e-003	23.5122
Research & Development	765.027 / 0	948.1116	24.9829	0.5999	1,658.7143
Total		**1,310.7637**	**33.8960**	**0.8143**	**2,274.9962**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	38.7666 / 34.9141	65.8821	1.2674	0.0307	102.0082
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	2.66351 / 0.422779	3.3480	0.0870	2.0900e-003	5.8223
Manufacturing	143.098 / 0	166.3231	4.6722	0.1120	299.1682
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	6.48964 / 5.68217	10.9319	0.2122	5.1300e-003	16.9789
Research & Development	535.519 / 0	622.4365	17.4848	0.4193	1,119.5873
Total		**868.9216**	**23.7235**	**0.5692**	**1,543.5648**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	369.2304	21.8209	0.0000	827.4692
Unmitigated	369.2304	21.8209	0.0000	827.4692

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	391	79.3695	4.6906	0.0000	177.8721
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		**369.2304**	**21.8209**	**0.0000**	**827.4692**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	391	79.3695	4.6906	0.0000	177.8721
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		**369.2304**	**21.8209**	**0.0000**	**827.4692**

9.0 Operational Offroad

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

10.0 Vegetation

Mace Ranch Innovation Center - Mixed-Use Alternative (MITIGATED)

Yolo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Enclosed Parking with Elevator	5.10	Acre	5.10	222,156.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Parking Lot	34.85	Acre	34.85	1,518,066.00	0
Hotel	150.00	Room	5.00	217,800.00	0
Apartments Mid Rise	850.00	Dwelling Unit	22.37	850,000.00	2431
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	54
Climate Zone	2			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	375.68	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - intensity factor for CO2 modified for PG&E RPS reduction

Land Use - *based on info provided by applicant

Construction Phase - *

Trips and VMT - 12 CY haul trucks would be used; haul site located 2 mi from off-site detention basin location

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (including Mace Triangle, with exception of PQP parcel) = 224.42 acres; plus 11 acres for off-site sewer improvements; 80 acres for off-site detention basin

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation - mitigation requires use of only zero-VOC paints

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	0
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42
tblGrading	MaterialExported	0.00	130,000.00

tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	375.68
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	16,250.00	10,833.00
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21

tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	HO_TL	7.90	3.84
tblVehicleTrips	HS_TL	7.10	3.46
tblVehicleTrips	HW_TL	16.80	8.18

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9124	51.8488	40.5859	0.0420	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269	0.0000	4,231.8540	4,231.8540	1.2365	0.0000	4,257.8202
2018	5.6246	60.6285	47.4558	0.0675	18.2962	2.8001	20.6630	9.9917	2.5760	12.1692	0.0000	6,699.6544	6,699.6544	1.9470	0.0000	6,740.5419
2019	5.1937	55.2168	45.0445	0.0674	7.3909	2.5166	9.9075	3.5211	2.3153	5.8364	0.0000	6,584.2067	6,584.2067	1.9457	0.0000	6,625.0666
2020	31.3925	76.0609	235.2670	0.6611	41.1579	2.2135	43.3714	11.0222	2.0693	13.0915	0.0000	51,721.7454	51,721.7454	2.0231	0.0000	51,764.2294
2021	29.9861	65.9493	219.5019	0.6606	41.1587	1.9589	43.1177	11.0225	1.8308	12.8533	0.0000	51,158.0374	51,158.0374	1.9532	0.0000	51,199.0548
2022	29.0722	59.3747	208.4822	0.6604	41.1596	1.7842	42.9438	11.0229	1.6665	12.6894	0.0000	50,661.5843	50,661.5843	1.8990	0.0000	50,701.4636
2023	27.8894	54.0793	195.5437	0.6601	41.1601	1.6226	42.7827	11.0231	1.5148	12.5379	0.0000	50,202.6184	50,202.6184	1.8418	0.0000	50,241.2971
2024	27.3438	52.2554	188.7688	0.6601	41.1612	1.5295	42.6907	11.0236	1.4264	12.4500	0.0000	49,821.0264	49,821.0264	1.7997	0.0000	49,858.8203
2025	26.8111	50.4941	182.2730	0.6601	41.1621	1.4373	42.5994	11.0239	1.3391	12.3630	0.0000	49,485.3510	49,485.3510	1.7639	0.0000	49,522.3929
2026	26.5053	49.8305	177.7379	0.6601	41.1626	1.4387	42.6014	11.0241	1.3404	12.3646	0.0000	49,196.3229	49,196.3229	1.7367	0.0000	49,232.7944
2027	26.2761	49.3036	174.0595	0.6601	41.1633	1.4410	42.6043	11.0244	1.3425	12.3669	0.0000	48,946.1976	48,946.1976	1.7124	0.0000	48,982.1588
2028	26.0394	48.8140	170.6787	0.6602	41.1638	1.4424	42.6062	11.0246	1.3438	12.3684	0.0000	48,731.0422	48,731.0422	1.6904	0.0000	48,766.5413
2029	25.8072	48.3740	167.5027	0.6602	41.1644	1.4433	42.6077	11.0248	1.3447	12.3695	0.0000	48,546.5322	48,546.5322	1.6692	0.0000	48,581.5851
2030	25.4240	43.1518	164.5298	0.6642	41.1647	1.0353	42.2000	11.0250	0.9677	11.9927	0.0000	48,728.8570	48,728.8570	1.1646	0.0000	48,753.3131
2031	25.2514	42.8038	162.2694	0.6643	41.1653	1.0359	42.2012	11.0252	0.9683	11.9935	0.0000	48,599.4566	48,599.4566	1.1470	0.0000	48,623.5436
2032	25.0903	42.5050	160.3024	0.6643	41.1659	1.0363	42.2022	11.0255	0.9686	11.9941	0.0000	48,492.0613	48,492.0613	1.1314	0.0000	48,515.8215
2033	24.9261	42.2285	158.6295	0.6644	41.1665	1.0364	42.2029	11.0257	0.9688	11.9944	0.0000	48,402.9586	48,402.9586	1.1183	0.0000	48,426.4422
2034	24.7554	41.9967	157.0537	0.6644	41.1669	1.0362	42.2031	11.0259	0.9685	11.9944	0.0000	48,327.8766	48,327.8766	1.1059	0.0000	48,351.0998

	ROG	NOx	CO	SO2	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					
2035	24.4749	40.9364	155.6140	0.6645	41.1673	0.9676	42.1349	11.0260	0.9000	11.9260	0.0000	48,265.1184	48,265.1184	1.0857	0.0000	48,287.9184
Total	**442.7758**	**975.8522**	**3,011.3003**	**10.7658**	**702.5936**	**30.5315**	**732.6919**	**199.8938**	**28.3868**	**227.8821**	**0.0000**	**806,802.5012**	**806,802.5012**	**29.9716**	**0.0000**	**807,431.9048**

2.1 Overall Construction (Maximum Daily Emission)

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					
2017	4.9124	51.8488	40.5859	0.0420	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269	0.0000	4,231.8540	4,231.8540	1.2365	0.0000	4,257.8202
2018	5.6246	60.6285	47.4558	0.0675	18.2962	2.8001	20.6630	9.9917	2.5760	12.1692	0.0000	6,699.6544	6,699.6544	1.9470	0.0000	6,740.5419
2019	5.1937	55.2168	45.0445	0.0674	7.3909	2.5166	9.9075	3.5211	2.3153	5.8364	0.0000	6,584.2067	6,584.2067	1.9457	0.0000	6,625.0666
2020	31.3925	76.0609	235.2670	0.6611	41.1579	2.2135	43.3714	11.0222	2.0693	13.0915	0.0000	51,721.7454	51,721.7454	2.0231	0.0000	51,764.2294
2021	29.9861	65.9493	219.5019	0.6606	41.1587	1.9589	43.1177	11.0225	1.8308	12.8533	0.0000	51,158.0374	51,158.0374	1.9532	0.0000	51,199.0548
2022	29.0722	59.3747	208.4822	0.6604	41.1596	1.7842	42.9438	11.0229	1.6665	12.6894	0.0000	50,661.5843	50,661.5843	1.8990	0.0000	50,701.4636
2023	27.8894	54.0793	195.5437	0.6601	41.1601	1.6226	42.7827	11.0231	1.5148	12.5379	0.0000	50,202.6184	50,202.6184	1.8418	0.0000	50,241.2971
2024	27.3438	52.2554	188.7688	0.6601	41.1612	1.5295	42.6907	11.0236	1.4264	12.4500	0.0000	49,821.0264	49,821.0264	1.7997	0.0000	49,858.8203
2025	26.8111	50.4941	182.2730	0.6601	41.1621	1.4373	42.5994	11.0239	1.3391	12.3630	0.0000	49,485.3510	49,485.3510	1.7639	0.0000	49,522.3929
2026	26.5053	49.8305	177.7379	0.6601	41.1626	1.4387	42.6014	11.0241	1.3404	12.3646	0.0000	49,196.3229	49,196.3229	1.7367	0.0000	49,232.7944
2027	26.2761	49.3036	174.0595	0.6601	41.1633	1.4410	42.6043	11.0244	1.3425	12.3669	0.0000	48,946.1975	48,946.1975	1.7124	0.0000	48,982.1588

	ROG	NOx	CO	SO2	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					
2028	26.0394	48.8140	170.6787	0.6602	41.1638	1.4424	42.6062	11.0246	1.3438	12.3684	0.0000	48,731.0422	48,731.0422	1.6904	0.0000	48,766.5413
2029	25.8072	48.3740	167.5027	0.6602	41.1644	1.4433	42.6077	11.0248	1.3447	12.3695	0.0000	48,546.5322	48,546.5322	1.6692	0.0000	48,581.5850
2030	25.4240	43.1518	164.5298	0.6642	41.1647	1.0353	42.2000	11.0250	0.9677	11.9927	0.0000	48,728.8570	48,728.8570	1.1646	0.0000	48,753.3131
2031	25.2514	42.8038	162.2694	0.6643	41.1653	1.0359	42.2012	11.0252	0.9683	11.9935	0.0000	48,599.4566	48,599.4566	1.1470	0.0000	48,623.5436
2032	25.0903	42.5050	160.3024	0.6643	41.1659	1.0363	42.2022	11.0255	0.9686	11.9941	0.0000	48,492.0613	48,492.0613	1.1314	0.0000	48,515.8215
2033	24.9261	42.2285	158.6295	0.6644	41.1665	1.0364	42.2029	11.0257	0.9688	11.9944	0.0000	48,402.9586	48,402.9586	1.1183	0.0000	48,426.4422
2034	24.7554	41.9967	157.0537	0.6644	41.1669	1.0362	42.2031	11.0259	0.9685	11.9944	0.0000	48,327.8766	48,327.8766	1.1059	0.0000	48,351.0998
2035	24.4749	40.9364	155.6140	0.6645	41.1673	0.9676	42.1349	11.0260	0.9000	11.9260	0.0000	48,265.1184	48,265.1184	1.0857	0.0000	48,287.9184
Total	**442.7758**	**975.8522**	**3,011.3003**	**10.7658**	**702.5936**	**30.5315**	**732.6919**	**199.8938**	**28.3868**	**227.8821**	**0.0000**	**806,802.5012**	**806,802.5012**	**29.9716**	**0.0000**	**807,431.9047**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2,058.7080	27.0335	2,448.6235	0 9488		334.3777	334.3777		334.3711	334.3711	35,089.1179	10,026.8725	45,115.9904	32.9152	2.6622	46,632.4958
Energy	1.8906	17.0505	13.4349	0.1031		1.3062	1.3062		1.3062	1.3062		20,624.5999	20,624.5999	0.3953	0.3781	20,750.1177
Mobile	58.7887	90.0709	434.8875	1.4675	89.5785	2.0121	91.5906	24.0358	1.8566	25.8925		107,002.6005	107,002.6005	2.4014		107,053.0307
Total	**2,119.3872**	**134.1549**	**2,896.9459**	**2.5194**	**89.5785**	**337.6960**	**427.2745**	**24.0358**	**337.5339**	**361.5697**	**35,089.1179**	**137,654.0729**	**172,743.1907**	**35.7119**	**3.0403**	**174,435.6442**

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	110.5044	0 8088	70.2403	3.7200e-003		1.4159	1.4159		1.4051	1.4051	0.0000	16,326.8725	16,326.8725	0.4323	0.2970	16,428.0199
Energy	1.3385	12.0658	9.4683	0.0730		0.9248	0.9248		0.9248	0.9248		14,602.2673	14,602.2673	0.2799	0.2677	14,691.1342
Mobile	58.7887	90.0709	434.8875	1.4675	89.5785	2.0121	91.5906	24.0358	1.8566	25.8925		107,002.6005	107,002.6005	2.4014		107,053.0307
Total	**170.6316**	**102.9455**	**514.5960**	**1.5443**	**89.5785**	**4.3528**	**93.9313**	**24.0358**	**4.1865**	**28.2223**	**0.0000**	**137,931.7403**	**137,931.7403**	**3.1136**	**0.5647**	**138,172.1849**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**91.95**	**23.26**	**82.24**	**38.71**	**0.00**	**98.71**	**78.02**	**0.00**	**98.76**	**92.19**	**100.00**	**-0.20**	**20.15**	**91.28**	**81.43**	**20.79**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 1,721,250; Residential Outdoor: 573,750; Non-Residential Indoor: 4,615,035; Non-Residential Outdoor: 1,538,345 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,355.00	836.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	471.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

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	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	**4.8382**	**51.7535**	**39.3970**	**0.0391**	**18.0663**	**2.7542**	**20.8205**	**9.9307**	**2.5339**	**12.4646**		**4,003.0859**	**4,003.0859**	**1.2265**		**4,028.8432**

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	0.0742	0.0953	1.1888	2 8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624		228.7681	228.7681	9.9500e-003		228.9770
Total	**0.0742**	**0.0953**	**1.1888**	**2.8800e-003**	**0.2299**	**1.5000e-003**	**0.2314**	**0.0610**	**1.3800e-003**	**0.0624**		**228.7681**	**228.7681**	**9.9500e-003**		**228.9770**

3.2 Site Preparation - 2017

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	**4.8382**	**51.7535**	**39.3970**	**0.0391**	**18.0663**	**2.7542**	**20.8205**	**9.9307**	**2.5339**	**12.4646**	**0.0000**	**4,003.0859**	**4,003.0859**	**1.2265**		**4,028.8432**

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	0.0742	0.0953	1.1888	2 8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624		228.7681	228.7681	9.9500e-003		228.9770
Total	**0.0742**	**0.0953**	**1.1888**	**2.8800e-003**	**0.2299**	**1.5000e-003**	**0.2314**	**0.0610**	**1.3800e-003**	**0.0624**		**228.7681**	**228.7681**	**9.9500e-003**		**228.9770**

3.2 Site Preparation - 2018

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	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762		3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**		**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

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	0.0661	0.0858	1.0655	2 8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623		220.2214	220 2214	9.1600e-003		220.4138
Total	**0.0661**	**0.0858**	**1.0655**	**2.8800e-003**	**0.2299**	**1.4600e-003**	**0.2314**	**0.0610**	**1.3500e-003**	**0.0623**		**220.2214**	**220.2214**	**9.1600e-003**		**220.4138**

3.2 Site Preparation - 2018

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762	0.0000	3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**	**0.0000**	**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

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	0.0661	0.0858	1.0655	2 8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623		220.2214	220 2214	9.1600e-003		220.4138
Total	**0.0661**	**0.0858**	**1.0655**	**2.8800e-003**	**0.2299**	**1.4600e-003**	**0.2314**	**0.0610**	**1.3500e-003**	**0.0623**		**220.2214**	**220.2214**	**9.1600e-003**		**220.4138**

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	5.2895	59 5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.8042	6,212.8042	1.9341		6,253.4209
Total	**5.2895**	**59.5338**	**42.3068**	**0.0617**	**7.0303**	**2.7880**	**9.8183**	**3.4261**	**2.5650**	**5.9911**		**6,212.8042**	**6,212.8042**	**1.9341**		**6,253.4209**

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	0.2617	0.9994	3.9652	2 5400e-003	0.0716	0.0104	0.0820	0.0190	9.5600e-003	0.0286		242.1598	242.1598	2.7100e-003		242.2168
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	0.0734	0.0954	1.1839	3 2000e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692		244.6904	244.6904	0.0102		244.9042
Total	**0.3351**	**1.0947**	**5.1490**	**5.7400e-003**	**0.3270**	**0.0120**	**0.3391**	**0.0867**	**0.0111**	**0.0978**		**486.8503**	**486.8503**	**0.0129**		**487.1210**

3.3 Grading - 2018

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					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	5.2895	59 5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650	0.0000	6,212.8041	6,212.8041	1.9341		6,253.4209
Total	**5.2895**	**59.5338**	**42.3068**	**0.0617**	**7.0303**	**2.7880**	**9.8183**	**3.4261**	**2.5650**	**5.9911**	**0.0000**	**6,212.8041**	**6,212.8041**	**1.9341**		**6,253.4209**

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	0.2617	0.9994	3.9652	2 5400e-003	0.0716	0.0104	0.0820	0.0190	9.5600e-003	0.0286		242.1598	242.1598	2.7100e-003		242.2168
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	0.0734	0.0954	1.1839	3 2000e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692		244.6904	244.6904	0.0102		244.9042
Total	**0.3351**	**1.0947**	**5.1490**	**5.7400e-003**	**0.3270**	**0.0120**	**0.3391**	**0.0867**	**0.0111**	**0.0978**		**486.8503**	**486.8503**	**0.0129**		**487.1210**

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045		6,111.3121	6,111.3121	1.9336		6,151.9167
Total	**4.8912**	**54.1978**	**40.2888**	**0.0617**	**7.0303**	**2.5049**	**9.5352**	**3.4261**	**2.3045**	**5.7306**		**6,111.3121**	**6,111.3121**	**1.9336**		**6,151.9167**

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	0.2359	0.9320	3.6794	2 5300e-003	0.1051	0.0101	0.1153	0.0272	9.3000e-003	0.0365		237.8697	237 8697	2.7200e-003		237.9269
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	0.0666	0.0870	1.0763	3.1800e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692		235.0249	235.0249	9.4300e-003		235.2230
Total	**0.3025**	**1.0190**	**4.7556**	**5.7100e-003**	**0.3606**	**0.0117**	**0.3723**	**0.0950**	**0.0108**	**0.1057**		**472.8946**	**472.8946**	**0.0122**		**473.1499**

3.3 Grading - 2019

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					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	6,111.3121	6,111.3121	1.9336		6,151.9167
Total	**4.8912**	**54.1978**	**40.2888**	**0.0617**	**7.0303**	**2.5049**	**9.5352**	**3.4261**	**2.3045**	**5.7306**	**0.0000**	**6,111.3121**	**6,111.3121**	**1.9336**		**6,151.9167**

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	0.2359	0.9320	3.6794	2 5300e-003	0.1051	0.0101	0.1153	0.0272	9.3000e-003	0.0365		237.8697	237 8697	2.7200e-003		237.9269
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	0.0666	0.0870	1.0763	3.1800e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692		235.0249	235.0249	9.4300e-003		235.2230
Total	**0.3025**	**1.0190**	**4.7556**	**5.7100e-003**	**0.3606**	**0.0117**	**0.3723**	**0.0950**	**0.0108**	**0.1057**		**472.8946**	**472.8946**	**0.0122**		**473.1499**

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14 9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7576**	**14.9353**	**14.3652**	**0.0223**		**0.8094**	**0.8094**		**0.7447**	**0.7447**		**2,208.9731**	**2,208.9731**	**0.6989**		**2,223.6499**

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	0.0500	0.0652	0.8072	2 3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519		176.2687	176 2687	7.0800e-003		176.4173
Total	**0.0500**	**0.0652**	**0.8072**	**2.3900e-003**	**0.1916**	**1.1900e-003**	**0.1928**	**0.0508**	**1.1000e-003**	**0.0519**		**176.2687**	**176.2687**	**7.0800e-003**		**176.4173**

3.4 Paving - 2019

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	1.4259	14 9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7576**	**14.9353**	**14.3652**	**0.0223**		**0.8094**	**0.8094**		**0.7447**	**0.7447**	**0.0000**	**2,208.9731**	**2,208.9731**	**0.6989**		**2,223.6499**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0500	0.0652	0.8072	2 3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519		176.2687	176 2687	7.0800e-003		176.4173
Total	**0.0500**	**0.0652**	**0.8072**	**2.3900e-003**	**0.1916**	**1.1900e-003**	**0.1928**	**0.0508**	**1.1000e-003**	**0.0519**		**176.2687**	**176.2687**	**7.0800e-003**		**176.4173**

3.4 Paving - 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	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799		2,160.7571	2,160.7571	0.6988		2,175.4326
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6618**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**		**2,160.7571**	**2,160.7571**	**0.6988**		**2,175.4326**

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	0.0461	0.0601	0.7441	2 3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		169.2871	169 2871	6.6700e-003		169.4272
Total	**0.0461**	**0.0601**	**0.7441**	**2.3900e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**		**169.2871**	**169.2871**	**6.6700e-003**		**169.4272**

3.4 Paving - 2020

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	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799	0.0000	2,160.7571	2,160.7571	0.6988		2,175.4326
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6618**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**	**0.0000**	**2,160.7571**	**2,160.7571**	**0.6988**		**2,175.4326**

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	0.0461	0.0601	0.7441	2 3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		169.2871	169 2871	6.6700e-003		169.4272
Total	**0.0461**	**0.0601**	**0.7441**	**2.3900e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**		**169.2871**	**169.2871**	**6.6700e-003**		**169.4272**

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**		**2,542.4799**	**2,542.4799**	**0.6194**		**2,555.4880**

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	6.5121	43 9675	76.4472	0.1816	5.0613	0.7682	5.8294	1.4497	0.7065	2.1562		17,004.1328	17,004.1328	0.1252		17,006.7614
Worker	7.2400	9.4380	116.8167	0.3748	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		26,578.0705	26,578.0705	1.0472		26,600.0619
Total	**13.7520**	**53.4055**	**193.2638**	**0.5563**	**35.1418**	**0.9528**	**36.0946**	**9.4268**	**0.8777**	**10.3045**		**43,582.2033**	**43,582.2033**	**1.1724**		**43,606.8234**

3.5 Building Construction - 2020

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**	**0.0000**	**2,542.4799**	**2,542.4799**	**0.6194**		**2,555.4880**

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	6.5121	43 9675	76.4472	0.1816	5.0613	0.7682	5.8294	1.4497	0.7065	2.1562		17,004.1328	17,004.1328	0.1252		17,006.7614
Worker	7.2400	9.4380	116.8167	0.3748	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		26,578.0705	26,578.0705	1.0472		26,600.0619
Total	**13.7520**	**53.4055**	**193.2638**	**0.5563**	**35.1418**	**0.9528**	**36.0946**	**9.4268**	**0.8777**	**10.3045**		**43,582.2033**	**43,582.2033**	**1.1724**		**43,606.8234**

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	1.8931	17 3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	**1.8931**	**17.3403**	**16.5376**	**0.0268**		**0.9549**	**0.9549**		**0.8979**	**0.8979**		**2,542.7817**	**2,542.7817**	**0.6126**		**2,555.6462**

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	5.8452	36.4996	69.7087	0.1812	5.0621	0.6885	5.7506	1.4501	0.6334	2.0835		16,977.2004	16,977.2004	0.1239		16,979.8021
Worker	6.8248	8.8189	109.5317	0.3747	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		26,130.5060	26,130.5060	0.9978		26,151.4607
Total	**12.6701**	**45.3185**	**179.2404**	**0.5559**	**35.1426**	**0.8730**	**36.0157**	**9.4271**	**0.8046**	**10.2317**		**43,107.7064**	**43,107.7064**	**1.1217**		**43,131.2628**

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17 3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	**1.8931**	**17.3403**	**16.5376**	**0.0268**		**0.9549**	**0.9549**		**0.8979**	**0.8979**	**0.0000**	**2,542.7817**	**2,542.7817**	**0.6126**		**2,555.6462**

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	5.8452	36.4996	69.7087	0.1812	5.0621	0.6885	5.7506	1.4501	0.6334	2.0835		16,977.2004	16,977.2004	0.1239		16,979.8021
Worker	6.8248	8.8189	109.5317	0.3747	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		26,130.5060	26,130.5060	0.9978		26,151.4607
Total	**12.6701**	**45.3185**	**179.2404**	**0.5559**	**35.1426**	**0.8730**	**36.0157**	**9.4271**	**0.8046**	**10.2317**		**43,107.7064**	**43,107.7064**	**1.1217**		**43,131.2628**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15 5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
Total	**1.6992**	**15.5364**	**16.3276**	**0.0268**		**0.8057**	**0.8057**		**0.7581**	**0.7581**		**2,543.7497**	**2,543.7497**	**0.6085**		**2,556.5286**

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	5.5781	32.4873	66.5976	0.1810	5.0630	0.6748	5.7378	1.4504	0.6208	2.0713		16,965.3380	16,965.3380	0.1256		16,967.9752
Worker	6.4594	8.2855	103.1195	0.3747	30.0805	0.1849	30.2655	7.9771	0.1715	8.1486		25,725.8738	25,725.8738	0.9555		25,745.9390
Total	**12.0375**	**40.7727**	**169.7171**	**0.5557**	**35.1435**	**0.8597**	**36.0032**	**9.4275**	**0.7924**	**10.2198**		**42,691.2118**	**42,691.2118**	**1.0811**		**42,713.9143**

3.5 Building Construction - 2022

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	1.6992	15 5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
Total	**1.6992**	**15.5364**	**16.3276**	**0.0268**		**0.8057**	**0.8057**		**0.7581**	**0.7581**	**0.0000**	**2,543.7497**	**2,543.7497**	**0.6085**		**2,556.5286**

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	5.5781	32.4873	66.5976	0.1810	5.0630	0.6748	5.7378	1.4504	0.6208	2.0713		16,965.3380	16,965.3380	0.1256		16,967.9752
Worker	6.4594	8.2855	103.1195	0.3747	30.0805	0.1849	30.2655	7.9771	0.1715	8.1486		25,725.8738	25,725.8738	0.9555		25,745.9390
Total	**12.0375**	**40.7727**	**169.7171**	**0.5557**	**35.1435**	**0.8597**	**36.0032**	**9.4275**	**0.7924**	**10.2198**		**42,691.2118**	**42,691.2118**	**1.0811**		**42,713.9143**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14 3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.6262	2,544.6262	0.6044		2,557.3191
Total	**1.5661**	**14.3126**	**16.2093**	**0.0268**		**0.6967**	**0.6967**		**0.6557**	**0.6557**		**2,544.6262**	**2,544.6262**	**0.6044**		**2,557.3191**

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	4.9502	29.0873	60.8443	0.1807	5.0635	0.6326	5.6961	1.4507	0.5820	2.0327		16,943.0877	16,943.0877	0.1188		16,945.5833
Worker	6.1187	7.8137	97.2325	0.3747	30.0805	0.1853	30.2658	7.9771	0.1719	8.1490		25,361.2137	25,361.2137	0.9181		25,380.4942
Total	**11.0689**	**36.9010**	**158.0768**	**0.5553**	**35.1440**	**0.8180**	**35.9620**	**9.4277**	**0.7539**	**10.1817**		**42,304.3014**	**42,304.3014**	**1.0370**		**42,326.0775**

3.5 Building Construction - 2023

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	1.5661	14 3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.6262	2,544.6262	0.6044		2,557.3191
Total	**1.5661**	**14.3126**	**16.2093**	**0.0268**		**0.6967**	**0.6967**		**0.6557**	**0.6557**	**0.0000**	**2,544.6262**	**2,544.6262**	**0.6044**		**2,557.3191**

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	4.9502	29.0873	60.8443	0.1807	5.0635	0.6326	5.6961	1.4507	0.5820	2.0327		16,943.0877	16,943.0877	0.1188		16,945.5833
Worker	6.1187	7.8137	97.2325	0.3747	30.0805	0.1853	30.2658	7.9771	0.1719	8.1490		25,361.2137	25,361.2137	0.9181		25,380.4942
Total	**11.0689**	**36.9010**	**158.0768**	**0.5553**	**35.1440**	**0.8180**	**35.9620**	**9.4277**	**0.7539**	**10.1817**		**42,304.3014**	**42,304.3014**	**1.0370**		**42,326.0775**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13 3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
Total	**1.4653**	**13.3774**	**16.1332**	**0.0268**		**0.6106**	**0.6106**		**0.5744**	**0.5744**		**2,545.1154**	**2,545.1154**	**0.6009**		**2,557.7349**

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	4.8689	28.7618	59.7682	0.1807	5.0646	0.6348	5.6994	1.4511	0.5840	2.0351		16,949.1403	16,949.1403	0.1192		16,951.6445
Worker	5.8248	7.4146	92.5478	0.3746	30.0805	0.1861	30.2666	7.9771	0.1726	8.1497		25,037.7689	25,037.7689	0.8864		25,056.3834
Total	**10.6937**	**36.1763**	**152.3160**	**0.5553**	**35.1451**	**0.8209**	**35.9659**	**9.4281**	**0.7567**	**10.1848**		**41,986.9092**	**41,986.9092**	**1.0057**		**42,008.0279**

3.5 Building Construction - 2024

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	1.4653	13 3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
Total	**1.4653**	**13.3774**	**16.1332**	**0.0268**		**0.6106**	**0.6106**		**0.5744**	**0.5744**	**0.0000**	**2,545.1154**	**2,545.1154**	**0.6009**		**2,557.7349**

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	4.8689	28.7618	59.7682	0.1807	5.0646	0.6348	5.6994	1.4511	0.5840	2.0351		16,949.1403	16,949.1403	0.1192		16,951.6445
Worker	5.8248	7.4146	92.5478	0.3746	30.0805	0.1861	30.2666	7.9771	0.1726	8.1497		25,037.7689	25,037.7689	0.8864		25,056.3834
Total	**10.6937**	**36.1763**	**152.3160**	**0.5553**	**35.1451**	**0.8209**	**35.9659**	**9.4281**	**0.7567**	**10.1848**		**41,986.9092**	**41,986.9092**	**1.0057**		**42,008.0279**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	4.7478	28.4470	58.0107	0.1807	5.0655	0.6361	5.7016	1.4515	0.5853	2.0367		16,953.4394	16,953.4394	0.1196		16,955.9501
Worker	5.5766	7.0766	88.6678	0.3746	30.0805	0.1872	30.2677	7.9771	0.1737	8.1507		24,753.8109	24,753.8109	0.8596		24,771.8615
Total	**10.3244**	**35.5236**	**146.6785**	**0.5553**	**35.1460**	**0.8234**	**35.9694**	**9.4285**	**0.7589**	**10.1875**		**41,707.2503**	**41,707.2503**	**0.9791**		**41,727.8116**

3.5 Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	4.7478	28.4470	58.0107	0.1807	5.0655	0.6361	5.7016	1.4515	0.5853	2.0367		16,953.4394	16,953.4394	0.1196		16,955.9501
Worker	5.5766	7.0766	88.6678	0.3746	30.0805	0.1872	30.2677	7.9771	0.1737	8.1507		24,753.8109	24,753.8109	0.8596		24,771.8615
Total	**10.3244**	**35.5236**	**146.6785**	**0.5553**	**35.1460**	**0.8234**	**35.9694**	**9.4285**	**0.7589**	**10.1875**		**41,707.2503**	**41,707.2503**	**0.9791**		**41,727.8116**

3.5 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	4.7065	28.1253	57.3503	0.1807	5.0660	0.6356	5.7016	1.4517	0.5848	2.0364		16,957.7370	16,957.7370	0.1196		16,960.2493
Worker	5.3562	6.7917	85.4389	0.3746	30.0805	0.1888	30.2693	7.9771	0.1752	8.1523		24,509.3728	24,509.3728	0.8369		24,526.9467
Total	**10.0627**	**34.9170**	**142.7892**	**0.5553**	**35.1465**	**0.8244**	**35.9710**	**9.4287**	**0.7600**	**10.1887**		**41,467.1098**	**41,467.1098**	**0.9565**		**41,487.1960**

3.5 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	4.7065	28.1253	57.3503	0.1807	5.0660	0.6356	5.7016	1.4517	0.5848	2.0364		16,957.7370	16,957.7370	0.1196		16,960.2493
Worker	5.3562	6.7917	85.4389	0.3746	30.0805	0.1888	30.2693	7.9771	0.1752	8.1523		24,509.3728	24,509.3728	0.8369		24,526.9467
Total	**10.0627**	**34.9170**	**142.7892**	**0.5553**	**35.1465**	**0.8244**	**35.9710**	**9.4287**	**0.7600**	**10.1887**		**41,467.1098**	**41,467.1098**	**0.9565**		**41,487.1960**

3.5 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	4.7264	27 9044	57.1129	0.1808	5.0667	0.6362	5.7029	1.4519	0.5853	2.0373		16,962.3732	16,962.3732	0.1199		16,964.8901
Worker	5.1486	6.5367	82.5714	0.3746	30.0805	0.1902	30.2707	7.9771	0.1765	8.1535		24,297.0715	24,297.0715	0.8164		24,314.2164
Total	**9.8750**	**34.4411**	**139.6843**	**0.5554**	**35.1472**	**0.8264**	**35.9736**	**9.4290**	**0.7618**	**10.1908**		**41,259.4447**	**41,259.4447**	**0.9363**		**41,279.1065**

3.5 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	4.7264	27 9044	57.1129	0.1808	5.0667	0.6362	5.7029	1.4519	0.5853	2.0373		16,962.3732	16,962.3732	0.1199		16,964.8901
Worker	5.1486	6.5367	82.5714	0.3746	30.0805	0.1902	30.2707	7.9771	0.1765	8.1535		24,297.0715	24,297.0715	0.8164		24,314.2164
Total	**9.8750**	**34.4411**	**139.6843**	**0.5554**	**35.1472**	**0.8264**	**35.9736**	**9.4290**	**0.7618**	**10.1908**		**41,259.4447**	**41,259.4447**	**0.9363**		**41,279.1065**

3.5 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	4.7229	27.6954	56.7763	0.1808	5.0672	0.6362	5.7034	1.4522	0.5853	2.0375		16,966.2043	16,966.2043	0.1200		16,968.7233
Worker	4.9543	6.3029	80.0346	0.3746	30.0805	0.1914	30.2719	7.9771	0.1776	8.1546		24,114.5827	24,114.5827	0.7980		24,131.3408
Total	**9.6772**	**33.9983**	**136.8108**	**0.5554**	**35.1477**	**0.8276**	**35.9753**	**9.4292**	**0.7629**	**10.1921**		**41,080.7870**	**41,080.7870**	**0.9180**		**41,100.0641**

3.5 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	4.7229	27.6954	56.7763	0.1808	5.0672	0.6362	5.7034	1.4522	0.5853	2.0375		16,966.2043	16,966.2043	0.1200		16,968.7233
Worker	4.9543	6.3029	80.0346	0.3746	30.0805	0.1914	30.2719	7.9771	0.1776	8.1546		24,114.5827	24,114.5827	0.7980		24,131.3408
Total	**9.6772**	**33.9983**	**136.8108**	**0.5554**	**35.1477**	**0.8276**	**35.9753**	**9.4292**	**0.7629**	**10.1921**		**41,080.7870**	**41,080.7870**	**0.9180**		**41,100.0641**

3.5 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	4.7229	27 5266	56.5455	0.1808	5.0678	0.6361	5.7038	1.4524	0.5852	2.0376		16,969.4444	16,969.4444	0.1200		16,971.9651
Worker	4.7608	6.0769	77.5803	0.3746	30.0805	0.1923	30.2728	7.9771	0.1784	8.1554		23,958.1243	23,958.1243	0.7802		23,974.5091
Total	**9.4837**	**33.6035**	**134.1258**	**0.5555**	**35.1483**	**0.8284**	**35.9766**	**9.4294**	**0.7636**	**10.1930**		**40,927.5688**	**40,927.5688**	**0.9003**		**40,946.4742**

3.5 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	4.7229	27 5266	56.5455	0.1808	5.0678	0.6361	5.7038	1.4524	0.5852	2.0376		16,969.4444	16,969.4444	0.1200		16,971.9651
Worker	4.7608	6.0769	77.5803	0.3746	30.0805	0.1923	30.2728	7.9771	0.1784	8.1554		23,958.1243	23,958.1243	0.7802		23,974.5091
Total	**9.4837**	**33.6035**	**134.1258**	**0.5555**	**35.1483**	**0.8284**	**35.9766**	**9.4294**	**0.7636**	**10.1930**		**40,927.5688**	**40,927.5688**	**0.9003**		**40,946.4742**

3.5 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	4.6506	27 3228	55.9304	0.1809	5.0681	0.6358	5.7040	1.4525	0.5850	2.0375		16,971.2231	16,971.2231	0.1201		16,973.7452
Worker	4.5829	5.8790	75.5586	0.3746	30.0805	0.1930	30.2735	7.9771	0.1790	8.1561		23,826.1299	23,826.1299	0.7644		23,842.1825
Total	**9.2335**	**33.2018**	**131.4890**	**0.5555**	**35.1486**	**0.8288**	**35.9774**	**9.4296**	**0.7640**	**10.1936**		**40,797.3530**	**40,797.3530**	**0.8845**		**40,815.9277**

3.5 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	4.6506	27 3228	55.9304	0.1809	5.0681	0.6358	5.7040	1.4525	0.5850	2.0375		16,971.2231	16,971.2231	0.1201		16,973.7452
Worker	4.5829	5.8790	75.5586	0.3746	30.0805	0.1930	30.2735	7.9771	0.1790	8.1561		23,826.1299	23,826.1299	0.7644		23,842.1825
Total	**9.2335**	**33.2018**	**131.4890**	**0.5555**	**35.1486**	**0.8288**	**35.9774**	**9.4296**	**0.7640**	**10.1936**		**40,797.3530**	**40,797.3530**	**0.8845**		**40,815.9277**

3.5 Building Construction - 2031

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	4.6824	27 2020	55.9176	0.1809	5.0687	0.6361	5.7048	1.4528	0.5852	2.0380		16,975.1379	16,975.1379	0.1202		16,977.6620
Worker	4.4126	5.6896	73.6856	0.3747	30.0805	0.1933	30.2738	7.9771	0.1793	8.1564		23,715.0339	23,715.0339	0.7497		23,730.7771
Total	**9.0950**	**32.8917**	**129.6032**	**0.5556**	**35.1492**	**0.8293**	**35.9786**	**9.4298**	**0.7645**	**10.1943**		**40,690.1718**	**40,690.1718**	**0.8699**		**40,708.4392**

3.5 Building Construction - 2031

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	4.6824	27 2020	55.9176	0.1809	5.0687	0.6361	5.7048	1.4528	0.5852	2.0380		16,975.1379	16,975.1379	0.1202		16,977.6620
Worker	4.4126	5.6896	73.6856	0.3747	30.0805	0.1933	30.2738	7.9771	0.1793	8.1564		23,715.0339	23,715.0339	0.7497		23,730.7771
Total	**9.0950**	**32.8917**	**129.6032**	**0.5556**	**35.1492**	**0.8293**	**35.9786**	**9.4298**	**0.7645**	**10.1943**		**40,690.1718**	**40,690.1718**	**0.8699**		**40,708.4392**

3.5 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	4.7107	27.1023	55.8917	0.1809	5.0693	0.6363	5.7056	1.4530	0.5854	2.0384		16,979.2550	16,979.2550	0.1203		16,981.7810
Worker	4.2548	5.5238	72.0681	0.3747	30.0805	0.1934	30.2739	7.9771	0.1794	8.1565		23,622.1069	23,622.1069	0.7366		23,637.5763
Total	**8.9655**	**32.6261**	**127.9597**	**0.5556**	**35.1498**	**0.8297**	**35.9795**	**9.4301**	**0.7648**	**10.1949**		**40,601.3619**	**40,601.3619**	**0.8569**		**40,619.3573**

3.5 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	4.7107	27.1023	55.8917	0.1809	5.0693	0.6363	5.7056	1.4530	0.5854	2.0384		16,979.2550	16,979.2550	0.1203		16,981.7810
Worker	4.2548	5.5238	72.0681	0.3747	30.0805	0.1934	30.2739	7.9771	0.1794	8.1565		23,622.1069	23,622.1069	0.7366		23,637.5763
Total	**8.9655**	**32.6261**	**127.9597**	**0.5556**	**35.1498**	**0.8297**	**35.9795**	**9.4301**	**0.7648**	**10.1949**		**40,601.3619**	**40,601.3619**	**0.8569**		**40,619.3573**

3.5 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	4.7133	26 9899	55.7934	0.1810	5.0699	0.6363	5.7062	1.4532	0.5854	2.0387		16,982.6591	16,982.6591	0.1203		16,985.1862
Worker	4.1158	5.3870	70.7559	0.3747	30.0805	0.1935	30.2740	7.9771	0.1795	8.1566		23,545.0179	23,545.0179	0.7256		23,560.2558
Total	**8.8291**	**32.3769**	**126.5492**	**0.5557**	**35.1504**	**0.8298**	**35.9802**	**9.4303**	**0.7650**	**10.1952**		**40,527.6770**	**40,527.6770**	**0.8460**		**40,545.4420**

3.5 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	4.7133	26 9899	55.7934	0.1810	5.0699	0.6363	5.7062	1.4532	0.5854	2.0387		16,982.6591	16,982.6591	0.1203		16,985.1862
Worker	4.1158	5.3870	70.7559	0.3747	30.0805	0.1935	30.2740	7.9771	0.1795	8.1566		23,545.0179	23,545.0179	0.7256		23,560.2558
Total	**8.8291**	**32.3769**	**126.5492**	**0.5557**	**35.1504**	**0.8298**	**35.9802**	**9.4303**	**0.7650**	**10.1952**		**40,527.6770**	**40,527.6770**	**0.8460**		**40,545.4420**

3.5 Building Construction - 2034

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	4.7101	26 8966	55.7388	0.1810	5.0703	0.6363	5.7066	1.4534	0.5854	2.0388		16,985.7609	16,985.7609	0.1204		16,988.2890
Worker	3.9762	5.2716	69.4883	0.3747	30.0805	0.1933	30.2739	7.9771	0.1794	8.1564		23,479.8647	23,479.8647	0.7152		23,494.8848
Total	**8.6862**	**32.1682**	**125.2270**	**0.5557**	**35.1508**	**0.8296**	**35.9804**	**9.4305**	**0.7647**	**10.1952**		**40,465.6256**	**40,465.6256**	**0.8356**		**40,483.1738**

3.5 Building Construction - 2034

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	4.7101	26 8966	55.7388	0.1810	5.0703	0.6363	5.7066	1.4534	0.5854	2.0388		16,985.7609	16,985.7609	0.1204		16,988.2890
Worker	3.9762	5.2716	69.4883	0.3747	30.0805	0.1933	30.2739	7.9771	0.1794	8.1564		23,479.8647	23,479.8647	0.7152		23,494.8848
Total	**8.6862**	**32.1682**	**125.2270**	**0.5557**	**35.1508**	**0.8296**	**35.9804**	**9.4305**	**0.7647**	**10.1952**		**40,465.6256**	**40,465.6256**	**0.8356**		**40,483.1738**

3.5 Building Construction - 2035

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	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
Total	**1.2123**	**7.1510**	**16.0922**	**0.0308**		**0.0901**	**0.0901**		**0.0901**	**0.0901**		**2,884.8300**	**2,884.8300**	**0.1075**		**2,887.0878**

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	4.6845	26 8102	55.6673	0.1810	5.0707	0.6359	5.7066	1.4535	0.5850	2.0386		16,988.0106	16,988.0106	0.1204		16,990.5392
Worker	3.8510	5.1813	68.3836	0.3747	30.0805	0.1931	30.2736	7.9771	0.1792	8.1562		23,425.6915	23,425.6915	0.7062		23,440.5208
Total	**8.5355**	**31.9915**	**124.0508**	**0.5557**	**35.1512**	**0.8290**	**35.9802**	**9.4306**	**0.7642**	**10.1948**		**40,413.7021**	**40,413.7021**	**0.8266**		**40,431.0600**

3.5 Building Construction - 2035

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	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
Total	**1.2123**	**7.1510**	**16.0922**	**0.0308**		**0.0901**	**0.0901**		**0.0901**	**0.0901**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1075**		**2,887.0878**

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	4.6845	26 8102	55.6673	0.1810	5.0707	0.6359	5.7066	1.4535	0.5850	2.0386		16,988.0106	16,988.0106	0.1204		16,990.5392
Worker	3.8510	5.1813	68.3836	0.3747	30.0805	0.1931	30.2736	7.9771	0.1792	8.1562		23,425.6915	23,425.6915	0.7062		23,440.5208
Total	**8.5355**	**31.9915**	**124.0508**	**0.5557**	**35.1512**	**0.8290**	**35.9802**	**9.4306**	**0.7642**	**10.1948**		**40,413.7021**	**40,413.7021**	**0.8266**		**40,431.0600**

3.6 Architectural Coating - 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					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2 9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	**14.0812**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9057**

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	1.4480	1.8876	23.3633	0.0750	6.0161	0.0369	6.0530	1.5954	0.0342	1.6297		5,315.6141	5,315.6141	0.2094		5,320.0124
Total	**1.4480**	**1.8876**	**23.3633**	**0.0750**	**6.0161**	**0.0369**	**6.0530**	**1.5954**	**0.0342**	**1.6297**		**5,315.6141**	**5,315.6141**	**0.2094**		**5,320.0124**

3.6 Architectural Coating - 2020

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2 9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	**14.0812**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9057**

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	1.4480	1.8876	23.3633	0.0750	6.0161	0.0369	6.0530	1.5954	0.0342	1.6297		5,315.6141	5,315.6141	0.2094		5,320.0124
Total	**1.4480**	**1.8876**	**23.3633**	**0.0750**	**6.0161**	**0.0369**	**6.0530**	**1.5954**	**0.0342**	**1.6297**		**5,315.6141**	**5,315.6141**	**0.2094**		**5,320.0124**

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	13.8390					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		281.8537
Total	**14.0579**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.8537**

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	1.3650	1.7638	21.9063	0.0749	6.0161	0.0369	6.0530	1.5954	0.0342	1.6296		5,226.1012	5,226.1012	0.1996		5,230.2922
Total	**1.3650**	**1.7638**	**21.9063**	**0.0749**	**6.0161**	**0.0369**	**6.0530**	**1.5954**	**0.0342**	**1.6296**		**5,226.1012**	**5,226.1012**	**0.1996**		**5,230.2922**

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					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		281.8537
Total	**14.0579**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.8537**

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	1.3650	1.7638	21.9063	0.0749	6.0161	0.0369	6.0530	1.5954	0.0342	1.6296		5,226.1012	5,226.1012	0.1996		5,230.2922
Total	**1.3650**	**1.7638**	**21.9063**	**0.0749**	**6.0161**	**0.0369**	**6.0530**	**1.5954**	**0.0342**	**1.6296**		**5,226.1012**	**5,226.1012**	**0.1996**		**5,230.2922**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2 9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329
Total	**14.0436**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.8329**

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	1.2919	1.6571	20.6239	0.0749	6.0161	0.0370	6.0531	1.5954	0.0343	1.6297		5,145.1748	5,145.1748	0.1911		5,149.1878
Total	**1.2919**	**1.6571**	**20.6239**	**0.0749**	**6.0161**	**0.0370**	**6.0531**	**1.5954**	**0.0343**	**1.6297**		**5,145.1748**	**5,145.1748**	**0.1911**		**5,149.1878**

3.6 Architectural Coating - 2022

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2 9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.8329
Total	**14.0436**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.8329**

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	1.2919	1.6571	20.6239	0.0749	6.0161	0.0370	6.0531	1.5954	0.0343	1.6297		5,145.1748	5,145.1748	0.1911		5,149.1878
Total	**1.2919**	**1.6571**	**20.6239**	**0.0749**	**6.0161**	**0.0370**	**6.0531**	**1.5954**	**0.0343**	**1.6297**		**5,145.1748**	**5,145.1748**	**0.1911**		**5,149.1878**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2 9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
Total	**14.0307**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8017**

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	1.2237	1.5627	19.4465	0.0749	6.0161	0.0371	6.0532	1.5954	0.0344	1.6298		5,072.2427	5,072.2427	0.1836		5,076.0989
Total	**1.2237**	**1.5627**	**19.4465**	**0.0749**	**6.0161**	**0.0371**	**6.0532**	**1.5954**	**0.0344**	**1.6298**		**5,072.2427**	**5,072.2427**	**0.1836**		**5,076.0989**

3.6 Architectural Coating - 2023

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2 9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8017
Total	**14.0307**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8017**

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	1.2237	1.5627	19.4465	0.0749	6.0161	0.0371	6.0532	1.5954	0.0344	1.6298		5,072.2427	5,072.2427	0.1836		5,076.0989
Total	**1.2237**	**1.5627**	**19.4465**	**0.0749**	**6.0161**	**0.0371**	**6.0532**	**1.5954**	**0.0344**	**1.6298**		**5,072.2427**	**5,072.2427**	**0.1836**		**5,076.0989**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2 9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809
Total	**14.0198**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.7809**

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	1.1650	1.4829	18.5096	0.0749	6.0161	0.0372	6.0533	1.5954	0.0345	1.6299		5,007.5538	5,007.5538	0.1773		5,011.2767
Total	**1.1650**	**1.4829**	**18.5096**	**0.0749**	**6.0161**	**0.0372**	**6.0533**	**1.5954**	**0.0345**	**1.6299**		**5,007.5538**	**5,007.5538**	**0.1773**		**5,011.2767**

3.6 Architectural Coating - 2024

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2 9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.7809
Total	**14.0198**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.7809**

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	1.1650	1.4829	18.5096	0.0749	6.0161	0.0372	6.0533	1.5954	0.0345	1.6299		5,007.5538	5,007.5538	0.1773		5,011.2767
Total	**1.1650**	**1.4829**	**18.5096**	**0.0749**	**6.0161**	**0.0372**	**6.0533**	**1.5954**	**0.0345**	**1.6299**		**5,007.5538**	**5,007.5538**	**0.1773**		**5,011.2767**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	1.1153	1.4153	17.7336	0.0749	6.0161	0.0374	6.0535	1.5954	0.0347	1.6302		4,950.7622	4,950.7622	0.1719		4,954.3723
Total	**1.1153**	**1.4153**	**17.7336**	**0.0749**	**6.0161**	**0.0374**	**6.0535**	**1.5954**	**0.0347**	**1.6302**		**4,950.7622**	**4,950.7622**	**0.1719**		**4,954.3723**

3.6 Architectural Coating - 2025

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	1.1153	1.4153	17.7336	0.0749	6.0161	0.0374	6.0535	1.5954	0.0347	1.6302		4,950.7622	4,950.7622	0.1719		4,954.3723
Total	**1.1153**	**1.4153**	**17.7336**	**0.0749**	**6.0161**	**0.0374**	**6.0535**	**1.5954**	**0.0347**	**1.6302**		**4,950.7622**	**4,950.7622**	**0.1719**		**4,954.3723**

3.6 Architectural Coating - 2026

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	1.0712	1.3584	17.0878	0.0749	6.0161	0.0378	6.0539	1.5954	0.0350	1.6305		4,901.8746	4,901.8746	0.1674		4,905.3893
Total	**1.0712**	**1.3584**	**17.0878**	**0.0749**	**6.0161**	**0.0378**	**6.0539**	**1.5954**	**0.0350**	**1.6305**		**4,901.8746**	**4,901.8746**	**0.1674**		**4,905.3893**

3.6 Architectural Coating - 2026

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	1.0712	1.3584	17.0878	0.0749	6.0161	0.0378	6.0539	1.5954	0.0350	1.6305		4,901.8746	4,901.8746	0.1674		4,905.3893
Total	**1.0712**	**1.3584**	**17.0878**	**0.0749**	**6.0161**	**0.0378**	**6.0539**	**1.5954**	**0.0350**	**1.6305**		**4,901.8746**	**4,901.8746**	**0.1674**		**4,905.3893**

3.6 Architectural Coating - 2027

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	1.0297	1.3073	16.5143	0.0749	6.0161	0.0380	6.0541	1.5954	0.0353	1.6307		4,859.4143	4,859.4143	0.1633		4,862.8433
Total	**1.0297**	**1.3073**	**16.5143**	**0.0749**	**6.0161**	**0.0380**	**6.0541**	**1.5954**	**0.0353**	**1.6307**		**4,859.4143**	**4,859.4143**	**0.1633**		**4,862.8433**

3.6 Architectural Coating - 2027

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	1.0297	1.3073	16.5143	0.0749	6.0161	0.0380	6.0541	1.5954	0.0353	1.6307		4,859.4143	4,859.4143	0.1633		4,862.8433
Total	**1.0297**	**1.3073**	**16.5143**	**0.0749**	**6.0161**	**0.0380**	**6.0541**	**1.5954**	**0.0353**	**1.6307**		**4,859.4143**	**4,859.4143**	**0.1633**		**4,862.8433**

3.6 Architectural Coating - 2028

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.9909	1.2606	16.0069	0.0749	6.0161	0.0383	6.0544	1.5954	0.0355	1.6309		4,822.9165	4,822.9165	0.1596		4,826.2682
Total	**0.9909**	**1.2606**	**16.0069**	**0.0749**	**6.0161**	**0.0383**	**6.0544**	**1.5954**	**0.0355**	**1.6309**		**4,822.9165**	**4,822.9165**	**0.1596**		**4,826.2682**

3.6 Architectural Coating - 2028

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.9909	1.2606	16.0069	0.0749	6.0161	0.0383	6.0544	1.5954	0.0355	1.6309		4,822.9165	4,822.9165	0.1596		4,826.2682
Total	**0.9909**	**1.2606**	**16.0069**	**0.0749**	**6.0161**	**0.0383**	**6.0544**	**1.5954**	**0.0355**	**1.6309**		**4,822.9165**	**4,822.9165**	**0.1596**		**4,826.2682**

3.6 Architectural Coating - 2029

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.9522	1.2154	15.5161	0.0749	6.0161	0.0385	6.0546	1.5954	0.0357	1.6311		4,791.6249	4,791.6249	0.1561		4,794.9018
Total	**0.9522**	**1.2154**	**15.5161**	**0.0749**	**6.0161**	**0.0385**	**6.0546**	**1.5954**	**0.0357**	**1.6311**		**4,791.6249**	**4,791.6249**	**0.1561**		**4,794.9018**

3.6 Architectural Coating - 2029

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.9522	1.2154	15.5161	0.0749	6.0161	0.0385	6.0546	1.5954	0.0357	1.6311		4,791.6249	4,791.6249	0.1561		4,794.9018
Total	**0.9522**	**1.2154**	**15.5161**	**0.0749**	**6.0161**	**0.0385**	**6.0546**	**1.5954**	**0.0357**	**1.6311**		**4,791.6249**	**4,791.6249**	**0.1561**		**4,794.9018**

3.6 Architectural Coating - 2030

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.9166	1.1758	15.1117	0.0749	6.0161	0.0386	6.0547	1.5954	0.0358	1.6312		4,765.2260	4,765.2260	0.1529		4,768.4365
Total	**0.9166**	**1.1758**	**15.1117**	**0.0749**	**6.0161**	**0.0386**	**6.0547**	**1.5954**	**0.0358**	**1.6312**		**4,765.2260**	**4,765.2260**	**0.1529**		**4,768.4365**

3.6 Architectural Coating - 2030

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.9166	1.1758	15.1117	0.0749	6.0161	0.0386	6.0547	1.5954	0.0358	1.6312		4,765.2260	4,765.2260	0.1529		4,768.4365
Total	**0.9166**	**1.1758**	**15.1117**	**0.0749**	**6.0161**	**0.0386**	**6.0547**	**1.5954**	**0.0358**	**1.6312**		**4,765.2260**	**4,765.2260**	**0.1529**		**4,768.4365**

3.6 Architectural Coating - 2031

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.8825	1.1379	14.7371	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,743.0068	4,743.0068	0.1499		4,746.1554
Total	**0.8825**	**1.1379**	**14.7371**	**0.0749**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,743.0068**	**4,743.0068**	**0.1499**		**4,746.1554**

3.6 Architectural Coating - 2031

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.8825	1.1379	14.7371	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,743.0068	4,743.0068	0.1499		4,746.1554
Total	**0.8825**	**1.1379**	**14.7371**	**0.0749**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,743.0068**	**4,743.0068**	**0.1499**		**4,746.1554**

3.6 Architectural Coating - 2032

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.8510	1.1048	14.4136	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,724.4214	4,724.4214	0.1473		4,727.5153
Total	**0.8510**	**1.1048**	**14.4136**	**0.0749**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,724.4214**	**4,724.4214**	**0.1473**		**4,727.5153**

3.6 Architectural Coating - 2032

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.8510	1.1048	14.4136	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,724.4214	4,724.4214	0.1473		4,727.5153
Total	**0.8510**	**1.1048**	**14.4136**	**0.0749**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,724.4214**	**4,724.4214**	**0.1473**		**4,727.5153**

3.6 Architectural Coating - 2033

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.8232	1.0774	14.1512	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,709.0036	4,709.0036	0.1451		4,712.0512
Total	**0.8232**	**1.0774**	**14.1512**	**0.0749**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,709.0036**	**4,709.0036**	**0.1451**		**4,712.0512**

3.6 Architectural Coating - 2033

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.8232	1.0774	14.1512	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,709.0036	4,709.0036	0.1451		4,712.0512
Total	**0.8232**	**1.0774**	**14.1512**	**0.0749**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,709.0036**	**4,709.0036**	**0.1451**		**4,712.0512**

3.6 Architectural Coating - 2034

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7952	1.0543	13.8977	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,695.9729	4,695.9729	0.1431		4,698.9770
Total	**0.7952**	**1.0543**	**13.8977**	**0.0749**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,695.9729**	**4,695.9729**	**0.1431**		**4,698.9770**

3.6 Architectural Coating - 2034

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7952	1.0543	13.8977	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,695.9729	4,695.9729	0.1431		4,698.9770
Total	**0.7952**	**1.0543**	**13.8977**	**0.0749**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,695.9729**	**4,695.9729**	**0.1431**		**4,698.9770**

3.6 Architectural Coating - 2035

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2 9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
Total	**13.9569**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**281.4481**	**281.4481**	**0.0104**		**281.6665**

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	0.7702	1.0363	13.6767	0.0749	6.0161	0.0386	6.0547	1.5954	0.0358	1.6313		4,685.1383	4,685.1383	0.1412		4,688.1042
Total	**0.7702**	**1.0363**	**13.6767**	**0.0749**	**6.0161**	**0.0386**	**6.0547**	**1.5954**	**0.0358**	**1.6313**		**4,685.1383**	**4,685.1383**	**0.1412**		**4,688.1042**

3.6 Architectural Coating - 2035

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2 9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
Total	**13.9569**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0104**		**281.6665**

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	0.7702	1.0363	13.6767	0.0749	6.0161	0.0386	6.0547	1.5954	0.0358	1.6313		4,685.1383	4,685.1383	0.1412		4,688.1042
Total	**0.7702**	**1.0363**	**13.6767**	**0.0749**	**6.0161**	**0.0386**	**6.0547**	**1.5954**	**0.0358**	**1.6313**		**4,685.1383**	**4,685.1383**	**0.1412**		**4,688.1042**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	58.7887	90.0709	434.8875	1.4675	89.5785	2.0121	91.5906	24.0358	1.8566	25.8925		107,002.6005	107,002.6005	2.4014		107,053.0307
Unmitigated	58.7887	90.0709	434.8875	1.4675	89.5785	2.0121	91.5906	24.0358	1.8566	25.8925		107,002.6005	107,002.6005	2.4014		107,053.0307

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	5,601.50	6,086.00	5159.50	10,167,045	10,167,045
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	1,225.50	1,228.50	892.50	1,152,382	1,152,382
Manufacturing	3,376.88	1,317.16	548.08	5,034,817	5,034,817
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	3,660,692	3,660,692
Regional Shopping Center	1,080.37	1,257.25	635.04	921,030	921,030
Research & Development	12,246.10	2,869.00	1676.10	13,238,380	13,238,380
Research & Development	372.25	87.21	50.95	402,412	402,412
Total	28,196.60	17,842.12	11,486.17	34,576,758	34,576,758

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	8.18	3.46	3.84	42.60	21.00	36.40	86	11	3
Enclosed Parking with Elevator	7.15	3.21	3.21	0.00	0.00	0.00	0	0	0
Hotel	7.15	3.21	3.21	19.40	61.60	19.00	58	38	4
Manufacturing	7.15	3.21	3.21	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	7.15	3.21	3.21	0.00	0.00	0.00	0	0	0
Parking Lot	7.15	3.21	3.21	0.00	0.00	0.00	0	0	0
Regional Shopping Center	7.15	3.21	3.21	16.30	64.70	19.00	54	35	11
Regional Shopping Center	7.15	3.21	3.21	16.30	64.70	19.00	54	35	11
Research & Development	7.15	3.21	3.21	33.00	48.00	19.00	82	15	3
Research & Development	7.15	3.21	3.21	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	1.3385	12.0658	9.4683	0.0730		0.9248	0.9248		0.9248	0.9248		14,602.2673	14,602.2673	0.2799	0.2677	14,691.1342
NaturalGas Unmitigated	1.8906	17.0505	13.4349	0.1031		1.3062	1.3062		1.3062	1.3062		20,624.5999	20,624.5999	0.3953	0.3781	20,750.1177

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	16773.6	0.1809	1.6445	1.3814	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.3628	1,973.3628	0.0378	0.0362	1,985.3723
Manufacturing	47493.8	0.5122	4.6563	3.9113	0.0279		0.3539	0.3539		0.3539	0.3539		5,587.5069	5,587.5069	0.1071	0.1024	5,621.5115
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3367.12	0.0363	0.3301	0.2773	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.1322	396.1322	7.5900e-003	7.2600e-003	398.5430
Regional Shopping Center	847	9.1300e-003	0.0830	0.0698	5.0000e-004		6.3100e-003	6.3100e-003		6.3100e-003	6.3100e-003		99.6470	99.6470	1.9100e-003	1.8300e-003	100.2535
Research & Development	2466.08	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.1269	290.1269	5.5600e-003	5.3200e-003	291.8925
Research & Development	81126.3	0.8749	7.9536	6.6810	0.0477		0.6045	0.6045		0.6045	0.6045		9,544.2708	9,544.2708	0.1829	0.1750	9,602.3556
Apartments Mid Rise	23235.2	0.2506	2.1413	0.9112	0.0137		0.1731	0.1731		0.1731	0.1731		2,733.5534	2,733.5534	0.0524	0.0501	2,750.1894
Total		**1.8906**	**17.0505**	**13.4349**	**0.1031**		**1.3062**	**1.3062**		**1.3062**	**1.3062**		**20,624.5999**	**20,624.5999**	**0.3953**	**0.3781**	**20,750.1177**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	11.7881	0.1271	1.1557	0.9708	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,386.8297	1,386.8297	0.0266	0.0254	1,395.2697
Manufacturing	33.2893	0.3590	3.2637	2.7415	0.0196		0.2480	0.2480		0.2480	0.2480		3,916.3836	3,916.3836	0.0751	0.0718	3,940.2180
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.600343	6.4700e-003	0.0589	0.0494	3.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003		70.6286	70.6286	1.3500e-003	1.2900e-003	71.0584
Regional Shopping Center	2.38658	0.0257	0.2340	0.1965	1.4000e-003		0.0178	0.0178		0.0178	0.0178		280.7736	280.7736	5.3800e-003	5.1500e-003	282.4823
Research & Development	1.72852	0.0186	0.1695	0.1424	1.0200e-003		0.0129	0.0129		0.0129	0.0129		203.3551	203.3551	3.9000e-003	3.7300e-003	204.5927
Research & Development	56.8629	0.6132	5.5748	4.6828	0.0335		0.4237	0.4237		0.4237	0.4237		6,689.7502	6,689.7502	0.1282	0.1227	6,730.4629
Apartments Mid Rise	17.4636	0.1883	1.6094	0.6849	0.0103		0.1301	0.1301		0.1301	0.1301		2,054.5466	2,054.5466	0.0394	0.0377	2,067.0502
Total		**1.3385**	**12.0658**	**9.4683**	**0.0730**		**0.9248**	**0.9248**		**0.9248**	**0.9248**		**14,602.2673**	**14,602.2673**	**0.2799**	**0.2677**	**14,691.1342**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	110.5044	0 8088	70.2403	3.7200e-003		1.4159	1.4159		1.4051	1.4051	0.0000	16,326.8725	16,326.8725	0.4323	0.2970	16,428.0199
Unmitigated	2,058.7080	27.0335	2,448.6235	0 9488		334.3777	334.3777		334.3711	334.3711	35,089.1179	10,026.8725	45,115.9904	32.9152	2.6622	46,632.4958

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	14.6353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	115.5432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,926.4146	26.2247	2,378.4642	0 9450		333.9878	333.9878		333.9812	333.9812	35,089.1179	9,900.0000	44,989.1179	32.7934	2.6622	46,503.0664
Landscaping	2.1150	0 8087	70.1593	3.7200e-003		0.3899	0.3899		0.3899	0.3899		126.8725	126.8725	0.1218		129.4294
Total	**2,058.7080**	**27.0335**	**2,448.6235**	**0.9488**		**334.3777**	**334.3777**		**334.3711**	**334.3711**	**35,089.1179**	**10,026.8725**	**45,115.9904**	**32.9152**	**2.6622**	**46,632.4958**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	106.9044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.4850	7.0000e-005	0.0810	0.0000		1.0260	1.0260		1.0152	1.0152	0.0000	16,200.0000	16,200.0000	0.3105	0.2970	16,298.5905
Landscaping	2.1150	0 8087	70.1593	3.7200e-003		0.3899	0.3899		0.3899	0.3899		126.8725	126.8725	0.1218		129.4294
Total	**110.5044**	**0.8088**	**70.2403**	**3.7200e-003**		**1.4159**	**1.4159**		**1.4051**	**1.4051**	**0.0000**	**16,326.8725**	**16,326.8725**	**0.4323**	**0.2970**	**16,428.0199**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Vegetation

Mace Ranch Innovation Center - Mixed-Use Alternative (MITIGATED)

Yolo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Enclosed Parking with Elevator	5.10	Acre	5.10	222,156.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Parking Lot	34.85	Acre	34.85	1,518,066.00	0
Hotel	150.00	Room	5.00	217,800.00	0
Apartments Mid Rise	850.00	Dwelling Unit	22.37	850,000.00	2431
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	54
Climate Zone	2			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	375.68	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - intensity factor for CO2 modified for PG&E RPS reduction

Land Use - *based on info provided by applicant

Construction Phase - *

Trips and VMT - 12 CY haul trucks would be used; haul site located 2 mi from off-site detention basin location

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (including Mace Triangle, with exception of PQP parcel) = 224.42 acres; plus 11 acres for off-site sewer improvements; 80 acres for off-site detention basin

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation - mitigation requires use of only zero-VOC paints

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	0
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42
tblGrading	MaterialExported	0.00	130,000.00

tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	375.68
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	16,250.00	10,833.00
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21

tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CC_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CNW_TL	6.60	3.21
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	CW_TL	14.70	7.15
tblVehicleTrips	HO_TL	7.90	3.84
tblVehicleTrips	HS_TL	7.10	3.46
tblVehicleTrips	HW_TL	16.80	8.18

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9033	51.8729	40.4339	0.0416	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269	0.0000	4,204.8333	4,204.8333	1.2365	0.0000	4,230.7994
2018	5.7349	60.7103	51.1212	0.0671	18.2962	2.8004	20.6630	9.9917	2.5763	12.1692	0.0000	6,666.0407	6,666.0407	1.9472	0.0000	6,706.9326
2019	5.2885	55.2919	48.6468	0.0671	7.3909	2.5169	9.9078	3.5211	2.3155	5.8366	0.0000	6,551.8521	6,551.8521	1.9459	0.0000	6,592.7165
2020	32.0622	81.6773	282.9265	0.6070	41.1579	2.2234	43.3813	11.0222	2.0784	13.1006	0.0000	47,812.1690	47,812.1690	2.0274	0.0000	47,854.7450
2021	30.3793	70.8654	266.1292	0.6066	41.1587	1.9677	43.1264	11.0225	1.8388	12.8613	0.0000	47,309.8712	47,309.8712	1.9577	0.0000	47,350.9836
2022	29.2929	63.8498	249.9940	0.6063	41.1596	1.7925	42.9521	11.0229	1.6742	12.6971	0.0000	46,868.3757	46,868.3757	1.9037	0.0000	46,908.3526
2023	27.7634	58.1345	226.9609	0.6057	41.1601	1.6285	42.7887	11.0231	1.5203	12.5434	0.0000	46,457.8177	46,457.8177	1.8464	0.0000	46,496.5924
2024	27.2209	56.1487	219.4577	0.6057	41.1612	1.5355	42.6967	11.0236	1.4319	12.4555	0.0000	46,119.1168	46,119.1168	1.8043	0.0000	46,157.0069
2025	26.6048	54.2486	210.1077	0.6056	41.1621	1.4432	42.6053	11.0239	1.3445	12.3685	0.0000	45,820.8122	45,820.8122	1.7685	0.0000	45,857.9505
2026	26.3140	53.4668	205.2841	0.6056	41.1626	1.4446	42.6072	11.0241	1.3458	12.3700	0.0000	45,563.8693	45,563.8693	1.7413	0.0000	45,600.4373
2027	26.1192	52.8435	201.7336	0.6056	41.1633	1.4468	42.6101	11.0244	1.3479	12.3723	0.0000	45,341.0958	45,341.0958	1.7171	0.0000	45,377.1539
2028	25.9148	52.2635	198.4015	0.6056	41.1638	1.4482	42.6121	11.0246	1.3492	12.3738	0.0000	45,148.9985	45,148.9985	1.6951	0.0000	45,184.5945
2029	25.7236	51.7398	195.4187	0.6057	41.1644	1.4491	42.6135	11.0248	1.3500	12.3749	0.0000	44,983.6905	44,983.6905	1.6738	0.0000	45,018.8404
2030	25.3631	46.4377	192.1947	0.6096	41.1647	1.0411	42.2058	11.0250	0.9731	11.9980	0.0000	45,182.0687	45,182.0687	1.1692	0.0000	45,206.6220
2031	25.2371	46.0216	190.2334	0.6097	41.1653	1.0417	42.2070	11.0252	0.9736	11.9988	0.0000	45,066.2032	45,066.2032	1.1516	0.0000	45,090.3875
2032	25.1218	45.6651	188.5229	0.6097	41.1659	1.0421	42.2080	11.0255	0.9739	11.9994	0.0000	44,970.1130	44,970.1130	1.1361	0.0000	44,993.9705
2033	24.9872	45.3370	186.9944	0.6097	41.1665	1.0422	42.2086	11.0257	0.9740	11.9997	0.0000	44,890.5480	44,890.5480	1.1229	0.0000	44,914.1290
2034	24.8453	45.0638	185.6053	0.6098	41.1669	1.0419	42.2088	11.0259	0.9738	11.9997	0.0000	44,823.5242	44,823.5242	1.1105	0.0000	44,846.8448

	ROG	NOx	CO	SO2	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					
2035	24.5872	43.9697	184.3104	0.6098	41.1673	0.9733	42.1406	11.0260	0.9053	11.9313	0.0000	44,767.6771	44,767.6771	1.0904	0.0000	44,790.5747
Total	**443.4633**	**1,035.6080**	**3,524.4769**	**9.8933**	**702.5936**	**30.6347**	**732.7948**	**199.8938**	**28.4817**	**227.9768**	**0.0000**	**748,548.6769**	**748,548.6769**	**30.0456**	**0.0000**	**749,179.6341**

2.1 Overall Construction (Maximum Daily Emission)

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					
2017	4.9033	51.8729	40.4339	0.0416	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269	0.0000	4,204.8333	4,204.8333	1.2365	0.0000	4,230.7994
2018	5.7349	60.7103	51.1212	0.0671	18.2962	2.8004	20.6630	9.9917	2.5763	12.1692	0.0000	6,666.0407	6,666.0407	1.9472	0.0000	6,706.9326
2019	5.2885	55.2919	48.6468	0.0671	7.3909	2.5169	9.9078	3.5211	2.3155	5.8366	0.0000	6,551.8521	6,551.8521	1.9459	0.0000	6,592.7165
2020	32.0622	81.6773	282.9265	0.6070	41.1579	2.2234	43.3813	11.0222	2.0784	13.1006	0.0000	47,812.1690	47,812.1690	2.0274	0.0000	47,854.7450
2021	30.3793	70.8654	266.1292	0.6066	41.1587	1.9677	43.1264	11.0225	1.8388	12.8613	0.0000	47,309.8712	47,309.8712	1.9577	0.0000	47,350.9836
2022	29.2929	63.8498	249.9940	0.6063	41.1596	1.7925	42.9521	11.0229	1.6742	12.6971	0.0000	46,868.3757	46,868.3757	1.9037	0.0000	46,908.3526
2023	27.7634	58.1345	226.9609	0.6057	41.1601	1.6285	42.7887	11.0231	1.5203	12.5434	0.0000	46,457.8177	46,457.8177	1.8464	0.0000	46,496.5924
2024	27.2209	56.1487	219.4577	0.6057	41.1612	1.5355	42.6967	11.0236	1.4319	12.4555	0.0000	46,119.1168	46,119.1168	1.8043	0.0000	46,157.0069
2025	26.6048	54.2486	210.1077	0.6056	41.1621	1.4432	42.6053	11.0239	1.3445	12.3685	0.0000	45,820.8122	45,820.8122	1.7685	0.0000	45,857.9505
2026	26.3140	53.4668	205.2841	0.6056	41.1626	1.4446	42.6072	11.0241	1.3458	12.3700	0.0000	45,563.8693	45,563.8693	1.7413	0.0000	45,600.4373
2027	26.1192	52.8435	201.7336	0.6056	41.1633	1.4468	42.6101	11.0244	1.3479	12.3723	0.0000	45,341.0958	45,341.0958	1.7171	0.0000	45,377.1539

	ROG	NOx	CO	SO2	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					
2028	25.9148	52.2635	198.4015	0.6056	41.1638	1.4482	42.6121	11.0246	1.3492	12.3738	0.0000	45,148.9985	45,148.9985	1.6951	0.0000	45,184.5945
2029	25.7236	51.7398	195.4187	0.6057	41.1644	1.4491	42.6135	11.0248	1.3500	12.3749	0.0000	44,983.6905	44,983.6905	1.6738	0.0000	45,018.8404
2030	25.3631	46.4377	192.1947	0.6096	41.1647	1.0411	42.2058	11.0250	0.9731	11.9980	0.0000	45,182.0687	45,182.0687	1.1692	0.0000	45,206.6220
2031	25.2371	46.0216	190.2334	0.6097	41.1653	1.0417	42.2070	11.0252	0.9736	11.9988	0.0000	45,066.2032	45,066.2032	1.1516	0.0000	45,090.3875
2032	25.1218	45.6651	188.5229	0.6097	41.1659	1.0421	42.2080	11.0255	0.9739	11.9994	0.0000	44,970.1130	44,970.1130	1.1361	0.0000	44,993.9705
2033	24.9872	45.3370	186.9944	0.6097	41.1665	1.0422	42.2086	11.0257	0.9740	11.9997	0.0000	44,890.5480	44,890.5480	1.1229	0.0000	44,914.1290
2034	24.8453	45.0638	185.6053	0.6098	41.1669	1.0419	42.2088	11.0259	0.9738	11.9997	0.0000	44,823.5242	44,823.5242	1.1105	0.0000	44,846.8448
2035	24.5872	43.9697	184.3104	0.6098	41.1673	0.9733	42.1406	11.0260	0.9053	11.9313	0.0000	44,767.6771	44,767.6771	1.0904	0.0000	44,790.5747
Total	**443.4633**	**1,035.6080**	**3,524.4769**	**9.8933**	**702.5936**	**30.6347**	**732.7948**	**199.8938**	**28.4817**	**227.9768**	**0.0000**	**748,548.6769**	**748,548.6769**	**30.0456**	**0.0000**	**749,179.6341**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2,058.7080	27.0335	2,448.6235	0 9488		334.3777	334.3777		334.3711	334.3711	35,089.1179	10,026.8725	45,115.9904	32.9152	2.6622	46,632.4958
Energy	1.8906	17.0505	13.4349	0.1031		1.3062	1.3062		1.3062	1.3062		20,624.5999	20,624.5999	0.3953	0.3781	20,750.1177
Mobile	55.5162	98.9146	575.4056	1 3498	89.5785	2.0286	91.6071	24.0358	1.8718	25.9076		99,194.3955	99,194.3955	2.4149		99,245.1078
Total	**2,116.1148**	**142.9986**	**3,037.4640**	**2.4017**	**89.5785**	**337.7125**	**427.2910**	**24.0358**	**337.5491**	**361.5849**	**35,089.1179**	**129,845.8679**	**164,934.9857**	**35.7254**	**3.0403**	**166,627.7213**

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	110.5044	0 8088	70.2403	3.7200e-003		1.4159	1.4159		1.4051	1.4051	0.0000	16,326.8725	16,326.8725	0.4323	0.2970	16,428.0199
Energy	1.3385	12.0658	9.4683	0.0730		0.9248	0.9248		0.9248	0.9248		14,602.2673	14,602.2673	0.2799	0.2677	14,691.1342
Mobile	55.5162	98.9146	575.4056	1 3498	89.5785	2.0286	91.6071	24.0358	1.8718	25.9076		99,194.3955	99,194.3955	2.4149		99,245.1078
Total	**167.3592**	**111.7893**	**655.1142**	**1.4266**	**89.5785**	**4.3693**	**93.9478**	**24.0358**	**4.2017**	**28.2375**	**0.0000**	**130,123.5353**	**130,123.5353**	**3.1270**	**0.5647**	**130,364.2619**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**92.09**	**21.82**	**78.43**	**40.60**	**0.00**	**98.71**	**78.01**	**0.00**	**98.76**	**92.19**	**100.00**	**-0.21**	**21.11**	**91.25**	**81.43**	**21.76**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 1,721,250; Residential Outdoor: 573,750; Non-Residential Indoor: 4,615,035; Non-Residential Outdoor: 1,538,345 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,355.00	836.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	471.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

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	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	**4.8382**	**51.7535**	**39.3970**	**0.0391**	**18.0663**	**2.7542**	**20.8205**	**9.9307**	**2.5339**	**12.4646**		**4,003.0859**	**4,003.0859**	**1.2265**		**4,028.8432**

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	0.0651	0.1195	1.0368	2 5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624		201.7474	201.7474	9.9500e-003		201.9562
Total	**0.0651**	**0.1195**	**1.0368**	**2.5400e-003**	**0.2299**	**1.5000e-003**	**0.2314**	**0.0610**	**1.3800e-003**	**0.0624**		**201.7474**	**201.7474**	**9.9500e-003**		**201.9562**

3.2 Site Preparation - 2017

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	**4.8382**	**51.7535**	**39.3970**	**0.0391**	**18.0663**	**2.7542**	**20.8205**	**9.9307**	**2.5339**	**12.4646**	**0.0000**	**4,003.0859**	**4,003.0859**	**1.2265**		**4,028.8432**

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	0.0651	0.1195	1.0368	2 5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624		201.7474	201.7474	9.9500e-003		201.9562
Total	**0.0651**	**0.1195**	**1.0368**	**2.5400e-003**	**0.2299**	**1.5000e-003**	**0.2314**	**0.0610**	**1.3800e-003**	**0.0624**		**201.7474**	**201.7474**	**9.9500e-003**		**201.9562**

3.2 Site Preparation - 2018

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	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762		3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**		**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

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	0.0572	0.1074	0.9191	2 5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623		194.1898	194.1898	9.1600e-003		194.3821
Total	**0.0572**	**0.1074**	**0.9191**	**2.5300e-003**	**0.2299**	**1.4600e-003**	**0.2314**	**0.0610**	**1.3500e-003**	**0.0623**		**194.1898**	**194.1898**	**9.1600e-003**		**194.3821**

3.2 Site Preparation - 2018

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762	0.0000	3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**	**0.0000**	**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

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	0.0572	0.1074	0.9191	2 5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623		194.1898	194.1898	9.1600e-003		194.3821
Total	**0.0572**	**0.1074**	**0.9191**	**2.5300e-003**	**0.2299**	**1.4600e-003**	**0.2314**	**0.0610**	**1.3500e-003**	**0.0623**		**194.1898**	**194.1898**	**9.1600e-003**		**194.3821**

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	5.2895	59 5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.8042	6,212.8042	1.9341		6,253.4209
Total	**5.2895**	**59.5338**	**42.3068**	**0.0617**	**7.0303**	**2.7880**	**9.8183**	**3.4261**	**2.5650**	**5.9911**		**6,212.8042**	**6,212.8042**	**1.9341**		**6,253.4209**

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	0.3818	1.0572	7.7933	2 5500e-003	0.0716	0.0107	0.0823	0.0190	9.8300e-003	0.0288		237.4702	237.4702	2.9200e-003		237.5316
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	0.0635	0.1194	1.0212	2 8200e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692		215.7664	215.7664	0.0102		215.9802
Total	**0.4453**	**1.1765**	**8.8144**	**5.3700e-003**	**0.3270**	**0.0123**	**0.3393**	**0.0867**	**0.0113**	**0.0981**		**453.2366**	**453.2366**	**0.0131**		**453.5117**

3.3 Grading - 2018

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					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	5.2895	59 5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650	0.0000	6,212.8041	6,212.8041	1.9341		6,253.4209
Total	**5.2895**	**59.5338**	**42.3068**	**0.0617**	**7.0303**	**2.7880**	**9.8183**	**3.4261**	**2.5650**	**5.9911**	**0.0000**	**6,212.8041**	**6,212.8041**	**1.9341**		**6,253.4209**

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	0.3818	1.0572	7.7933	2 5500e-003	0.0716	0.0107	0.0823	0.0190	9.8300e-003	0.0288		237.4702	237.4702	2.9200e-003		237.5316
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	0.0635	0.1194	1.0212	2 8200e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692		215.7664	215.7664	0.0102		215.9802
Total	**0.4453**	**1.1765**	**8.8144**	**5.3700e-003**	**0.3270**	**0.0123**	**0.3393**	**0.0867**	**0.0113**	**0.0981**		**453.2366**	**453.2366**	**0.0131**		**453.5117**

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045		6,111.3121	6,111.3121	1.9336		6,151.9167
Total	**4.8912**	**54.1978**	**40.2888**	**0.0617**	**7.0303**	**2.5049**	**9.5352**	**3.4261**	**2.3045**	**5.7306**		**6,111.3121**	**6,111.3121**	**1.9336**		**6,151.9167**

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	0.3402	0.9853	7.4373	2 5400e-003	0.1051	0.0104	0.1155	0.0272	9.5500e-003	0.0368		233.2558	233 2558	2.9400e-003		233.3175
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	0.0571	0.1088	0.9206	2 8000e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692		207.2842	207 2842	9.4300e-003		207.4823
Total	**0.3973**	**1.0941**	**8.3579**	**5.3400e-003**	**0.3606**	**0.0120**	**0.3726**	**0.0950**	**0.0110**	**0.1060**		**440.5400**	**440.5400**	**0.0124**		**440.7998**

3.3 Grading - 2019

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					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	6,111.3121	6,111.3121	1.9336		6,151.9167
Total	**4.8912**	**54.1978**	**40.2888**	**0.0617**	**7.0303**	**2.5049**	**9.5352**	**3.4261**	**2.3045**	**5.7306**	**0.0000**	**6,111.3121**	**6,111.3121**	**1.9336**		**6,151.9167**

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	0.3402	0.9853	7.4373	2 5400e-003	0.1051	0.0104	0.1155	0.0272	9.5500e-003	0.0368		233.2558	233 2558	2.9400e-003		233.3175
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	0.0571	0.1088	0.9206	2 8000e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692		207.2842	207 2842	9.4300e-003		207.4823
Total	**0.3973**	**1.0941**	**8.3579**	**5.3400e-003**	**0.3606**	**0.0120**	**0.3726**	**0.0950**	**0.0110**	**0.1060**		**440.5400**	**440.5400**	**0.0124**		**440.7998**

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14 9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7576**	**14.9353**	**14.3652**	**0.0223**		**0.8094**	**0.8094**		**0.7447**	**0.7447**		**2,208.9731**	**2,208.9731**	**0.6989**		**2,223.6499**

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	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519		155.4632	155.4632	7.0800e-003		155.6117
Total	**0.0428**	**0.0816**	**0.6905**	**2.1000e-003**	**0.1916**	**1.1900e-003**	**0.1928**	**0.0508**	**1.1000e-003**	**0.0519**		**155.4632**	**155.4632**	**7.0800e-003**		**155.6117**

3.4 Paving - 2019

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	1.4259	14 9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7576**	**14.9353**	**14.3652**	**0.0223**		**0.8094**	**0.8094**		**0.7447**	**0.7447**	**0.0000**	**2,208.9731**	**2,208.9731**	**0.6989**		**2,223.6499**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519		155.4632	155.4632	7.0800e-003		155.6117
Total	**0.0428**	**0.0816**	**0.6905**	**2.1000e-003**	**0.1916**	**1.1900e-003**	**0.1928**	**0.0508**	**1.1000e-003**	**0.0519**		**155.4632**	**155.4632**	**7.0800e-003**		**155.6117**

3.4 Paving - 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	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799		2,160.7571	2,160.7571	0.6988		2,175.4326
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6618**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**		**2,160.7571**	**2,160.7571**	**0.6988**		**2,175.4326**

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	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		149.2939	149 2939	6.6700e-003		149.4340
Total	**0.0394**	**0.0751**	**0.6324**	**2.1000e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**		**149.2939**	**149.2939**	**6.6700e-003**		**149.4340**

3.4 Paving - 2020

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	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799	0.0000	2,160.7571	2,160.7571	0.6988		2,175.4326
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6618**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**	**0.0000**	**2,160.7571**	**2,160.7571**	**0.6988**		**2,175.4326**

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	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		149.2939	149 2939	6.6700e-003		149.4340
Total	**0.0394**	**0.0751**	**0.6324**	**2.1000e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**		**149.2939**	**149.2939**	**6.6700e-003**		**149.4340**

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**		**2,542.4799**	**2,542.4799**	**0.6194**		**2,555.4880**

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	8.4507	46.7602	145.1415	0.1812	5.0613	0.7780	5.8393	1.4497	0.7156	2.1653		16,861.2687	16,861.2687	0.1296		16,863.9892
Worker	6.1825	11.7911	99.2876	0.3301	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		23,439.1436	23,439.1436	1.0472		23,461.1351
Total	**14.6332**	**58.5513**	**244.4291**	**0.5113**	**35.1418**	**0.9627**	**36.1045**	**9.4268**	**0.8868**	**10.3136**		**40,300.4123**	**40,300.4123**	**1.1768**		**40,325.1243**

3.5 Building Construction - 2020

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**	**0.0000**	**2,542.4799**	**2,542.4799**	**0.6194**		**2,555.4880**

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	8.4507	46.7602	145.1415	0.1812	5.0613	0.7780	5.8393	1.4497	0.7156	2.1653		16,861.2687	16,861.2687	0.1296		16,863.9892
Worker	6.1825	11.7911	99.2876	0.3301	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		23,439.1436	23,439.1436	1.0472		23,461.1351
Total	**14.6332**	**58.5513**	**244.4291**	**0.5113**	**35.1418**	**0.9627**	**36.1045**	**9.4268**	**0.8868**	**10.3136**		**40,300.4123**	**40,300.4123**	**1.1768**		**40,325.1243**

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	1.8931	17 3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	**1.8931**	**17.3403**	**16.5376**	**0.0268**		**0.9549**	**0.9549**		**0.8979**	**0.8979**		**2,542.7817**	**2,542.7817**	**0.6126**		**2,555.6462**

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	7.4388	38.7903	136.5193	0.1807	5.0621	0.6972	5.7593	1.4501	0.6414	2.0915		16,834.2565	16,834.2565	0.1284		16,836.9531
Worker	5.8246	11.0067	92.7123	0.3301	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		23,042.8208	23,042.8208	0.9978		23,063.7755
Total	**13.2633**	**49.7970**	**229.2316**	**0.5108**	**35.1426**	**0.8818**	**36.0244**	**9.4271**	**0.8126**	**10.2397**		**39,877.0772**	**39,877.0772**	**1.1263**		**39,900.7287**

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17 3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	**1.8931**	**17.3403**	**16.5376**	**0.0268**		**0.9549**	**0.9549**		**0.8979**	**0.8979**	**0.0000**	**2,542.7817**	**2,542.7817**	**0.6126**		**2,555.6462**

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	7.4388	38.7903	136.5193	0.1807	5.0621	0.6972	5.7593	1.4501	0.6414	2.0915		16,834.2565	16,834.2565	0.1284		16,836.9531
Worker	5.8246	11.0067	92.7123	0.3301	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		23,042.8208	23,042.8208	0.9978		23,063.7755
Total	**13.2633**	**49.7970**	**229.2316**	**0.5108**	**35.1426**	**0.8818**	**36.0244**	**9.4271**	**0.8126**	**10.2397**		**39,877.0772**	**39,877.0772**	**1.1263**		**39,900.7287**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15 5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
Total	**1.6992**	**15.5364**	**16.3276**	**0.0268**		**0.8057**	**0.8057**		**0.7581**	**0.7581**		**2,543.7497**	**2,543.7497**	**0.6085**		**2,556.5286**

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	6.9374	34 5084	127.5367	0.1804	5.0630	0.6831	5.7461	1.4504	0.6285	2.0789		16,822.4038	16,822.4038	0.1302		16,825.1387
Worker	5.5107	10 3304	86.9301	0.3300	30.0805	0.1849	30.2655	7.9771	0.1715	8.1486		22,683.9784	22,683.9784	0.9555		22,704.0437
Total	**12.4480**	**44.8388**	**214.4668**	**0.5105**	**35.1435**	**0.8680**	**36.0116**	**9.4275**	**0.8000**	**10.2275**		**39,506.3823**	**39,506.3823**	**1.0857**		**39,529.1824**

3.5 Building Construction - 2022

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	1.6992	15 5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
Total	**1.6992**	**15.5364**	**16.3276**	**0.0268**		**0.8057**	**0.8057**		**0.7581**	**0.7581**	**0.0000**	**2,543.7497**	**2,543.7497**	**0.6085**		**2,556.5286**

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	6.9374	34 5084	127.5367	0.1804	5.0630	0.6831	5.7461	1.4504	0.6285	2.0789		16,822.4038	16,822.4038	0.1302		16,825.1387
Worker	5.5107	10 3304	86.9301	0.3300	30.0805	0.1849	30.2655	7.9771	0.1715	8.1486		22,683.9784	22,683.9784	0.9555		22,704.0437
Total	**12.4480**	**44.8388**	**214.4668**	**0.5105**	**35.1435**	**0.8680**	**36.0116**	**9.4275**	**0.8000**	**10.2275**		**39,506.3823**	**39,506.3823**	**1.0857**		**39,529.1824**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14 3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.6262	2,544.6262	0.6044		2,557.3191
Total	**1.5661**	**14.3126**	**16.2093**	**0.0268**		**0.6967**	**0.6967**		**0.6557**	**0.6557**		**2,544.6262**	**2,544.6262**	**0.6044**		**2,557.3191**

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	5.9029	30 8423	110.9979	0.1799	5.0635	0.6386	5.7021	1.4507	0.5875	2.0382		16,799.8418	16,799.8418	0.1234		16,802.4333
Worker	5.2198	9.7305	81.6189	0.3300	30.0805	0.1853	30.2658	7.9771	0.1719	8.1490		22,359.9180	22,359.9180	0.9181		22,379.1986
Total	**11.1226**	**40.5728**	**192.6168**	**0.5099**	**35.1440**	**0.8239**	**35.9680**	**9.4277**	**0.7594**	**10.1871**		**39,159.7598**	**39,159.7598**	**1.0415**		**39,181.6319**

3.5 Building Construction - 2023

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	1.5661	14 3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.6262	2,544.6262	0.6044		2,557.3191
Total	**1.5661**	**14.3126**	**16.2093**	**0.0268**		**0.6967**	**0.6967**		**0.6557**	**0.6557**	**0.0000**	**2,544.6262**	**2,544.6262**	**0.6044**		**2,557.3191**

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	5.9029	30 8423	110.9979	0.1799	5.0635	0.6386	5.7021	1.4507	0.5875	2.0382		16,799.8418	16,799.8418	0.1234		16,802.4333
Worker	5.2198	9.7305	81.6189	0.3300	30.0805	0.1853	30.2658	7.9771	0.1719	8.1490		22,359.9180	22,359.9180	0.9181		22,379.1986
Total	**11.1226**	**40.5728**	**192.6168**	**0.5099**	**35.1440**	**0.8239**	**35.9680**	**9.4277**	**0.7594**	**10.1871**		**39,159.7598**	**39,159.7598**	**1.0415**		**39,181.6319**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13 3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
Total	**1.4653**	**13.3774**	**16.1332**	**0.0268**		**0.6106**	**0.6106**		**0.5744**	**0.5744**		**2,545.1154**	**2,545.1154**	**0.6009**		**2,557.7349**

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	5.7714	30.4839	108.6165	0.1799	5.0646	0.6407	5.7053	1.4511	0.5895	2.0406		16,805.8590	16,805.8590	0.1238		16,808.4593
Worker	4.9703	9.2239	77.4149	0.3300	30.0805	0.1861	30.2666	7.9771	0.1726	8.1497		22,072.2453	22,072.2453	0.8864		22,090.8599
Total	**10.7417**	**39.7078**	**186.0314**	**0.5099**	**35.1451**	**0.8268**	**35.9719**	**9.4281**	**0.7621**	**10.1902**		**38,878.1043**	**38,878.1043**	**1.0102**		**38,899.3192**

3.5 Building Construction - 2024

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	1.4653	13 3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
Total	**1.4653**	**13.3774**	**16.1332**	**0.0268**		**0.6106**	**0.6106**		**0.5744**	**0.5744**	**0.0000**	**2,545.1154**	**2,545.1154**	**0.6009**		**2,557.7349**

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	5.7714	30.4839	108.6165	0.1799	5.0646	0.6407	5.7053	1.4511	0.5895	2.0406		16,805.8590	16,805.8590	0.1238		16,808.4593
Worker	4.9703	9.2239	77.4149	0.3300	30.0805	0.1861	30.2666	7.9771	0.1726	8.1497		22,072.2453	22,072.2453	0.8864		22,090.8599
Total	**10.7417**	**39.7078**	**186.0314**	**0.5099**	**35.1451**	**0.8268**	**35.9719**	**9.4281**	**0.7621**	**10.1902**		**38,878.1043**	**38,878.1043**	**1.0102**		**38,899.3192**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.5214	30.1385	103.5208	0.1799	5.0655	0.6420	5.7076	1.4515	0.5907	2.0422		16,810.1263	16,810.1263	0.1242		16,812.7333
Worker	4.7600	8.7958	73.9383	0.3299	30.0805	0.1872	30.2677	7.9771	0.1737	8.1507		21,819.4562	21,819.4562	0.8596		21,837.5068
Total	**10.2814**	**38.9343**	**177.4591**	**0.5098**	**35.1460**	**0.8293**	**35.9753**	**9.4285**	**0.7644**	**10.1929**		**38,629.5824**	**38,629.5824**	**0.9837**		**38,650.2402**

3.5 Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.5214	30.1385	103.5208	0.1799	5.0655	0.6420	5.7076	1.4515	0.5907	2.0422		16,810.1263	16,810.1263	0.1242		16,812.7333
Worker	4.7600	8.7958	73.9383	0.3299	30.0805	0.1872	30.2677	7.9771	0.1737	8.1507		21,819.4562	21,819.4562	0.8596		21,837.5068
Total	**10.2814**	**38.9343**	**177.4591**	**0.5098**	**35.1460**	**0.8293**	**35.9753**	**9.4285**	**0.7644**	**10.1929**		**38,629.5824**	**38,629.5824**	**0.9837**		**38,650.2402**

3.5 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4523	29.7888	102.1634	0.1799	5.0660	0.6415	5.7075	1.4517	0.5902	2.0418		16,814.4005	16,814.4005	0.1242		16,817.0094
Worker	4.5753	8.4357	71.0499	0.3299	30.0805	0.1888	30.2693	7.9771	0.1752	8.1523		21,601.7752	21,601.7752	0.8369		21,619.3490
Total	**10.0276**	**38.2245**	**173.2132**	**0.5098**	**35.1465**	**0.8303**	**35.9768**	**9.4287**	**0.7654**	**10.1941**		**38,416.1757**	**38,416.1757**	**0.9611**		**38,436.3585**

3.5 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4523	29.7888	102.1634	0.1799	5.0660	0.6415	5.7075	1.4517	0.5902	2.0418		16,814.4005	16,814.4005	0.1242		16,817.0094
Worker	4.5753	8.4357	71.0499	0.3299	30.0805	0.1888	30.2693	7.9771	0.1752	8.1523		21,601.7752	21,601.7752	0.8369		21,619.3490
Total	**10.0276**	**38.2245**	**173.2132**	**0.5098**	**35.1465**	**0.8303**	**35.9768**	**9.4287**	**0.7654**	**10.1941**		**38,416.1757**	**38,416.1757**	**0.9611**		**38,436.3585**

3.5 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4649	29 5523	101.6871	0.1799	5.0667	0.6421	5.7087	1.4519	0.5907	2.0427		16,819.0171	16,819.0171	0.1245		16,821.6308
Worker	4.4025	8.1134	68.4880	0.3299	30.0805	0.1902	30.2707	7.9771	0.1765	8.1535		21,412.2835	21,412.2835	0.8164		21,429.4284
Total	**9.8673**	**37.6657**	**170.1751**	**0.5098**	**35.1472**	**0.8323**	**35.9795**	**9.4290**	**0.7672**	**10.1962**		**38,231.3006**	**38,231.3006**	**0.9409**		**38,251.0592**

3.5 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4649	29 5523	101.6871	0.1799	5.0667	0.6421	5.7087	1.4519	0.5907	2.0427		16,819.0171	16,819.0171	0.1245		16,821.6308
Worker	4.4025	8.1134	68.4880	0.3299	30.0805	0.1902	30.2707	7.9771	0.1765	8.1535		21,412.2835	21,412.2835	0.8164		21,429.4284
Total	**9.8673**	**37.6657**	**170.1751**	**0.5098**	**35.1472**	**0.8323**	**35.9795**	**9.4290**	**0.7672**	**10.1962**		**38,231.3006**	**38,231.3006**	**0.9409**		**38,251.0592**

3.5 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4511	29 3269	101.0662	0.1800	5.0672	0.6420	5.7093	1.4522	0.5907	2.0428		16,822.8310	16,822.8310	0.1246		16,825.4469
Worker	4.2436	7.8178	66.2287	0.3299	30.0805	0.1914	30.2719	7.9771	0.1776	8.1546		21,249.0241	21,249.0241	0.7980		21,265.7822
Total	**9.6947**	**37.1447**	**167.2949**	**0.5099**	**35.1477**	**0.8334**	**35.9812**	**9.4292**	**0.7682**	**10.1975**		**38,071.8551**	**38,071.8551**	**0.9226**		**38,091.2291**

3.5 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4511	29 3269	101.0662	0.1800	5.0672	0.6420	5.7093	1.4522	0.5907	2.0428		16,822.8310	16,822.8310	0.1246		16,825.4469
Worker	4.2436	7.8178	66.2287	0.3299	30.0805	0.1914	30.2719	7.9771	0.1776	8.1546		21,249.0241	21,249.0241	0.7980		21,265.7822
Total	**9.6947**	**37.1447**	**167.2949**	**0.5099**	**35.1477**	**0.8334**	**35.9812**	**9.4292**	**0.7682**	**10.1975**		**38,071.8551**	**38,071.8551**	**0.9226**		**38,091.2291**

3.5 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**		**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4466	29.1464	100.7000	0.1800	5.0678	0.6419	5.7096	1.4524	0.5906	2.0429		16,826.0582	16,826.0582	0.1247		16,828.6759
Worker	4.0880	7.5318	64.0481	0.3299	30.0805	0.1923	30.2728	7.9771	0.1784	8.1554		21,108.5781	21,108.5781	0.7802		21,124.9629
Total	**9.5346**	**36.6782**	**164.7481**	**0.5099**	**35.1483**	**0.8342**	**35.9824**	**9.4294**	**0.7689**	**10.1984**		**37,934.6363**	**37,934.6363**	**0.9049**		**37,953.6388**

3.5 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**	**0.0000**	**2,545.8905**	**2,545.8905**	**0.5975**		**2,558.4386**

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	5.4466	29.1464	100.7000	0.1800	5.0678	0.6419	5.7096	1.4524	0.5906	2.0429		16,826.0582	16,826.0582	0.1247		16,828.6759
Worker	4.0880	7.5318	64.0481	0.3299	30.0805	0.1923	30.2728	7.9771	0.1784	8.1554		21,108.5781	21,108.5781	0.7802		21,124.9629
Total	**9.5346**	**36.6782**	**164.7481**	**0.5099**	**35.1483**	**0.8342**	**35.9824**	**9.4294**	**0.7689**	**10.1984**		**37,934.6363**	**37,934.6363**	**0.9049**		**37,953.6388**

3.5 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.3525	28 9253	99.5649	0.1800	5.0681	0.6416	5.7098	1.4525	0.5903	2.0428		16,827.8242	16,827.8242	0.1247		16,830.4434
Worker	3.9472	7.2818	62.2506	0.3299	30.0805	0.1930	30.2735	7.9771	0.1790	8.1561		20,989.9721	20,989.9721	0.7644		21,006.0247
Total	**9.2998**	**36.2071**	**161.8155**	**0.5099**	**35.1486**	**0.8346**	**35.9832**	**9.4296**	**0.7693**	**10.1989**		**37,817.7962**	**37,817.7962**	**0.8891**		**37,836.4681**

3.5 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.3525	28 9253	99.5649	0.1800	5.0681	0.6416	5.7098	1.4525	0.5903	2.0428		16,827.8242	16,827.8242	0.1247		16,830.4434
Worker	3.9472	7.2818	62.2506	0.3299	30.0805	0.1930	30.2735	7.9771	0.1790	8.1561		20,989.9721	20,989.9721	0.7644		21,006.0247
Total	**9.2998**	**36.2071**	**161.8155**	**0.5099**	**35.1486**	**0.8346**	**35.9832**	**9.4296**	**0.7693**	**10.1989**		**37,817.7962**	**37,817.7962**	**0.8891**		**37,836.4681**

3.5 Building Construction - 2031

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.3867	28.7969	99.6086	0.1800	5.0687	0.6418	5.7106	1.4528	0.5905	2.0433		16,831.7261	16,831.7261	0.1248		16,834.3474
Worker	3.8138	7.0422	60.5798	0.3299	30.0805	0.1933	30.2738	7.9771	0.1793	8.1564		20,890.1660	20,890.1660	0.7497		20,905.9092
Total	**9.2005**	**35.8390**	**160.1884**	**0.5099**	**35.1492**	**0.8351**	**35.9843**	**9.4298**	**0.7698**	**10.1996**		**37,721.8920**	**37,721.8920**	**0.8745**		**37,740.2567**

3.5 Building Construction - 2031

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.3867	28.7969	99.6086	0.1800	5.0687	0.6418	5.7106	1.4528	0.5905	2.0433		16,831.7261	16,831.7261	0.1248		16,834.3474
Worker	3.8138	7.0422	60.5798	0.3299	30.0805	0.1933	30.2738	7.9771	0.1793	8.1564		20,890.1660	20,890.1660	0.7497		20,905.9092
Total	**9.2005**	**35.8390**	**160.1884**	**0.5099**	**35.1492**	**0.8351**	**35.9843**	**9.4298**	**0.7698**	**10.1996**		**37,721.8920**	**37,721.8920**	**0.8745**		**37,740.2567**

3.5 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.4172	28.6918	99.6270	0.1801	5.0693	0.6421	5.7114	1.4530	0.5907	2.0437		16,835.8387	16,835.8387	0.1249		16,838.4620
Worker	3.6923	6.8326	59.1390	0.3299	30.0805	0.1934	30.2739	7.9771	0.1794	8.1565		20,806.6636	20,806.6636	0.7366		20,822.1329
Total	**9.1094**	**35.5244**	**158.7660**	**0.5099**	**35.1498**	**0.8355**	**35.9853**	**9.4301**	**0.7701**	**10.2002**		**37,642.5023**	**37,642.5023**	**0.8616**		**37,660.5950**

3.5 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.4172	28.6918	99.6270	0.1801	5.0693	0.6421	5.7114	1.4530	0.5907	2.0437		16,835.8387	16,835.8387	0.1249		16,838.4620
Worker	3.6923	6.8326	59.1390	0.3299	30.0805	0.1934	30.2739	7.9771	0.1794	8.1565		20,806.6636	20,806.6636	0.7366		20,822.1329
Total	**9.1094**	**35.5244**	**158.7660**	**0.5099**	**35.1498**	**0.8355**	**35.9853**	**9.4301**	**0.7701**	**10.2002**		**37,642.5023**	**37,642.5023**	**0.8616**		**37,660.5950**

3.5 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.4184	28 5705	99.5014	0.1801	5.0699	0.6421	5.7119	1.4532	0.5907	2.0439		16,839.2332	16,839.2332	0.1250		16,841.8577
Worker	3.5791	6.6603	57.9700	0.3299	30.0805	0.1935	30.2740	7.9771	0.1795	8.1566		20,737.5307	20,737.5307	0.7256		20,752.7686
Total	**8.9974**	**35.2308**	**157.4714**	**0.5100**	**35.1504**	**0.8356**	**35.9859**	**9.4303**	**0.7702**	**10.2005**		**37,576.7639**	**37,576.7639**	**0.8506**		**37,594.6264**

3.5 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.4184	28 5705	99.5014	0.1801	5.0699	0.6421	5.7119	1.4532	0.5907	2.0439		16,839.2332	16,839.2332	0.1250		16,841.8577
Worker	3.5791	6.6603	57.9700	0.3299	30.0805	0.1935	30.2740	7.9771	0.1795	8.1566		20,737.5307	20,737.5307	0.7256		20,752.7686
Total	**8.9974**	**35.2308**	**157.4714**	**0.5100**	**35.1504**	**0.8356**	**35.9859**	**9.4303**	**0.7702**	**10.2005**		**37,576.7639**	**37,576.7639**	**0.8506**		**37,594.6264**

3.5 Building Construction - 2034

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**		**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.4139	28.4711	99.4560	0.1801	5.0703	0.6420	5.7123	1.4534	0.5906	2.0440		16,842.3270	16,842.3270	0.1250		16,844.9525
Worker	3.4646	6.5155	56.8502	0.3299	30.0805	0.1933	30.2739	7.9771	0.1794	8.1564		20,679.0994	20,679.0994	0.7152		20,694.1195
Total	**8.8785**	**34.9866**	**156.3062**	**0.5100**	**35.1508**	**0.8353**	**35.9862**	**9.4305**	**0.7700**	**10.2005**		**37,521.4263**	**37,521.4263**	**0.8403**		**37,539.0720**

3.5 Building Construction - 2034

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1158**		**2,887.2617**

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	5.4139	28.4711	99.4560	0.1801	5.0703	0.6420	5.7123	1.4534	0.5906	2.0440		16,842.3270	16,842.3270	0.1250		16,844.9525
Worker	3.4646	6.5155	56.8502	0.3299	30.0805	0.1933	30.2739	7.9771	0.1794	8.1564		20,679.0994	20,679.0994	0.7152		20,694.1195
Total	**8.8785**	**34.9866**	**156.3062**	**0.5100**	**35.1508**	**0.8353**	**35.9862**	**9.4305**	**0.7700**	**10.2005**		**37,521.4263**	**37,521.4263**	**0.8403**		**37,539.0720**

3.5 Building Construction - 2035

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	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
Total	**1.2123**	**7.1510**	**16.0922**	**0.0308**		**0.0901**	**0.0901**		**0.0901**	**0.0901**		**2,884.8300**	**2,884.8300**	**0.1075**		**2,887.0878**

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	5.3824	28 3781	99.3689	0.1801	5.0707	0.6416	5.7123	1.4535	0.5903	2.0438		16,844.5673	16,844.5673	0.1251		16,847.1934
Worker	3.3630	6.4024	55.8792	0.3299	30.0805	0.1931	30.2736	7.9771	0.1792	8.1562		20,630.6932	20,630.6932	0.7062		20,645.5225
Total	**8.7454**	**34.7805**	**155.2481**	**0.5100**	**35.1512**	**0.8347**	**35.9859**	**9.4306**	**0.7695**	**10.2001**		**37,475.2605**	**37,475.2605**	**0.8312**		**37,492.7159**

3.5 Building Construction - 2035

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	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
Total	**1.2123**	**7.1510**	**16.0922**	**0.0308**		**0.0901**	**0.0901**		**0.0901**	**0.0901**	**0.0000**	**2,884.8300**	**2,884.8300**	**0.1075**		**2,887.0878**

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	5.3824	28 3781	99.3689	0.1801	5.0707	0.6416	5.7123	1.4535	0.5903	2.0438		16,844.5673	16,844.5673	0.1251		16,847.1934
Worker	3.3630	6.4024	55.8792	0.3299	30.0805	0.1931	30.2736	7.9771	0.1792	8.1562		20,630.6932	20,630.6932	0.7062		20,645.5225
Total	**8.7454**	**34.7805**	**155.2481**	**0.5100**	**35.1512**	**0.8347**	**35.9859**	**9.4306**	**0.7695**	**10.2001**		**37,475.2605**	**37,475.2605**	**0.8312**		**37,492.7159**

3.6 Architectural Coating - 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					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2 9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	**14.0812**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9057**

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	1.2365	2.3582	19.8575	0.0660	6.0161	0.0369	6.0530	1.5954	0.0342	1.6297		4,687.8287	4,687.8287	0.2094		4,692.2270
Total	**1.2365**	**2.3582**	**19.8575**	**0.0660**	**6.0161**	**0.0369**	**6.0530**	**1.5954**	**0.0342**	**1.6297**		**4,687.8287**	**4,687.8287**	**0.2094**		**4,692.2270**

3.6 Architectural Coating - 2020

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2 9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	**14.0812**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9057**

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	1.2365	2.3582	19.8575	0.0660	6.0161	0.0369	6.0530	1.5954	0.0342	1.6297		4,687.8287	4,687.8287	0.2094		4,692.2270
Total	**1.2365**	**2.3582**	**19.8575**	**0.0660**	**6.0161**	**0.0369**	**6.0530**	**1.5954**	**0.0342**	**1.6297**		**4,687.8287**	**4,687.8287**	**0.2094**		**4,692.2270**

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	13.8390					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		281.8537
Total	**14.0579**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.8537**

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	1.1649	2.2013	18.5425	0.0660	6.0161	0.0369	6.0530	1.5954	0.0342	1.6296		4,608.5642	4,608.5642	0.1996		4,612.7551
Total	**1.1649**	**2.2013**	**18.5425**	**0.0660**	**6.0161**	**0.0369**	**6.0530**	**1.5954**	**0.0342**	**1.6296**		**4,608.5642**	**4,608.5642**	**0.1996**		**4,612.7551**

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					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		281.8537
Total	**14.0579**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.8537**

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	1.1649	2.2013	18.5425	0.0660	6.0161	0.0369	6.0530	1.5954	0.0342	1.6296		4,608.5642	4,608.5642	0.1996		4,612.7551
Total	**1.1649**	**2.2013**	**18.5425**	**0.0660**	**6.0161**	**0.0369**	**6.0530**	**1.5954**	**0.0342**	**1.6296**		**4,608.5642**	**4,608.5642**	**0.1996**		**4,612.7551**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2 9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329
Total	**14.0436**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.8329**

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	1.1021	2.0661	17.3860	0.0660	6.0161	0.0370	6.0531	1.5954	0.0343	1.6297		4,536.7957	4,536.7957	0.1911		4,540.8087
Total	**1.1021**	**2.0661**	**17.3860**	**0.0660**	**6.0161**	**0.0370**	**6.0531**	**1.5954**	**0.0343**	**1.6297**		**4,536.7957**	**4,536.7957**	**0.1911**		**4,540.8087**

3.6 Architectural Coating - 2022

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2 9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.8329
Total	**14.0436**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.8329**

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	1.1021	2.0661	17.3860	0.0660	6.0161	0.0370	6.0531	1.5954	0.0343	1.6297		4,536.7957	4,536.7957	0.1911		4,540.8087
Total	**1.1021**	**2.0661**	**17.3860**	**0.0660**	**6.0161**	**0.0370**	**6.0531**	**1.5954**	**0.0343**	**1.6297**		**4,536.7957**	**4,536.7957**	**0.1911**		**4,540.8087**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2 9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
Total	**14.0307**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8017**

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	1.0440	1.9461	16.3238	0.0660	6.0161	0.0371	6.0532	1.5954	0.0344	1.6298		4,471.9836	4,471.9836	0.1836		4,475.8397
Total	**1.0440**	**1.9461**	**16.3238**	**0.0660**	**6.0161**	**0.0371**	**6.0532**	**1.5954**	**0.0344**	**1.6298**		**4,471.9836**	**4,471.9836**	**0.1836**		**4,475.8397**

3.6 Architectural Coating - 2023

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2 9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8017
Total	**14.0307**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8017**

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	1.0440	1.9461	16.3238	0.0660	6.0161	0.0371	6.0532	1.5954	0.0344	1.6298		4,471.9836	4,471.9836	0.1836		4,475.8397
Total	**1.0440**	**1.9461**	**16.3238**	**0.0660**	**6.0161**	**0.0371**	**6.0532**	**1.5954**	**0.0344**	**1.6298**		**4,471.9836**	**4,471.9836**	**0.1836**		**4,475.8397**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2 9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809
Total	**14.0198**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.7809**

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	0.9941	1.8448	15.4830	0.0660	6.0161	0.0372	6.0533	1.5954	0.0345	1.6299		4,414.4491	4,414.4491	0.1773		4,418.1720
Total	**0.9941**	**1.8448**	**15.4830**	**0.0660**	**6.0161**	**0.0372**	**6.0533**	**1.5954**	**0.0345**	**1.6299**		**4,414.4491**	**4,414.4491**	**0.1773**		**4,418.1720**

3.6 Architectural Coating - 2024

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2 9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.7809
Total	**14.0198**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.7809**

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	0.9941	1.8448	15.4830	0.0660	6.0161	0.0372	6.0533	1.5954	0.0345	1.6299		4,414.4491	4,414.4491	0.1773		4,418.1720
Total	**0.9941**	**1.8448**	**15.4830**	**0.0660**	**6.0161**	**0.0372**	**6.0533**	**1.5954**	**0.0345**	**1.6299**		**4,414.4491**	**4,414.4491**	**0.1773**		**4,418.1720**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.9520	1.7592	14.7877	0.0660	6.0161	0.0374	6.0535	1.5954	0.0347	1.6302		4,363.8912	4,363.8912	0.1719		4,367.5014
Total	**0.9520**	**1.7592**	**14.7877**	**0.0660**	**6.0161**	**0.0374**	**6.0535**	**1.5954**	**0.0347**	**1.6302**		**4,363.8912**	**4,363.8912**	**0.1719**		**4,367.5014**

3.6 Architectural Coating - 2025

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.9520	1.7592	14.7877	0.0660	6.0161	0.0374	6.0535	1.5954	0.0347	1.6302		4,363.8912	4,363.8912	0.1719		4,367.5014
Total	**0.9520**	**1.7592**	**14.7877**	**0.0660**	**6.0161**	**0.0374**	**6.0535**	**1.5954**	**0.0347**	**1.6302**		**4,363.8912**	**4,363.8912**	**0.1719**		**4,367.5014**

3.6 Architectural Coating - 2026

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.9151	1.6872	14.2100	0.0660	6.0161	0.0378	6.0539	1.5954	0.0350	1.6305		4,320.3550	4,320.3550	0.1674		4,323.8698
Total	**0.9151**	**1.6872**	**14.2100**	**0.0660**	**6.0161**	**0.0378**	**6.0539**	**1.5954**	**0.0350**	**1.6305**		**4,320.3550**	**4,320.3550**	**0.1674**		**4,323.8698**

3.6 Architectural Coating - 2026

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.9151	1.6872	14.2100	0.0660	6.0161	0.0378	6.0539	1.5954	0.0350	1.6305		4,320.3550	4,320.3550	0.1674		4,323.8698
Total	**0.9151**	**1.6872**	**14.2100**	**0.0660**	**6.0161**	**0.0378**	**6.0539**	**1.5954**	**0.0350**	**1.6305**		**4,320.3550**	**4,320.3550**	**0.1674**		**4,323.8698**

3.6 Architectural Coating - 2027

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.8805	1.6227	13.6976	0.0660	6.0161	0.0380	6.0541	1.5954	0.0353	1.6307		4,282.4567	4,282.4567	0.1633		4,285.8857
Total	**0.8805**	**1.6227**	**13.6976**	**0.0660**	**6.0161**	**0.0380**	**6.0541**	**1.5954**	**0.0353**	**1.6307**		**4,282.4567**	**4,282.4567**	**0.1633**		**4,285.8857**

3.6 Architectural Coating - 2027

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.8805	1.6227	13.6976	0.0660	6.0161	0.0380	6.0541	1.5954	0.0353	1.6307		4,282.4567	4,282.4567	0.1633		4,285.8857
Total	**0.8805**	**1.6227**	**13.6976**	**0.0660**	**6.0161**	**0.0380**	**6.0541**	**1.5954**	**0.0353**	**1.6307**		**4,282.4567**	**4,282.4567**	**0.1633**		**4,285.8857**

3.6 Architectural Coating - 2028

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.8487	1.5636	13.2457	0.0660	6.0161	0.0383	6.0544	1.5954	0.0355	1.6309		4,249.8048	4,249.8048	0.1596		4,253.1564
Total	**0.8487**	**1.5636**	**13.2457**	**0.0660**	**6.0161**	**0.0383**	**6.0544**	**1.5954**	**0.0355**	**1.6309**		**4,249.8048**	**4,249.8048**	**0.1596**		**4,253.1564**

3.6 Architectural Coating - 2028

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.8487	1.5636	13.2457	0.0660	6.0161	0.0383	6.0544	1.5954	0.0355	1.6309		4,249.8048	4,249.8048	0.1596		4,253.1564
Total	**0.8487**	**1.5636**	**13.2457**	**0.0660**	**6.0161**	**0.0383**	**6.0544**	**1.5954**	**0.0355**	**1.6309**		**4,249.8048**	**4,249.8048**	**0.1596**		**4,253.1564**

3.6 Architectural Coating - 2029

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.8176	1.5064	12.8096	0.0660	6.0161	0.0385	6.0546	1.5954	0.0357	1.6311		4,221.7156	4,221.7156	0.1561		4,224.9926
Total	**0.8176**	**1.5064**	**12.8096**	**0.0660**	**6.0161**	**0.0385**	**6.0546**	**1.5954**	**0.0357**	**1.6311**		**4,221.7156**	**4,221.7156**	**0.1561**		**4,224.9926**

3.6 Architectural Coating - 2029

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	**14.0099**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.7705**

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	0.8176	1.5064	12.8096	0.0660	6.0161	0.0385	6.0546	1.5954	0.0357	1.6311		4,221.7156	4,221.7156	0.1561		4,224.9926
Total	**0.8176**	**1.5064**	**12.8096**	**0.0660**	**6.0161**	**0.0385**	**6.0546**	**1.5954**	**0.0357**	**1.6311**		**4,221.7156**	**4,221.7156**	**0.1561**		**4,224.9926**

3.6 Architectural Coating - 2030

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7894	1.4564	12.4501	0.0660	6.0161	0.0386	6.0547	1.5954	0.0358	1.6312		4,197.9944	4,197.9944	0.1529		4,201.2049
Total	**0.7894**	**1.4564**	**12.4501**	**0.0660**	**6.0161**	**0.0386**	**6.0547**	**1.5954**	**0.0358**	**1.6312**		**4,197.9944**	**4,197.9944**	**0.1529**		**4,201.2049**

3.6 Architectural Coating - 2030

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7894	1.4564	12.4501	0.0660	6.0161	0.0386	6.0547	1.5954	0.0358	1.6312		4,197.9944	4,197.9944	0.1529		4,201.2049
Total	**0.7894**	**1.4564**	**12.4501**	**0.0660**	**6.0161**	**0.0386**	**6.0547**	**1.5954**	**0.0358**	**1.6312**		**4,197.9944**	**4,197.9944**	**0.1529**		**4,201.2049**

3.6 Architectural Coating - 2031

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7628	1.4084	12.1160	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,178.0332	4,178.0332	0.1499		4,181.1819
Total	**0.7628**	**1.4084**	**12.1160**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,178.0332**	**4,178.0332**	**0.1499**		**4,181.1819**

3.6 Architectural Coating - 2031

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7628	1.4084	12.1160	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,178.0332	4,178.0332	0.1499		4,181.1819
Total	**0.7628**	**1.4084**	**12.1160**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,178.0332**	**4,178.0332**	**0.1499**		**4,181.1819**

3.6 Architectural Coating - 2032

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7385	1.3665	11.8278	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,161.3327	4,161.3327	0.1473		4,164.4266
Total	**0.7385**	**1.3665**	**11.8278**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,161.3327**	**4,161.3327**	**0.1473**		**4,164.4266**

3.6 Architectural Coating - 2032

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7385	1.3665	11.8278	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,161.3327	4,161.3327	0.1473		4,164.4266
Total	**0.7385**	**1.3665**	**11.8278**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,161.3327**	**4,161.3327**	**0.1473**		**4,164.4266**

3.6 Architectural Coating - 2033

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7158	1.3321	11.5940	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,147.5061	4,147.5061	0.1451		4,150.5537
Total	**0.7158**	**1.3321**	**11.5940**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,147.5061**	**4,147.5061**	**0.1451**		**4,150.5537**

3.6 Architectural Coating - 2033

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.7158	1.3321	11.5940	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,147.5061	4,147.5061	0.1451		4,150.5537
Total	**0.7158**	**1.3321**	**11.5940**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,147.5061**	**4,147.5061**	**0.1451**		**4,150.5537**

3.6 Architectural Coating - 2034

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.6929	1.3031	11.3700	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,135.8199	4,135.8199	0.1431		4,138.8239
Total	**0.6929**	**1.3031**	**11.3700**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,135.8199**	**4,135.8199**	**0.1431**		**4,138.8239**

3.6 Architectural Coating - 2034

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	**13.9698**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.6873**

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	0.6929	1.3031	11.3700	0.0660	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,135.8199	4,135.8199	0.1431		4,138.8239
Total	**0.6929**	**1.3031**	**11.3700**	**0.0660**	**6.0161**	**0.0387**	**6.0548**	**1.5954**	**0.0359**	**1.6313**		**4,135.8199**	**4,135.8199**	**0.1431**		**4,138.8239**

3.6 Architectural Coating - 2035

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2 9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
Total	**13.9569**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**281.4481**	**281.4481**	**0.0104**		**281.6665**

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	0.6726	1.2805	11.1759	0.0660	6.0161	0.0386	6.0547	1.5954	0.0358	1.6313		4,126.1386	4,126.1386	0.1412		4,129.1045
Total	**0.6726**	**1.2805**	**11.1759**	**0.0660**	**6.0161**	**0.0386**	**6.0547**	**1.5954**	**0.0358**	**1.6313**		**4,126.1386**	**4,126.1386**	**0.1412**		**4,129.1045**

3.6 Architectural Coating - 2035

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	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2 9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
Total	**13.9569**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0104**		**281.6665**

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	0.6726	1.2805	11.1759	0.0660	6.0161	0.0386	6.0547	1.5954	0.0358	1.6313		4,126.1386	4,126.1386	0.1412		4,129.1045
Total	**0.6726**	**1.2805**	**11.1759**	**0.0660**	**6.0161**	**0.0386**	**6.0547**	**1.5954**	**0.0358**	**1.6313**		**4,126.1386**	**4,126.1386**	**0.1412**		**4,129.1045**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	55.5162	98 9146	575.4056	1.3498	89.5785	2.0286	91.6071	24.0358	1.8718	25.9076		99,194.3955	99,194.3955	2.4149		99,245.1078
Unmitigated	55.5162	98 9146	575.4056	1.3498	89.5785	2.0286	91.6071	24.0358	1.8718	25.9076		99,194.3955	99,194.3955	2.4149		99,245.1078

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	5,601.50	6,086.00	5159.50	10,167,045	10,167,045
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	1,225.50	1,228.50	892.50	1,152,382	1,152,382
Manufacturing	3,376.88	1,317.16	548.08	5,034,817	5,034,817
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	3,660,692	3,660,692
Regional Shopping Center	1,080.37	1,257.25	635.04	921,030	921,030
Research & Development	12,246.10	2,869.00	1676.10	13,238,380	13,238,380
Research & Development	372.25	87.21	50.95	402,412	402,412
Total	28,196.60	17,842.12	11,486.17	34,576,758	34,576,758

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	8.18	3.46	3.84	42.60	21.00	36.40	86	11	3
Enclosed Parking with Elevator	7.15	3.21	3.21	0.00	0.00	0.00	0	0	0
Hotel	7.15	3.21	3.21	19.40	61.60	19.00	58	38	4
Manufacturing	7.15	3.21	3.21	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	7.15	3.21	3.21	0.00	0.00	0.00	0	0	0
Parking Lot	7.15	3.21	3.21	0.00	0.00	0.00	0	0	0
Regional Shopping Center	7.15	3.21	3.21	16.30	64.70	19.00	54	35	11
Regional Shopping Center	7.15	3.21	3.21	16.30	64.70	19.00	54	35	11
Research & Development	7.15	3.21	3.21	33.00	48.00	19.00	82	15	3
Research & Development	7.15	3.21	3.21	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	1.3385	12.0658	9.4683	0.0730		0.9248	0.9248		0.9248	0.9248		14,602.2673	14,602.2673	0.2799	0.2677	14,691.1342
NaturalGas Unmitigated	1.8906	17.0505	13.4349	0.1031		1.3062	1.3062		1.3062	1.3062		20,624.5999	20,624.5999	0.3953	0.3781	20,750.1177

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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	16773.6	0.1809	1.6445	1.3814	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.3628	1,973.3628	0.0378	0.0362	1,985.3723
Manufacturing	47493.8	0.5122	4.6563	3.9113	0.0279		0.3539	0.3539		0.3539	0.3539		5,587.5069	5,587.5069	0.1071	0.1024	5,621.5115
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3367.12	0.0363	0.3301	0.2773	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.1322	396.1322	7.5900e-003	7.2600e-003	398.5430
Regional Shopping Center	847	9.1300e-003	0.0830	0.0698	5.0000e-004		6.3100e-003	6.3100e-003		6.3100e-003	6.3100e-003		99.6470	99.6470	1.9100e-003	1.8300e-003	100.2535
Research & Development	2466.08	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.1269	290.1269	5.5600e-003	5.3200e-003	291.8925
Research & Development	81126.3	0.8749	7.9536	6.6810	0.0477		0.6045	0.6045		0.6045	0.6045		9,544.2708	9,544.2708	0.1829	0.1750	9,602.3556
Apartments Mid Rise	23235.2	0.2506	2.1413	0.9112	0.0137		0.1731	0.1731		0.1731	0.1731		2,733.5534	2,733.5534	0.0524	0.0501	2,750.1894
Total		**1.8906**	**17.0505**	**13.4349**	**0.1031**		**1.3062**	**1.3062**		**1.3062**	**1.3062**		**20,624.5999**	**20,624.5999**	**0.3953**	**0.3781**	**20,750.1177**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	11.7881	0.1271	1.1557	0.9708	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,386.8297	1,386.8297	0.0266	0.0254	1,395.2697
Manufacturing	33.2893	0.3590	3.2637	2.7415	0.0196		0.2480	0.2480		0.2480	0.2480		3,916.3836	3,916.3836	0.0751	0.0718	3,940.2180
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.600343	6.4700e-003	0.0589	0.0494	3.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003		70.6286	70.6286	1.3500e-003	1.2900e-003	71.0584
Regional Shopping Center	2.38658	0.0257	0.2340	0.1965	1.4000e-003		0.0178	0.0178		0.0178	0.0178		280.7736	280.7736	5.3800e-003	5.1500e-003	282.4823
Research & Development	1.72852	0.0186	0.1695	0.1424	1.0200e-003		0.0129	0.0129		0.0129	0.0129		203.3551	203.3551	3.9000e-003	3.7300e-003	204.5927
Research & Development	56.8629	0.6132	5.5748	4.6828	0.0335		0.4237	0.4237		0.4237	0.4237		6,689.7502	6,689.7502	0.1282	0.1227	6,730.4629
Apartments Mid Rise	17.4636	0.1883	1.6094	0.6849	0.0103		0.1301	0.1301		0.1301	0.1301		2,054.5466	2,054.5466	0.0394	0.0377	2,067.0502
Total		**1.3385**	**12.0658**	**9.4683**	**0.0730**		**0.9248**	**0.9248**		**0.9248**	**0.9248**		**14,602.2673**	**14,602.2673**	**0.2799**	**0.2677**	**14,691.1342**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	110.5044	0 8088	70.2403	3.7200e-003		1.4159	1.4159		1.4051	1.4051	0.0000	16,326.8725	16,326.8725	0.4323	0.2970	16,428.0199
Unmitigated	2,058.7080	27.0335	2,448.6235	0 9488		334.3777	334.3777		334.3711	334.3711	35,089.1179	10,026.8725	45,115.9904	32.9152	2.6622	46,632.4958

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	14.6353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	115.5432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,926.4146	26.2247	2,378.4642	0 9450		333.9878	333.9878		333.9812	333.9812	35,089.1179	9,900.0000	44,989.1179	32.7934	2.6622	46,503.0664
Landscaping	2.1150	0 8087	70.1593	3.7200e-003		0.3899	0.3899		0.3899	0.3899		126.8725	126.8725	0.1218		129.4294
Total	**2,058.7080**	**27.0335**	**2,448.6235**	**0.9488**		**334.3777**	**334.3777**		**334.3711**	**334.3711**	**35,089.1179**	**10,026.8725**	**45,115.9904**	**32.9152**	**2.6622**	**46,632.4958**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	106.9044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.4850	7.0000e-005	0.0810	0.0000		1.0260	1.0260		1.0152	1.0152	0.0000	16,200.0000	16,200.0000	0.3105	0.2970	16,298.5905
Landscaping	2.1150	0 8087	70.1593	3.7200e-003		0.3899	0.3899		0.3899	0.3899		126.8725	126.8725	0.1218		129.4294
Total	**110.5044**	**0.8088**	**70.2403**	**3.7200e-003**		**1.4159**	**1.4159**		**1.4051**	**1.4051**	**0.0000**	**16,326.8725**	**16,326.8725**	**0.4323**	**0.2970**	**16,428.0199**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Vegetation

Mace Ranch Innovation Center - Mixed-Use Alternative (MITIGATED)

Yolo County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

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Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	3.17630E-001	2.13234E+000	3.48618E+000	5.73000E-003	9.19400E-002	9.19400E-002	0.00000E+000	4.92778E+002	4.92778E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes	5.15850E-001	4.31996E+000	2.71083E+000	1.03400E-002	1.75840E-001	1.63120E-001	0.00000E+000	8.99855E+002	8.99855E+002	1.83910E-001	0.00000E+000	9.03718E+002
Excavators	1.12620E-001	1.18846E+000	1.32468E+000	2.09000E-003	5.75200E-002	5.29200E-002	0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts	5.50450E-001	4.40816E+000	6.72340E+000	9.61000E-003	2.15610E-001	1.99470E-001	0.00000E+000	8.36415E+002	8.36415E+002	1.73860E-001	0.00000E+000	8.40066E+002
Generator Sets	4.95590E-001	4.46859E+000	7.05460E+000	1.27000E-002	1.68440E-001	1.68440E-001	0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders	1.59260E-001	1.58398E+000	9.16620E-001	1.23000E-003	8.89000E-002	8.17800E-002	0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers	7.33000E-002	7.88960E-001	7.80650E-001	1.27000E-003	3.84700E-002	3.53900E-002	0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment	5.77900E-002	6.02630E-001	6.97720E-001	1.12000E-003	3.00500E-002	2.76400E-002	0.00000E+000	9.95368E+001	9.95368E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers	6.02500E-002	5.99810E-001	5.31630E-001	7.30000E-004	3.87200E-002	3.56200E-002	0.00000E+000	6.50811E+001	6.50811E+001	2.08700E-002	0.00000E+000	6.55194E+001
Rubber Tired Dozers	4.73290E-001	5.18389E+000	3.94429E+000	3.76000E-003	2.39960E-001	2.20760E-001	0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47213E+002
Scrapers	4.33260E-001	5.32047E+000	3.30415E+000	5.89000E-003	2.09230E-001	1.92500E-001	0.00000E+000	5.34027E+002	5.34027E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/ Backhoes	9.85500E-001	8.57557E+000	1.31672E+001	1.92200E-002	3.96300E-001	3.67360E-001	0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders	4.13740E-001	2.54561E+000	3.17587E+000	4.93000E-003	7.30800E-002	7.30800E-002	0.00000E+000	3.63266E+002	3.63266E+002	3.35600E-002	0.00000E+000	3.63971E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	3.17630E-001	2.13233E+000	3.48618E+000	5.73000E-003	9.19400E-002	9.19400E-002	0.00000E+000	4.92777E+002	4.92777E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes	5.15850E-001	4.31996E+000	2.71083E+000	1.03400E-002	1.75840E-001	1.63120E-001	0.00000E+000	8.99854E+002	8.99854E+002	1.83910E-001	0.00000E+000	9.03717E+002
Excavators	1.12620E-001	1.18846E+000	1.32467E+000	2.09000E-003	5.75200E-002	5.29200E-002	0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts	5.50450E-001	4.40816E+000	6.72339E+000	9.61000E-003	2.15610E-001	1.99470E-001	0.00000E+000	8.36414E+002	8.36414E+002	1.73860E-001	0.00000E+000	8.40065E+002
Generator Sets	4.95590E-001	4.46859E+000	7.05459E+000	1.27000E-002	1.68440E-001	1.68440E-001	0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders	1.59260E-001	1.58398E+000	9.16620E-001	1.23000E-003	8.89000E-002	8.17800E-002	0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers	7.33000E-002	7.88950E-001	7.80650E-001	1.27000E-003	3.84700E-002	3.53900E-002	0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment	5.77900E-002	6.02630E-001	6.97720E-001	1.12000E-003	3.00500E-002	2.76400E-002	0.00000E+000	9.95367E+001	9.95367E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers	6.02500E-002	5.99810E-001	5.31630E-001	7.30000E-004	3.87200E-002	3.56200E-002	0.00000E+000	6.50810E+001	6.50810E+001	2.08700E-002	0.00000E+000	6.55193E+001
Rubber Tired Dozers	4.73290E-001	5.18389E+000	3.94429E+000	3.76000E-003	2.39960E-001	2.20760E-001	0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47212E+002
Scrapers	4.33260E-001	5.32046E+000	3.30414E+000	5.89000E-003	2.09230E-001	1.92500E-001	0.00000E+000	5.34026E+002	5.34026E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/Backhoes	9.85500E-001	8.57556E+000	1.31672E+001	1.92200E-002	3.96300E-001	3.67360E-001	0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders	4.13740E-001	2.54560E+000	3.17587E+000	4.93000E-003	7.30800E-002	7.30800E-002	0.00000E+000	3.63265E+002	3.63265E+002	3.35600E-002	0.00000E+000	3.63970E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	4.68968E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17700E-006	1.17700E-006	0.00000E+000	0.00000E+000	1.19599E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18908E-006	1.18908E-006	0.00000E+000	0.00000E+000	1.19506E-006
Excavators	0.00000E+000	0.00000E+000	7.54899E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21251E-006	1.21251E-006	0.00000E+000	0.00000E+000	1.20459E-006
Forklifts	0.00000E+000	0.00000E+000	1.48734E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18362E-006	1.18362E-006	0.00000E+000	0.00000E+000	1.19038E-006
Generator Sets	0.00000E+000	0.00000E+000	1.41751E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19173E-006	1.19173E-006	0.00000E+000	0.00000E+000	1.19082E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16704E-006	1.16704E-006	0.00000E+000	0.00000E+000	1.24859E-006
Pavers	0.00000E+000	1.26749E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15915E-006	1.15915E-006	0.00000E+000	0.00000E+000	1.15140E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20558E-006	1.20558E-006	0.00000E+000	0.00000E+000	1.19752E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22924E-006	1.22924E-006	0.00000E+000	0.00000E+000	1.22101E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18852E-006	1.18852E-006	0.00000E+000	0.00000E+000	1.18083E-006
Scrapers	0.00000E+000	1.87953E-006	3.02650E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19844E-006	1.19844E-006	0.00000E+000	0.00000E+000	1.19061E-006
Tractors/Loaders/Backhoes	0.00000E+000	1.16610E-006	1.51892E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18848E-006	1.18848E-006	0.00000E+000	0.00000E+000	1.18893E-006
Welders	0.00000E+000	3.92833E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18371E-006	1.18371E-006	0.00000E+000	0.00000E+000	1.18141E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)			
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2 5	PM10	PM2 5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	11.24	2.99	11.24	2.99	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	65.71	17.68	65.71	17.68	0.00	0.00
Grading	Fugitive Dust	2.78	1.35	2.78	1.35	0.00	0.00
Grading	Roads	0.07	0.02	0.07	0.02	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Site Preparation	Fugitive Dust	2.71	1.49	2.71	1.49	0.00	0.00
Site Preparation	Roads	0.02	0.00	0.02	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.39	53.39	53.38	53.39	53.39
Hearth	99.92	100.00	100.00	100.00	99.69	99.70	100.00	-63.64	63.99	99.05	88.84	64.95
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	29.20	29.23	29.52	29.19	29.20	29.20	0.00	29.20	29.20	29.20	29.19	29.20
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	30.00	34.95	33.71	30.01	30.10	32.15
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.30	0.65		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.24	0.02		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	3.00			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	5.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
Yes	Use Low VOC Paint (Residential Interior)	0.00
Yes	Use Low VOC Paint (Residential Exterior)	0.00
Yes	Use Low VOC Paint (Non-residential Interior)	0.00
Yes	Use Low VOC Paint (Non-residential Exterior)	0.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	30.00	
No	Install High Efficiency Lighting	0.00	
Yes	On-site Renewable	0.00	50.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	30.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

APPENDIX G

Mace Ranch Innovation Center-Air Quality

Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Hotel	150.00	Room	5.00	217,800.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0
Parking Lot	8,356.00	Space	80.30	3,342,400.00	0
User Defined Recreational	64.60	User Defined Unit	64.60	0.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	54
Climate Zone	2			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Reflects land uses disclosed in the DEIR.

Construction Phase - Reflects DEIR CalEEMod output file.

Grading - Reflects DEIR.

Trips and VMT -

On-road Fugitive Dust - Reflects DEIR CalEEMod output file.

Vehicle Trips - Default values used.

Road Dust - Reflects DEIR CalEEMod output files.

Area Mitigation - Reflects DEIR CalEEMod output file.

Energy Mitigation -

Water Mitigation - Reflects DEIR CalEEMod output file.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	0
tblConstructionPhase	NumDays	330.00	3,860.00
tblConstructionPhase	NumDays	4,650.00	3,860.00
tblConstructionPhase	NumDays	465.00	395.00
tblConstructionPhase	NumDays	330.00	280.00
tblConstructionPhase	NumDays	180.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	224.42
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00

tblLandUse	LotAcreage	75.20	80.30
tblLandUse	LotAcreage	0.00	64.60
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3186	3 3709	2.6268	2.7100e-003	1.3694	0.1791	1.5486	0.7487	0.1648	0.9134						
2018	0.6883	7.6437	5.5907	8.2000e-003	2.6954	0.3598	3.0552	1.4199	0.3310	1.7510						
2019	0.4999	4 9836	3.9776	6.2800e-003	1.3373	0.2364	1.5737	0.6743	0.2175	0.8918						
2020	1.4115	5.1468	12.9707	0.0314	1.8448	0.1693	2.0141	0.4962	0.1572	0.6533						
2021	3.5665	10.0400	32.3753	0.0869	5.4506	0.2754	5.7260	1.4659	0.2571	1.7230						
2022	3.4224	8 9946	30.4892	0.0865	5.4298	0.2513	5.6811	1.4603	0.2344	1.6947						
2023	3.2374	8.1736	28.1041	0.0865	5.4299	0.2290	5.6589	1.4603	0.2135	1.6739						
2024	3.1930	7 9760	27.4033	0.0871	5.4718	0.2186	5.6905	1.4716	0.2037	1.6753						
2025	3.1065	7.6964	26.2668	0.0868	5.4511	0.2058	5.6569	1.4661	0.1915	1.6576						
2026	3.0694	7 5916	25.6681	0.0868	5.4512	0.2060	5.6572	1.4661	0.1917	1.6578						
2027	3.0448	7 5091	25.2151	0.0868	5.4513	0.2063	5.6576	1.4662	0.1920	1.6581						
2028	3.0068	7.4039	24.6946	0.0865	5.4305	0.2057	5.6362	1.4606	0.1914	1.6520						
2029	2.9932	7 3637	24.4017	0.0868	5.4515	0.2066	5.6580	1.4662	0.1923	1.6585						
2030	2.9454	6.6703	23.9978	0.0873	5.4515	0.1533	5.6049	1.4663	0.1431	1.6093						
2031	2.9288	6.6163	23.7366	0.0873	5.4516	0.1534	5.6050	1.4663	0.1431	1.6094						
2032	2.9246	6 5951	23.5987	0.0877	5.4726	0.1541	5.6267	1.4719	0.1437	1.6157						
2033	2.8848	6 5017	23.2183	0.0870	5.4309	0.1529	5.5838	1.4607	0.1427	1.6034						
2034	2.8663	6.4657	23.0345	0.0870	5.4310	0.1529	5.5838	1.4608	0.1426	1.6034						

	ROG	NOx	CO	SO2	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					
2035	1.3637	2 9278	10.6196	0.0405	2.5365	0.0667	2.6032	0.6822	0.0619	0.7441						
Total	**47.4719**	**129.6708**	**397.9893**	**1.3060**	**86.0386**	**3.7824**	**89.8210**	**24.5305**	**3.5152**	**28.0457**						

2.1 Overall Construction

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					
2017	0.3186	3 3709	2.6268	2.7100e-003	1.3694	0.1791	1.5486	0.7487	0.1648	0.9134						
2018	0.6883	7.6436	5.5906	8.2000e-003	2.6954	0.3598	3.0552	1.4199	0.3310	1.7510						
2019	0.4999	4 9836	3.9775	6.2800e-003	1.3373	0.2364	1.5737	0.6743	0.2175	0.8918						
2020	1.4115	5.1468	12.9707	0.0314	1.8448	0.1693	2.0141	0.4962	0.1572	0.6533						
2021	3.5665	10.0400	32.3753	0.0869	5.4506	0.2754	5.7260	1.4659	0.2571	1.7230						
2022	3.4224	8 9946	30.4892	0.0865	5.4298	0.2513	5.6811	1.4603	0.2344	1.6947						
2023	3.2374	8.1736	28.1041	0.0865	5.4299	0.2290	5.6589	1.4603	0.2135	1.6739						
2024	3.1930	7 9760	27.4033	0.0871	5.4718	0.2186	5.6905	1.4716	0.2037	1.6753						
2025	3.1065	7.6964	26.2668	0.0868	5.4511	0.2058	5.6569	1.4661	0.1915	1.6576						
2026	3.0694	7 5916	25.6681	0.0868	5.4512	0.2060	5.6572	1.4661	0.1917	1.6578						
2027	3.0448	7 5091	25.2151	0.0868	5.4513	0.2063	5.6576	1.4662	0.1920	1.6581						

	ROG	NOx	CO	SO2	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					
2028	3.0068	7.4039	24.6946	0.0865	5.4305	0.2057	5.6362	1.4606	0.1914	1.6520						
2029	2.9932	7 3637	24.4017	0.0868	5.4515	0.2066	5.6580	1.4662	0.1923	1.6585						
2030	2.9454	6.6703	23.9978	0.0873	5.4515	0.1533	5.6049	1.4663	0.1431	1.6093						
2031	2.9288	6.6163	23.7366	0.0873	5.4516	0.1534	5.6050	1.4663	0.1431	1.6094						
2032	2.9246	6 5951	23.5987	0.0877	5.4726	0.1541	5.6267	1.4719	0.1437	1.6157						
2033	2.8848	6 5017	23.2183	0.0870	5.4309	0.1529	5.5838	1.4607	0.1427	1.6034						
2034	2.8663	6.4657	23.0345	0.0870	5.4310	0.1529	5.5838	1.4608	0.1426	1.6034						
2035	1.3637	2 9278	10.6196	0.0405	2.5365	0.0667	2.6032	0.6822	0.0619	0.7441						
Total	**47.4719**	**129.6707**	**397.9891**	**1.3060**	**86.0386**	**3.7824**	**89.8210**	**24.5305**	**3.5152**	**28.0457**						

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	26.0562	9.1000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004						
Energy	0.2993	2.7209	2.2856	0.0163		0.2068	0.2068		0.2068	0.2068						
Mobile	7.3183	16.9706	75.8559	0 2902	18.9049	0.4051	19.3100	5.0866	0.3737	5.4603						
Waste						0.0000	0.0000		0.0000	0.0000						
Water						0.0000	0.0000		0.0000	0.0000						
Total	**33.6739**	**19.6924**	**78.2432**	**0.3066**	**18.9049**	**0.6123**	**19.5171**	**5.0866**	**0.5808**	**5.6674**						

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	22.2374	9.1000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004						
Energy	0.2099	1 9083	1.6030	0.0115		0.1450	0.1450		0.1450	0.1450						
Mobile	7.3183	16.9706	75.8559	0 2902	18.9049	0.4051	19.3100	5.0866	0.3737	5.4603						
Waste						0.0000	0.0000		0.0000	0.0000						
Water						0.0000	0.0000		0.0000	0.0000						
Total	**29.7656**	**18.8798**	**77.5606**	**0.3017**	**18.9049**	**0.5505**	**19.4554**	**5.0866**	**0.5191**	**5.6057**						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**11.61**	**4.13**	**0.87**	**1.59**	**0.00**	**10.09**	**0.32**	**0.00**	**10.63**	**1.09**	**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	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 224.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,363,896; Non-Residential Outdoor: 1,454,632 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	162	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	174	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	130	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,415.00	1,008.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	483.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448						
Off-Road	0.3145	3.3640	2.5608	2 5400e-003		0.1790	0.1790		0.1647	0.1647						
Total	**0.3145**	**3.3640**	**2.5608**	**2.5400e-003**	**1.3550**	**0.1790**	**1.5340**	**0.7448**	**0.1647**	**0.9095**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003						
Total	**4.0800e-003**	**6.9000e-003**	**0.0660**	**1.7000e-004**	**0.0145**	**1.0000e-004**	**0.0146**	**3.8500e-003**	**9.0000e-005**	**3.9300e-003**						

3.2 Site Preparation - 2017

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					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448						
Off-Road	0.3145	3.3640	2.5608	2 5400e-003		0.1790	0.1790		0.1647	0.1647						
Total	**0.3145**	**3.3640**	**2.5608**	**2.5400e-003**	**1.3550**	**0.1790**	**1.5340**	**0.7448**	**0.1647**	**0.9095**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003						
Total	**4.0800e-003**	**6.9000e-003**	**0.0660**	**1.7000e-004**	**0.0145**	**1.0000e-004**	**0.0146**	**3.8500e-003**	**9.0000e-005**	**3.9300e-003**						

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448						
Off-Road	0.0429	0.4561	0.3624	3 9000e-004		0.0237	0.0237		0.0218	0.0218						
Total	**0.0429**	**0.4561**	**0.3624**	**3.9000e-004**	**1.3550**	**0.0237**	**1.3786**	**0.7448**	**0.0218**	**0.7666**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004						
Total	**5.5000e-004**	**9.5000e-004**	**9.0600e-003**	**3.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2400e-003**	**5.9000e-004**	**1.0000e-005**	**6.1000e-004**						

3.2 Site Preparation - 2018

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					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448						
Off-Road	0.0429	0.4561	0.3624	3 9000e-004		0.0237	0.0237		0.0218	0.0218						
Total	**0.0429**	**0.4561**	**0.3624**	**3.9000e-004**	**1.3550**	**0.0237**	**1.3786**	**0.7448**	**0.0218**	**0.7666**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004						
Total	**5.5000e-004**	**9.5000e-004**	**9.0600e-003**	**3.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2400e-003**	**5.9000e-004**	**1.0000e-005**	**6.1000e-004**						

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3084	0.0000	1.3084	0.6666	0.0000	0.6666						
Off-Road	0.6374	7.1738	5.0980	7.4400e-003		0.3360	0.3360		0.3091	0.3091						
Total	**0.6374**	**7.1738**	**5.0980**	**7.4400e-003**	**1.3084**	**0.3360**	**1.6443**	**0.6666**	**0.3091**	**0.9757**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	7.4200e-003	0.0128	0.1213	3 5000e-004	0.0298	2.0000e-004	0.0300	7.9200e-003	1.8000e-004	8.1000e-003						
Total	**7.4200e-003**	**0.0128**	**0.1213**	**3.5000e-004**	**0.0298**	**2.0000e-004**	**0.0300**	**7.9200e-003**	**1.8000e-004**	**8.1000e-003**						

3.3 Grading - 2018

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					1.3084	0.0000	1.3084	0.6666	0.0000	0.6666						
Off-Road	0.6374	7.1738	5.0980	7.4400e-003		0.3360	0.3360		0.3091	0.3091						
Total	**0.6374**	**7.1738**	**5.0980**	**7.4400e-003**	**1.3084**	**0.3360**	**1.6443**	**0.6666**	**0.3091**	**0.9757**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	7.4200e-003	0.0128	0.1213	3 5000e-004	0.0298	2.0000e-004	0.0300	7.9200e-003	1.8000e-004	8.1000e-003						
Total	**7.4200e-003**	**0.0128**	**0.1213**	**3.5000e-004**	**0.0298**	**2.0000e-004**	**0.0300**	**7.9200e-003**	**1.8000e-004**	**8.1000e-003**						

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3084	0.0000	1.3084	0.6666	0.0000	0.6666						
Off-Road	0.3766	4.1732	3.1022	4.7500e-003		0.1929	0.1929		0.1775	0.1775						
Total	**0.3766**	**4.1732**	**3.1022**	**4.7500e-003**	**1.3084**	**0.1929**	**1.5012**	**0.6666**	**0.1775**	**0.8441**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	4.2800e-003	7.4400e-003	0.0702	2 2000e-004	0.0190	1.2000e-004	0.0192	5.0600e-003	1.1000e-004	5.1700e-003						
Total	**4.2800e-003**	**7.4400e-003**	**0.0702**	**2.2000e-004**	**0.0190**	**1.2000e-004**	**0.0192**	**5.0600e-003**	**1.1000e-004**	**5.1700e-003**						

3.3 Grading - 2019

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					1.3084	0.0000	1.3084	0.6666	0.0000	0.6666						
Off-Road	0.3766	4.1732	3.1022	4.7500e-003		0.1929	0.1929		0.1775	0.1775						
Total	**0.3766**	**4.1732**	**3.1022**	**4.7500e-003**	**1.3084**	**0.1929**	**1.5012**	**0.6666**	**0.1775**	**0.8441**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	4.2800e-003	7.4400e-003	0.0702	2 2000e-004	0.0190	1.2000e-004	0.0192	5.0600e-003	1.1000e-004	5.1700e-003						
Total	**4.2800e-003**	**7.4400e-003**	**0.0702**	**2.2000e-004**	**0.0190**	**1.2000e-004**	**0.0192**	**5.0600e-003**	**1.1000e-004**	**5.1700e-003**						

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0763	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398						
Paving	0.0405					0.0000	0.0000		0.0000	0.0000						
Total	**0.1168**	**0.7990**	**0.7685**	**1.1900e-003**		**0.0433**	**0.0433**		**0.0398**	**0.0398**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	2.2300e-003	3.8800e-003	0.0366	1 2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003						
Total	**2.2300e-003**	**3.8800e-003**	**0.0366**	**1.2000e-004**	**9.9200e-003**	**6.0000e-005**	**9.9800e-003**	**2.6400e-003**	**6.0000e-005**	**2.7000e-003**						

3.4 Paving - 2019

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	0.0763	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398						
Paving	0.0405					0.0000	0.0000		0.0000	0.0000						
Total	**0.1168**	**0.7990**	**0.7685**	**1.1900e-003**		**0.0433**	**0.0433**		**0.0398**	**0.0398**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	2.2300e-003	3.8800e-003	0.0366	1 2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003						
Total	**2.2300e-003**	**3.8800e-003**	**0.0366**	**1.2000e-004**	**9.9200e-003**	**6.0000e-005**	**9.9800e-003**	**2.6400e-003**	**6.0000e-005**	**2.7000e-003**						

3.4 Paving - 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	0.1151	1.1924	1.2415	1 9300e-003		0.0639	0.0639		0.0588	0.0588						
Paving	0.0655					0.0000	0.0000		0.0000	0.0000						
Total	**0.1805**	**1.1924**	**1.2415**	**1.9300e-003**		**0.0639**	**0.0639**		**0.0588**	**0.0588**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	3.3300e-003	5.7700e-003	0.0544	1 9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003						
Total	**3.3300e-003**	**5.7700e-003**	**0.0544**	**1.9000e-004**	**0.0160**	**1.0000e-004**	**0.0161**	**4.2600e-003**	**9.0000e-005**	**4.3600e-003**						

3.4 Paving - 2020

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	0.1151	1.1924	1.2415	1 9300e-003		0.0639	0.0639		0.0588	0.0588						
Paving	0.0655					0.0000	0.0000		0.0000	0.0000						
Total	**0.1805**	**1.1924**	**1.2415**	**1.9300e-003**		**0.0639**	**0.0639**		**0.0588**	**0.0588**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	3.3300e-003	5.7700e-003	0.0544	1 9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003						
Total	**3.3300e-003**	**5.7700e-003**	**0.0544**	**1.9000e-004**	**0.0160**	**1.0000e-004**	**0.0161**	**4.2600e-003**	**9.0000e-005**	**4.3600e-003**						

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	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466						
Total	**0.0940**	**0.8492**	**0.7480**	**1.1900e-003**		**0.0495**	**0.0495**		**0.0466**	**0.0466**						

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						
Vendor	0.3859	2.4699	5.5536	9.7300e-003	0.2643	0.0414	0.3058	0.0760	0.0381	0.1141						
Worker	0.2754	0.4782	4.5018	0.0155	1.3285	8.4300e-003	1.3370	0.3532	7.8100e-003	0.3610						
Total	**0.6613**	**2.9481**	**10.0554**	**0.0252**	**1.5929**	**0.0499**	**1.6427**	**0.4292**	**0.0459**	**0.4751**						

3.5 Building Construction - 2020

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	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466						
Total	**0.0940**	**0.8492**	**0.7480**	**1.1900e-003**		**0.0495**	**0.0495**		**0.0466**	**0.0466**						

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						
Vendor	0.3859	2.4699	5.5536	9.7300e-003	0.2643	0.0414	0.3058	0.0760	0.0381	0.1141						
Worker	0.2754	0.4782	4.5018	0.0155	1.3285	8.4300e-003	1.3370	0.3532	7.8100e-003	0.3610						
Total	**0.6613**	**2.9481**	**10.0554**	**0.0252**	**1.5929**	**0.0499**	**1.6427**	**0.4292**	**0.0459**	**0.4751**						

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	0.2471	2.2629	2.1582	3 5000e-003		0.1246	0.1246		0.1172	0.1172						
Total	**0.2471**	**2.2629**	**2.1582**	**3.5000e-003**		**0.1246**	**0.1246**		**0.1172**	**0.1172**						

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						
Vendor	1.0091	6.0067	15.1567	0.0285	0.7753	0.1089	0.8842	0.2230	0.1002	0.3232						
Worker	0.7617	1.3093	12.3527	0.0454	3.8961	0.0247	3.9208	1.0358	0.0229	1.0587						
Total	**1.7709**	**7.3160**	**27.5094**	**0.0739**	**4.6714**	**0.1336**	**4.8050**	**1.2587**	**0.1231**	**1.3818**						

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3 5000e-003		0.1246	0.1246		0.1172	0.1172						
Total	**0.2471**	**2.2629**	**2.1582**	**3.5000e-003**		**0.1246**	**0.1246**		**0.1172**	**0.1172**						

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						
Vendor	1.0091	6.0067	15.1567	0.0285	0.7753	0.1089	0.8842	0.2230	0.1002	0.3232						
Worker	0.7617	1.3093	12.3527	0.0454	3.8961	0.0247	3.9208	1.0358	0.0229	1.0587						
Total	**1.7709**	**7.3160**	**27.5094**	**0.0739**	**4.6714**	**0.1336**	**4.8050**	**1.2587**	**0.1231**	**1.3818**						

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986						
Total	**0.2209**	**2.0197**	**2.1226**	**3.4900e-003**		**0.1047**	**0.1047**		**0.0986**	**0.0986**						

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						
Vendor	0.9502	5.3224	14.2569	0.0283	0.7725	0.1063	0.8788	0.2222	0.0978	0.3200						
Worker	0.7186	1.2245	11.5616	0.0453	3.8811	0.0247	3.9058	1.0318	0.0229	1.0547						
Total	**1.6688**	**6.5469**	**25.8185**	**0.0736**	**4.6536**	**0.1310**	**4.7846**	**1.2539**	**0.1207**	**1.3746**						

3.5 Building Construction - 2022

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	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986						
Total	**0.2209**	**2.0197**	**2.1226**	**3.4900e-003**		**0.1047**	**0.1047**		**0.0986**	**0.0986**						

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						
Vendor	0.9502	5.3224	14.2569	0.0283	0.7725	0.1063	0.8788	0.2222	0.0978	0.3200						
Worker	0.7186	1.2245	11.5616	0.0453	3.8811	0.0247	3.9058	1.0318	0.0229	1.0547						
Total	**1.6688**	**6.5469**	**25.8185**	**0.0736**	**4.6536**	**0.1310**	**4.7846**	**1.2539**	**0.1207**	**1.3746**						

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852						
Total	**0.2036**	**1.8606**	**2.1072**	**3.4900e-003**		**0.0906**	**0.0906**		**0.0852**	**0.0852**						

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						
Vendor	0.8290	4.7591	12.7060	0.0283	0.7725	0.0996	0.8721	0.2222	0.0916	0.3138						
Worker	0.6812	1.1538	10.8795	0.0453	3.8811	0.0247	3.9058	1.0318	0.0229	1.0547						
Total	**1.5102**	**5.9128**	**23.5855**	**0.0735**	**4.6537**	**0.1243**	**4.7779**	**1.2540**	**0.1145**	**1.3685**						

3.5 Building Construction - 2023

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	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852						
Total	**0.2036**	**1.8606**	**2.1072**	**3.4900e-003**		**0.0906**	**0.0906**		**0.0852**	**0.0852**						

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						
Vendor	0.8290	4.7591	12.7060	0.0283	0.7725	0.0996	0.8721	0.2222	0.0916	0.3138						
Worker	0.6812	1.1538	10.8795	0.0453	3.8811	0.0247	3.9058	1.0318	0.0229	1.0547						
Total	**1.5102**	**5.9128**	**23.5855**	**0.0735**	**4.6537**	**0.1243**	**4.7779**	**1.2540**	**0.1145**	**1.3685**						

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7524	2.1135	3 5200e-003		0.0800	0.0800		0.0752	0.0752						
Total	**0.1920**	**1.7524**	**2.1135**	**3.5200e-003**		**0.0800**	**0.0800**		**0.0752**	**0.0752**						

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						
Vendor	0.8197	4.7411	12.5532	0.0285	0.7787	0.1007	0.8793	0.2240	0.0926	0.3166						
Worker	0.6540	1.1024	10.4163	0.0456	3.9110	0.0250	3.9360	1.0397	0.0232	1.0629						
Total	**1.4737**	**5.8435**	**22.9695**	**0.0741**	**4.6896**	**0.1257**	**4.8153**	**1.2637**	**0.1158**	**1.3795**						

3.5 Building Construction - 2024

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	0.1920	1.7524	2.1135	3 5200e-003		0.0800	0.0800		0.0752	0.0752						
Total	**0.1920**	**1.7524**	**2.1135**	**3.5200e-003**		**0.0800**	**0.0800**		**0.0752**	**0.0752**						

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						
Vendor	0.8197	4.7411	12.5532	0.0285	0.7787	0.1007	0.8793	0.2240	0.0926	0.3166						
Worker	0.6540	1.1024	10.4163	0.0456	3.9110	0.0250	3.9360	1.0397	0.0232	1.0629						
Total	**1.4737**	**5.8435**	**22.9695**	**0.0741**	**4.6896**	**0.1257**	**4.8153**	**1.2637**	**0.1158**	**1.3795**						

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**						

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						
Vendor	0.7898	4.6705	12.0268	0.0284	0.7758	0.1005	0.8763	0.2232	0.0925	0.3156						
Worker	0.6242	1.0474	9.9244	0.0454	3.8961	0.0251	3.9211	1.0358	0.0232	1.0590						
Total	**1.4140**	**5.7180**	**21.9511**	**0.0738**	**4.6719**	**0.1255**	**4.7974**	**1.2589**	**0.1157**	**1.3746**						

3.5 Building Construction - 2025

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**						

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						
Vendor	0.7898	4.6705	12.0268	0.0284	0.7758	0.1005	0.8763	0.2232	0.0925	0.3156						
Worker	0.6242	1.0474	9.9244	0.0454	3.8961	0.0251	3.9211	1.0358	0.0232	1.0590						
Total	**1.4140**	**5.7180**	**21.9511**	**0.0738**	**4.6719**	**0.1255**	**4.7974**	**1.2589**	**0.1157**	**1.3746**						

3.5 Building Construction - 2026

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**						

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						
Vendor	0.7816	4.6170	11.8800	0.0284	0.7759	0.1004	0.8763	0.2232	0.0924	0.3156						
Worker	0.6002	1.0047	9.5477	0.0454	3.8961	0.0253	3.9213	1.0358	0.0235	1.0592						
Total	**1.3818**	**5.6217**	**21.4277**	**0.0738**	**4.6720**	**0.1257**	**4.7977**	**1.2590**	**0.1158**	**1.3748**						

3.5 Building Construction - 2026

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**						

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						
Vendor	0.7816	4.6170	11.8800	0.0284	0.7759	0.1004	0.8763	0.2232	0.0924	0.3156						
Worker	0.6002	1.0047	9.5477	0.0454	3.8961	0.0253	3.9213	1.0358	0.0235	1.0592						
Total	**1.3818**	**5.6217**	**21.4277**	**0.0738**	**4.6720**	**0.1257**	**4.7977**	**1.2590**	**0.1158**	**1.3748**						

3.5 Building Construction - 2027

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**						

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						
Vendor	0.7841	4.5804	11.8283	0.0284	0.7760	0.1005	0.8765	0.2233	0.0925	0.3157						
Worker	0.5776	0.9665	9.2133	0.0454	3.8961	0.0255	3.9215	1.0358	0.0236	1.0594						
Total	**1.3617**	**5.5469**	**21.0416**	**0.0738**	**4.6721**	**0.1260**	**4.7980**	**1.2590**	**0.1161**	**1.3751**						

3.5 Building Construction - 2027

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**						

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						
Vendor	0.7841	4.5804	11.8283	0.0284	0.7760	0.1005	0.8765	0.2233	0.0925	0.3157						
Worker	0.5776	0.9665	9.2133	0.0454	3.8961	0.0255	3.9215	1.0358	0.0236	1.0594						
Total	**1.3617**	**5.5469**	**21.0416**	**0.0738**	**4.6721**	**0.1260**	**4.7980**	**1.2590**	**0.1161**	**1.3751**						

3.5 Building Construction - 2028

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	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642						
Total	**0.1770**	**1.6133**	**2.0867**	**3.4900e-003**		**0.0683**	**0.0683**		**0.0642**	**0.0642**						

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						
Vendor	0.7798	4.5283	11.7127	0.0283	0.7731	0.1001	0.8732	0.2224	0.0921	0.3145						
Worker	0.5545	0.9278	8.8834	0.0453	3.8811	0.0255	3.9067	1.0318	0.0237	1.0555						
Total	**1.3343**	**5.4561**	**20.5960**	**0.0735**	**4.6543**	**0.1256**	**4.7799**	**1.2542**	**0.1158**	**1.3700**						

3.5 Building Construction - 2028

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	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642						
Total	**0.1770**	**1.6133**	**2.0867**	**3.4900e-003**		**0.0683**	**0.0683**		**0.0642**	**0.0642**						

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						
Vendor	0.7798	4.5283	11.7127	0.0283	0.7731	0.1001	0.8732	0.2224	0.0921	0.3145						
Worker	0.5545	0.9278	8.8834	0.0453	3.8811	0.0255	3.9067	1.0318	0.0237	1.0555						
Total	**1.3343**	**5.4561**	**20.5960**	**0.0735**	**4.6543**	**0.1256**	**4.7799**	**1.2542**	**0.1158**	**1.3700**						

3.5 Building Construction - 2029

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**						

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						
Vendor	0.7825	4.5178	11.7129	0.0284	0.7762	0.1005	0.8767	0.2233	0.0924	0.3158						
Worker	0.5359	0.8975	8.6316	0.0454	3.8961	0.0257	3.9218	1.0358	0.0239	1.0596						
Total	**1.3184**	**5.4152**	**20.3445**	**0.0738**	**4.6722**	**0.1262**	**4.7985**	**1.2591**	**0.1163**	**1.3754**						

3.5 Building Construction - 2029

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	0.1777	1.6195	2.0948	3 5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	**0.1777**	**1.6195**	**2.0948**	**3.5000e-003**		**0.0685**	**0.0685**		**0.0645**	**0.0645**						

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						
Vendor	0.7825	4.5178	11.7129	0.0284	0.7762	0.1005	0.8767	0.2233	0.0924	0.3158						
Worker	0.5359	0.8975	8.6316	0.0454	3.8961	0.0257	3.9218	1.0358	0.0239	1.0596						
Total	**1.3184**	**5.4152**	**20.3445**	**0.0738**	**4.6722**	**0.1262**	**4.7985**	**1.2591**	**0.1163**	**1.3754**						

3.5 Building Construction - 2030

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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						
Total	**0.1702**	**1.0333**	**2.1051**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**						

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						
Vendor	0.7700	4.4840	11.5831	0.0284	0.7762	0.1004	0.8767	0.2233	0.0924	0.3157						
Worker	0.5171	0.8678	8.3958	0.0454	3.8961	0.0258	3.9219	1.0358	0.0240	1.0597						
Total	**1.2871**	**5.3518**	**19.9789**	**0.0738**	**4.6723**	**0.1263**	**4.7986**	**1.2591**	**0.1164**	**1.3755**						

3.5 Building Construction - 2030

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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						
Total	**0.1702**	**1.0333**	**2.1051**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**						

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						
Vendor	0.7700	4.4840	11.5831	0.0284	0.7762	0.1004	0.8767	0.2233	0.0924	0.3157						
Worker	0.5171	0.8678	8.3958	0.0454	3.8961	0.0258	3.9219	1.0358	0.0240	1.0597						
Total	**1.2871**	**5.3518**	**19.9789**	**0.0738**	**4.6723**	**0.1263**	**4.7986**	**1.2591**	**0.1164**	**1.3755**						

3.5 Building Construction - 2031

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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						
Total	**0.1702**	**1.0333**	**2.1051**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**						

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						
Vendor	0.7749	4.4640	11.5847	0.0284	0.7763	0.1005	0.8768	0.2234	0.0924	0.3158						
Worker	0.4992	0.8394	8.1767	0.0454	3.8961	0.0259	3.9219	1.0358	0.0240	1.0598						
Total	**1.2741**	**5.3034**	**19.7615**	**0.0738**	**4.6724**	**0.1263**	**4.7987**	**1.2591**	**0.1164**	**1.3756**						

3.5 Building Construction - 2031

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	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						
Total	**0.1702**	**1.0333**	**2.1051**	**4.0200e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**						

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						
Vendor	0.7749	4.4640	11.5847	0.0284	0.7763	0.1005	0.8768	0.2234	0.0924	0.3158						
Worker	0.4992	0.8394	8.1767	0.0454	3.8961	0.0259	3.9219	1.0358	0.0240	1.0598						
Total	**1.2741**	**5.3034**	**19.7615**	**0.0738**	**4.6724**	**0.1263**	**4.7987**	**1.2591**	**0.1164**	**1.3756**						

3.5 Building Construction - 2032

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	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193						
Total	**0.1708**	**1.0372**	**2.1132**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**						

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						
Vendor	0.7822	4.4646	11.6279	0.0285	0.7794	0.1009	0.8803	0.2243	0.0928	0.3171						
Worker	0.4846	0.8176	8.0184	0.0456	3.9110	0.0260	3.9370	1.0397	0.0241	1.0638						
Total	**1.2668**	**5.2822**	**19.6463**	**0.0741**	**4.6904**	**0.1269**	**4.8173**	**1.2640**	**0.1169**	**1.3809**						

3.5 Building Construction - 2032

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	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193						
Total	**0.1708**	**1.0372**	**2.1132**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**						

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						
Vendor	0.7822	4.4646	11.6279	0.0285	0.7794	0.1009	0.8803	0.2243	0.0928	0.3171						
Worker	0.4846	0.8176	8.0184	0.0456	3.9110	0.0260	3.9370	1.0397	0.0241	1.0638						
Total	**1.2668**	**5.2822**	**19.6463**	**0.0741**	**4.6904**	**0.1269**	**4.8173**	**1.2640**	**0.1169**	**1.3809**						

3.5 Building Construction - 2033

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	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						
Total	**0.1695**	**1.0293**	**2.0971**	**4.0100e-003**		**0.0192**	**0.0192**		**0.0192**	**0.0192**						

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						
Vendor	0.7766	4.4119	11.5221	0.0283	0.7735	0.1001	0.8737	0.2226	0.0921	0.3147						
Worker	0.4661	0.7910	7.8046	0.0453	3.8811	0.0258	3.9069	1.0318	0.0239	1.0557						
Total	**1.2426**	**5.2028**	**19.3266**	**0.0736**	**4.6547**	**0.1259**	**4.7806**	**1.2544**	**0.1160**	**1.3704**						

3.5 Building Construction - 2033

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	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						
Total	**0.1695**	**1.0293**	**2.0971**	**4.0100e-003**		**0.0192**	**0.0192**		**0.0192**	**0.0192**						

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						
Vendor	0.7766	4.4119	11.5221	0.0283	0.7735	0.1001	0.8737	0.2226	0.0921	0.3147						
Worker	0.4661	0.7910	7.8046	0.0453	3.8811	0.0258	3.9069	1.0318	0.0239	1.0557						
Total	**1.2426**	**5.2028**	**19.3266**	**0.0736**	**4.6547**	**0.1259**	**4.7806**	**1.2544**	**0.1160**	**1.3704**						

3.5 Building Construction - 2034

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	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						
Total	**0.1695**	**1.0293**	**2.0971**	**4.0100e-003**		**0.0192**	**0.0192**		**0.0192**	**0.0192**						

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						
Vendor	0.7760	4.3964	11.5142	0.0283	0.7736	0.1001	0.8737	0.2226	0.0921	0.3147						
Worker	0.4511	0.7738	7.6580	0.0453	3.8811	0.0258	3.9069	1.0318	0.0239	1.0557						
Total	**1.2271**	**5.1703**	**19.1721**	**0.0736**	**4.6548**	**0.1259**	**4.7806**	**1.2544**	**0.1160**	**1.3704**						

3.5 Building Construction - 2034

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	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						
Total	**0.1695**	**1.0293**	**2.0971**	**4.0100e-003**		**0.0192**	**0.0192**		**0.0192**	**0.0192**						

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						
Vendor	0.7760	4.3964	11.5142	0.0283	0.7736	0.1001	0.8737	0.2226	0.0921	0.3147						
Worker	0.4511	0.7738	7.6580	0.0453	3.8811	0.0258	3.9069	1.0318	0.0239	1.0557						
Total	**1.2271**	**5.1703**	**19.1721**	**0.0736**	**4.6548**	**0.1259**	**4.7806**	**1.2544**	**0.1160**	**1.3704**						

3.5 Building Construction - 2035

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	0.0727	0.4291	0.9655	1 8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003						
Total	**0.0727**	**0.4291**	**0.9655**	**1.8500e-003**		**5.4000e-003**	**5.4000e-003**		**5.4000e-003**	**5.4000e-003**						

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						
Vendor	0.3562	2.0225	5.3086	0.0131	0.3571	0.0462	0.4033	0.1028	0.0425	0.1452						
Worker	0.2021	0.3510	3.4757	0.0209	1.7913	0.0119	1.8032	0.4762	0.0110	0.4872						
Total	**0.5583**	**2.3735**	**8.7843**	**0.0340**	**2.1484**	**0.0581**	**2.2064**	**0.5790**	**0.0535**	**0.6325**						

3.5 Building Construction - 2035

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	0.0727	0.4291	0.9655	1 8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003						
Total	**0.0727**	**0.4291**	**0.9655**	**1.8500e-003**		**5.4000e-003**	**5.4000e-003**		**5.4000e-003**	**5.4000e-003**						

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						
Vendor	0.3562	2.0225	5.3086	0.0131	0.3571	0.0462	0.4033	0.1028	0.0425	0.1452						
Worker	0.2021	0.3510	3.4757	0.0209	1.7913	0.0119	1.8032	0.4762	0.0110	0.4872						
Total	**0.5583**	**2.3735**	**8.7843**	**0.0340**	**2.1484**	**0.0581**	**2.2064**	**0.5790**	**0.0535**	**0.6325**						

3.6 Architectural Coating - 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					
Archit. Coating	0.4140					0.0000	0.0000		0.0000	0.0000						
Off-Road	9.5700e-003	0.0665	0.0723	1 2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003						
Total	**0.4235**	**0.0665**	**0.0723**	**1.2000e-004**		**4.3800e-003**	**4.3800e-003**		**4.3800e-003**	**4.3800e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0489	0.0849	0.7992	2.7500e-003	0.2359	1.5000e-003	0.2374	0.0627	1.3900e-003	0.0641						
Total	**0.0489**	**0.0849**	**0.7992**	**2.7500e-003**	**0.2359**	**1.5000e-003**	**0.2374**	**0.0627**	**1.3900e-003**	**0.0641**						

3.6 Architectural Coating - 2020

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	0.4140					0.0000	0.0000		0.0000	0.0000						
Off-Road	9.5700e-003	0.0665	0.0723	1 2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003						
Total	**0.4235**	**0.0665**	**0.0723**	**1.2000e-004**		**4.3800e-003**	**4.3800e-003**		**4.3800e-003**	**4.3800e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0489	0.0849	0.7992	2.7500e-003	0.2359	1.5000e-003	0.2374	0.0627	1.3900e-003	0.0641						
Total	**0.0489**	**0.0849**	**0.7992**	**2.7500e-003**	**0.2359**	**1.5000e-003**	**0.2374**	**0.0627**	**1.3900e-003**	**0.0641**						

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	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0286	0.1993	0.2372	3 9000e-004		0.0123	0.0123		0.0123	0.0123						
Total	**1.3962**	**0.1993**	**0.2372**	**3.9000e-004**		**0.0123**	**0.0123**		**0.0123**	**0.0123**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1524	0.2619	2.4705	9.0900e-003	0.7792	4.9400e-003	0.7842	0.2072	4.5800e-003	0.2117						
Total	**0.1524**	**0.2619**	**2.4705**	**9.0900e-003**	**0.7792**	**4.9400e-003**	**0.7842**	**0.2072**	**4.5800e-003**	**0.2117**						

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0286	0.1993	0.2372	3 9000e-004		0.0123	0.0123		0.0123	0.0123						
Total	**1.3962**	**0.1993**	**0.2372**	**3.9000e-004**		**0.0123**	**0.0123**		**0.0123**	**0.0123**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1524	0.2619	2.4705	9.0900e-003	0.7792	4.9400e-003	0.7842	0.2072	4.5800e-003	0.2117						
Total	**0.1524**	**0.2619**	**2.4705**	**9.0900e-003**	**0.7792**	**4.9400e-003**	**0.7842**	**0.2072**	**4.5800e-003**	**0.2117**						

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3624					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0266	0.1831	0.2358	3 9000e-004		0.0106	0.0106		0.0106	0.0106						
Total	**1.3890**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1437	0.2449	2.3123	9.0500e-003	0.7762	4.9300e-003	0.7812	0.2064	4.5700e-003	0.2109						
Total	**0.1437**	**0.2449**	**2.3123**	**9.0500e-003**	**0.7762**	**4.9300e-003**	**0.7812**	**0.2064**	**4.5700e-003**	**0.2109**						

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3624					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0266	0.1831	0.2358	3 9000e-004		0.0106	0.0106		0.0106	0.0106						
Total	**1.3890**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1437	0.2449	2.3123	9.0500e-003	0.7762	4.9300e-003	0.7812	0.2064	4.5700e-003	0.2109						
Total	**0.1437**	**0.2449**	**2.3123**	**9.0500e-003**	**0.7762**	**4.9300e-003**	**0.7812**	**0.2064**	**4.5700e-003**	**0.2109**						

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3624					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0249	0.1694	0.2355	3 9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003						
Total	**1.3873**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1362	0.2308	2.1759	9.0500e-003	0.7762	4.9400e-003	0.7812	0.2064	4.5800e-003	0.2109						
Total	**0.1362**	**0.2308**	**2.1759**	**9.0500e-003**	**0.7762**	**4.9400e-003**	**0.7812**	**0.2064**	**4.5800e-003**	**0.2109**						

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3624					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0249	0.1694	0.2354	3 9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003						
Total	**1.3873**	**0.1694**	**0.2354**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1362	0.2308	2.1759	9.0500e-003	0.7762	4.9400e-003	0.7812	0.2064	4.5800e-003	0.2109						
Total	**0.1362**	**0.2308**	**2.1759**	**9.0500e-003**	**0.7762**	**4.9400e-003**	**0.7812**	**0.2064**	**4.5800e-003**	**0.2109**						

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3729					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0237	0.1597	0.2371	3 9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003						
Total	**1.3966**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1308	0.2205	2.0833	9.1200e-003	0.7822	5.0000e-003	0.7872	0.2079	4.6400e-003	0.2126						
Total	**0.1308**	**0.2205**	**2.0833**	**9.1200e-003**	**0.7822**	**5.0000e-003**	**0.7872**	**0.2079**	**4.6400e-003**	**0.2126**						

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3729					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0237	0.1597	0.2371	3 9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003						
Total	**1.3966**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1308	0.2205	2.0833	9.1200e-003	0.7822	5.0000e-003	0.7872	0.2079	4.6400e-003	0.2126						
Total	**0.1308**	**0.2205**	**2.0833**	**9.1200e-003**	**0.7822**	**5.0000e-003**	**0.7872**	**0.2079**	**4.6400e-003**	**0.2126**						

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	**1.3900**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1249	0.2095	1.9849	9.0800e-003	0.7792	5.0100e-003	0.7842	0.2072	4.6500e-003	0.2118						
Total	**0.1249**	**0.2095**	**1.9849**	**9.0800e-003**	**0.7792**	**5.0100e-003**	**0.7842**	**0.2072**	**4.6500e-003**	**0.2118**						

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	**1.3900**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1249	0.2095	1.9849	9.0800e-003	0.7792	5.0100e-003	0.7842	0.2072	4.6500e-003	0.2118						
Total	**0.1249**	**0.2095**	**1.9849**	**9.0800e-003**	**0.7792**	**5.0100e-003**	**0.7842**	**0.2072**	**4.6500e-003**	**0.2118**						

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	**1.3900**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1200	0.2009	1.9096	9.0800e-003	0.7792	5.0500e-003	0.7843	0.2072	4.6900e-003	0.2118						
Total	**0.1200**	**0.2009**	**1.9096**	**9.0800e-003**	**0.7792**	**5.0500e-003**	**0.7843**	**0.2072**	**4.6900e-003**	**0.2118**						

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	**1.3900**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1200	0.2009	1.9096	9.0800e-003	0.7792	5.0500e-003	0.7843	0.2072	4.6900e-003	0.2118						
Total	**0.1200**	**0.2009**	**1.9096**	**9.0800e-003**	**0.7792**	**5.0500e-003**	**0.7843**	**0.2072**	**4.6900e-003**	**0.2118**						

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	**1.3900**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1155	0.1933	1.8427	9.0800e-003	0.7792	5.0900e-003	0.7843	0.2072	4.7200e-003	0.2119						
Total	**0.1155**	**0.1933**	**1.8427**	**9.0800e-003**	**0.7792**	**5.0900e-003**	**0.7843**	**0.2072**	**4.7200e-003**	**0.2119**						

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	**1.3900**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1155	0.1933	1.8427	9.0800e-003	0.7792	5.0900e-003	0.7843	0.2072	4.7200e-003	0.2119						
Total	**0.1155**	**0.1933**	**1.8427**	**9.0800e-003**	**0.7792**	**5.0900e-003**	**0.7843**	**0.2072**	**4.7200e-003**	**0.2119**						

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3624					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0222	0.1489	0.2352	3 9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003						
Total	**1.3846**	**0.1489**	**0.2352**	**3.9000e-004**		**6.7000e-003**	**6.7000e-003**		**6.7000e-003**	**6.7000e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1109	0.1856	1.7767	9.0500e-003	0.7762	5.1000e-003	0.7813	0.2064	4.7300e-003	0.2111						
Total	**0.1109**	**0.1856**	**1.7767**	**9.0500e-003**	**0.7762**	**5.1000e-003**	**0.7813**	**0.2064**	**4.7300e-003**	**0.2111**						

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3624					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0222	0.1489	0.2352	3 9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003						
Total	**1.3846**	**0.1489**	**0.2352**	**3.9000e-004**		**6.7000e-003**	**6.7000e-003**		**6.7000e-003**	**6.7000e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1109	0.1856	1.7767	9.0500e-003	0.7762	5.1000e-003	0.7813	0.2064	4.7300e-003	0.2111						
Total	**0.1109**	**0.1856**	**1.7767**	**9.0500e-003**	**0.7762**	**5.1000e-003**	**0.7813**	**0.2064**	**4.7300e-003**	**0.2111**						

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	**1.3900**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1072	0.1795	1.7263	9.0800e-003	0.7792	5.1500e-003	0.7844	0.2072	4.7700e-003	0.2119						
Total	**0.1072**	**0.1795**	**1.7263**	**9.0800e-003**	**0.7792**	**5.1500e-003**	**0.7844**	**0.2072**	**4.7700e-003**	**0.2119**						

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3 9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	**1.3900**	**0.1495**	**0.2361**	**3.9000e-004**		**6.7200e-003**	**6.7200e-003**		**6.7200e-003**	**6.7200e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1072	0.1795	1.7263	9.0800e-003	0.7792	5.1500e-003	0.7844	0.2072	4.7700e-003	0.2119						
Total	**0.1072**	**0.1795**	**1.7263**	**9.0800e-003**	**0.7792**	**5.1500e-003**	**0.7844**	**0.2072**	**4.7700e-003**	**0.2119**						

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1117	0.2346	3 9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						
Total	**1.3847**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1034	0.1736	1.6792	9.0800e-003	0.7792	5.1600e-003	0.7844	0.2072	4.7900e-003	0.2119						
Total	**0.1034**	**0.1736**	**1.6792**	**9.0800e-003**	**0.7792**	**5.1600e-003**	**0.7844**	**0.2072**	**4.7900e-003**	**0.2119**						

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1117	0.2346	3 9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						
Total	**1.3847**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1034	0.1736	1.6792	9.0800e-003	0.7792	5.1600e-003	0.7844	0.2072	4.7900e-003	0.2119						
Total	**0.1034**	**0.1736**	**1.6792**	**9.0800e-003**	**0.7792**	**5.1600e-003**	**0.7844**	**0.2072**	**4.7900e-003**	**0.2119**						

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1117	0.2346	3 9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						
Total	**1.3847**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0998	0.1679	1.6353	9.0800e-003	0.7792	5.1700e-003	0.7844	0.2072	4.8000e-003	0.2120						
Total	**0.0998**	**0.1679**	**1.6353**	**9.0800e-003**	**0.7792**	**5.1700e-003**	**0.7844**	**0.2072**	**4.8000e-003**	**0.2120**						

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3677					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1117	0.2346	3 9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						
Total	**1.3847**	**0.1117**	**0.2346**	**3.9000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0998	0.1679	1.6353	9.0800e-003	0.7792	5.1700e-003	0.7844	0.2072	4.8000e-003	0.2120						
Total	**0.0998**	**0.1679**	**1.6353**	**9.0800e-003**	**0.7792**	**5.1700e-003**	**0.7844**	**0.2072**	**4.8000e-003**	**0.2120**						

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3729					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1122	0.2355	3 9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003						
Total	**1.3900**	**0.1122**	**0.2355**	**3.9000e-004**		**2.6600e-003**	**2.6600e-003**		**2.6600e-003**	**2.6600e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0969	0.1635	1.6037	9.1200e-003	0.7822	5.2000e-003	0.7874	0.2079	4.8200e-003	0.2128						
Total	**0.0969**	**0.1635**	**1.6037**	**9.1200e-003**	**0.7822**	**5.2000e-003**	**0.7874**	**0.2079**	**4.8200e-003**	**0.2128**						

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3729					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1122	0.2355	3 9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003						
Total	**1.3900**	**0.1122**	**0.2355**	**3.9000e-004**		**2.6600e-003**	**2.6600e-003**		**2.6600e-003**	**2.6600e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0969	0.1635	1.6037	9.1200e-003	0.7822	5.2000e-003	0.7874	0.2079	4.8200e-003	0.2128						
Total	**0.0969**	**0.1635**	**1.6037**	**9.1200e-003**	**0.7822**	**5.2000e-003**	**0.7874**	**0.2079**	**4.8200e-003**	**0.2128**						

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3624					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0170	0.1113	0.2337	3 9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						
Total	**1.3794**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0932	0.1582	1.5609	9.0500e-003	0.7762	5.1600e-003	0.7814	0.2064	4.7900e-003	0.2111						
Total	**0.0932**	**0.1582**	**1.5609**	**9.0500e-003**	**0.7762**	**5.1600e-003**	**0.7814**	**0.2064**	**4.7900e-003**	**0.2111**						

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3624					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0170	0.1113	0.2337	3 9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						
Total	**1.3794**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0932	0.1582	1.5609	9.0500e-003	0.7762	5.1600e-003	0.7814	0.2064	4.7900e-003	0.2111						
Total	**0.0932**	**0.1582**	**1.5609**	**9.0500e-003**	**0.7762**	**5.1600e-003**	**0.7814**	**0.2064**	**4.7900e-003**	**0.2111**						

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3624					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0170	0.1113	0.2337	3 9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						
Total	**1.3794**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0902	0.1548	1.5316	9.0500e-003	0.7762	5.1600e-003	0.7814	0.2064	4.7800e-003	0.2111						
Total	**0.0902**	**0.1548**	**1.5316**	**9.0500e-003**	**0.7762**	**5.1600e-003**	**0.7814**	**0.2064**	**4.7800e-003**	**0.2111**						

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3624					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0170	0.1113	0.2337	3 9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						
Total	**1.3794**	**0.1113**	**0.2337**	**3.9000e-004**		**2.6400e-003**	**2.6400e-003**		**2.6400e-003**	**2.6400e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0902	0.1548	1.5316	9.0500e-003	0.7762	5.1600e-003	0.7814	0.2064	4.7800e-003	0.2111						
Total	**0.0902**	**0.1548**	**1.5316**	**9.0500e-003**	**0.7762**	**5.1600e-003**	**0.7814**	**0.2064**	**4.7800e-003**	**0.2111**						

3.6 Architectural Coating - 2035

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	0.6812					0.0000	0.0000		0.0000	0.0000						
Off-Road	7.6600e-003	0.0493	0.1166	1 9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004						
Total	**0.6889**	**0.0493**	**0.1166**	**1.9000e-004**		**6.4000e-004**	**6.4000e-004**		**6.4000e-004**	**6.4000e-004**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0438	0.0760	0.7531	4 5200e-003	0.3881	2.5700e-003	0.3907	0.1032	2.3900e-003	0.1056						
Total	**0.0438**	**0.0760**	**0.7531**	**4.5200e-003**	**0.3881**	**2.5700e-003**	**0.3907**	**0.1032**	**2.3900e-003**	**0.1056**						

3.6 Architectural Coating - 2035

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	0.6812					0.0000	0.0000		0.0000	0.0000						
Off-Road	7.6600e-003	0.0493	0.1166	1 9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004						
Total	**0.6889**	**0.0493**	**0.1166**	**1.9000e-004**		**6.4000e-004**	**6.4000e-004**		**6.4000e-004**	**6.4000e-004**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0438	0.0760	0.7531	4 5200e-003	0.3881	2.5700e-003	0.3907	0.1032	2.3900e-003	0.1056						
Total	**0.0438**	**0.0760**	**0.7531**	**4.5200e-003**	**0.3881**	**2.5700e-003**	**0.3907**	**0.1032**	**2.3900e-003**	**0.1056**						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.3183	16 9706	75.8559	0.2902	18.9049	0.4051	19.3100	5.0866	0.3737	5.4603						
Unmitigated	7.3183	16 9706	75.8559	0.2902	18.9049	0.4051	19.3100	5.0866	0.3737	5.4603						

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,367,519	2,367,519
Manufacturing	3,376.88	1,317.16	548.08	10,348,371	10,348,371
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	7,508,999	7,508,999
Regional Shopping Center	1,080.37	1,257.25	635.04	1,889,264	1,889,264
Research & Development	12,246.10	2,869.00	1676.10	27,207,358	27,207,358
Research & Development	372.25	87.21	50.95	827,032	827,032
User Defined Recreational	0.00	0.00	0.00		
Total	22,595.10	11,756.12	6,326.67	50,148,542	50,148,542

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	14.70	6.60	6.60	19.40	61.60	19.00	58	38	4
Manufacturing	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Regional Shopping Center	14.70	6.60	6.60	16.30	64.70	19.00	54	35	11
Regional Shopping Center	14.70	6.60	6.60	16.30	64.70	19.00	54	35	11
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3
User Defined Recreational	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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						
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						
NaturalGas Mitigated	0.2099	1.9083	1.6030	0.0115		0.1450	0.1450		0.1450	0.1450						
NaturalGas Unmitigated	0.2993	2.7209	2.2856	0.0163		0.2068	0.2068		0.2068	0.2068						

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					
Hotel	6.12236e+006	0.0330	0.3001	0.2521	1.8000e-003		0.0228	0.0228		0.0228	0.0228						
Manufacturing	1.73352e+007	0.0935	0.8498	0.7138	5.1000e-003		0.0646	0.0646		0.0646	0.0646						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	1.229e+006	6.6300e-003	0.0603	0.0506	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003						
Regional Shopping Center	309155	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003						
Research & Development	2.96111e+007	0.1597	1.4515	1.2193	8.7100e-003		0.1103	0.1103		0.1103	0.1103						
Research & Development	900119	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003						
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		**0.2993**	**2.7209**	**2.2856**	**0.0163**		**0.2068**	**0.2068**		**0.2068**	**0.2068**						

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					
Manufacturing	1.21506e+007	0.0655	0.5956	0.5003	3.5700e-003		0.0453	0.0453		0.0453	0.0453						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	219125	1.1800e-003	0.0107	9.0200e-003	6.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004						
Regional Shopping Center	871100	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003						
Research & Development	2.0755e+007	0.1119	1.0174	0.8546	6.1000e-003		0.0773	0.0773		0.0773	0.0773						
Research & Development	630909	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003						
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Hotel	4.30264e+006	0.0232	0.2109	0.1772	1.2700e-003		0.0160	0.0160		0.0160	0.0160						
Total		**0.2099**	**1.9083**	**1.6030**	**0.0115**		**0.1450**	**0.1450**		**0.1450**	**0.1450**						

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.63786e +006				
Manufacturing	8.15932e +006				
Other Asphalt Surfaces	0				
Parking Lot	2.94131e +006				
Regional Shopping Center	1.339e +006				
Regional Shopping Center	336825				
Research & Development	1.39373e +007				
Research & Development	423666				
User Defined Recreational	0				
Total					

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	744114				
Manufacturing	3.81181e +006				
Other Asphalt Surfaces	0				
Parking Lot	1.47066e +006				
Regional Shopping Center	150452				
Regional Shopping Center	598100				
Research & Development	197925				
Research & Development	6.51112e +006				
User Defined Recreational	0				
Total					

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive 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	22.2374	9.1000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004						
Unmitigated	26.0562	9.1000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004						

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.0227					0.0000	0.0000		0.0000	0.0000						
Consumer Products	24.0243					0.0000	0.0000		0.0000	0.0000						
Landscaping	9.3100e-003	9.1000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004						
Total	**26.0562**	**9.1000e-004**	**0.1018**	**1.0000e-005**		**3.6000e-004**	**3.6000e-004**		**3.6000e-004**	**3.6000e-004**						

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						
Consumer Products	22.2281					0.0000	0.0000		0.0000	0.0000						
Landscaping	9.3100e-003	9.1000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004						
Total	**22.2374**	**9.1000e-004**	**0.1018**	**1.0000e-005**		**3.6000e-004**	**3.6000e-004**		**3.6000e-004**	**3.6000e-004**						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				
Unmitigated				

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.80502 / 0.422779				
Manufacturing	204.425 / 0				
Other Asphalt Surfaces	0 / 0				
Parking Lot	0 / 0				
Regional Shopping Center	9.27092 / 5.68217				
Research & Development	765.027 / 0				
User Defined Recreational	0 / 0				
Total					

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.66351 / 0.422779				
Manufacturing	143.098 / 0				
Other Asphalt Surfaces	0 / 0				
Parking Lot	0 / 0				
Regional Shopping Center	6.48964 / 5.68217				
Research & Development	535.519 / 0				
User Defined Recreational	0 / 0				
Total					

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				
Unmitigated				

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13				
Manufacturing	1096.16				
Other Asphalt Surfaces	0				
Parking Lot	0				
Regional Shopping Center	131.42				
Research & Development	118.24				
User Defined Recreational	0				
Total					

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13				
Manufacturing	1096.16				
Other Asphalt Surfaces	0				
Parking Lot	0				
Regional Shopping Center	131.42				
Research & Development	118.24				
User Defined Recreational	0				
Total					

9.0 Operational Offroad

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

10.0 Vegetation

Mace Ranch Innovation Center-GHG

Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Parking Lot	8,356.00	Space	80.30	3,342,400.00	0
Hotel	150.00	Room	5.00	217,800.00	0
User Defined Recreational	64.60	User Defined Unit	64.60	0.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	54
Climate Zone	2			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	429.7	**CH4 Intensity (lb/MWhr)**	0.019	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Reflects DEIR CalEEMod output files.

Land Use - Reflects land uses disclosed in the DEIR.

Construction Phase - Reflects DEIR CalEEMod output file.

Trips and VMT -

On-road Fugitive Dust - Reflects DEIR CalEEMod output file.

Grading - Reflects DEIR.

Vehicle Trips - Default values used.

Road Dust - Reflects DEIR CalEEMod output files.

Area Mitigation - Reflects DEIR CalEEMod output file.

Energy Mitigation -

Water Mitigation - Reflects DEIR CalEEMod output file.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	0
tblConstructionPhase	NumDays	330.00	3,860.00
tblConstructionPhase	NumDays	4,650.00	3,860.00
tblConstructionPhase	NumDays	465.00	395.00
tblConstructionPhase	NumDays	330.00	280.00
tblConstructionPhase	NumDays	180.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	224.42
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00

tblLandUse	LotAcreage	75.20	80.30
tblLandUse	LotAcreage	0.00	64.60
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.019
tblProjectCharacteristics	CO2IntensityFactor	641.35	429.7
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017											0.0000	248.2873	248.2873	0.0729	0.0000	249.8185
2018											0.0000	740.9738	740.9738	0.2238	0.0000	745.6726
2019											0.0000	556.7603	556.7603	0.1700	0.0000	560.3301
2020											0.0000	2,294.3795	2,294.3795	0.1384	0.0000	2,297.2855
2021											0.0000	6,202.2526	6,202.2526	0.2381	0.0000	6,207.2535
2022											0.0000	6,123.4203	6,123.4203	0.2307	0.0000	6,128.2656
2023											0.0000	6,072.0529	6,072.0529	0.2237	0.0000	6,076.7503
2024											0.0000	6,076.4969	6,076.4969	0.2203	0.0000	6,081.1231
2025											0.0000	6,016.2104	6,016.2104	0.2151	0.0000	6,020.7280
2026											0.0000	5,984.2771	5,984.2771	0.2118	0.0000	5,988.7254
2027											0.0000	5,956.6220	5,956.6220	0.2089	0.0000	5,961.0085
2028											0.0000	5,910.0541	5,910.0541	0.2054	0.0000	5,914.3680
2029											0.0000	5,912.2878	5,912.2878	0.2036	0.0000	5,916.5641
2030											0.0000	5,934.9714	5,934.9714	0.1438	0.0000	5,937.9921
2031											0.0000	5,920.6380	5,920.6380	0.1417	0.0000	5,923.6139
2032											0.0000	5,931.4061	5,931.4061	0.1404	0.0000	5,934.3536
2033											0.0000	5,876.3320	5,876.3320	0.1377	0.0000	5,879.2236

	ROG	NOx	CO	SO2	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					
2034											0.0000	5,868.0844	5,868.0844	0.1362	0.0000	5,870.9445
2035											0.0000	2,726.1939	2,726.1939	0.0625	0.0000	2,727.5054
Total											**0.0000**	**90,351.7008**	**90,351.7008**	**3.3250**	**0.0000**	**90,421.5261**

2.1 Overall Construction

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					
2017											0.0000	248.2871	248.2871	0.0729	0.0000	249.8182
2018											0.0000	740.9729	740.9729	0.2238	0.0000	745.6718
2019											0.0000	556.7597	556.7597	0.1700	0.0000	560.3294
2020											0.0000	2,294.3791	2,294.3791	0.1384	0.0000	2,297.2851
2021											0.0000	6,202.2522	6,202.2522	0.2381	0.0000	6,207.2531
2022											0.0000	6,123.4199	6,123.4199	0.2307	0.0000	6,128.2652
2023											0.0000	6,072.0525	6,072.0525	0.2237	0.0000	6,076.7499
2024											0.0000	6,076.4965	6,076.4965	0.2203	0.0000	6,081.1227
2025											0.0000	6,016.2100	6,016.2100	0.2151	0.0000	6,020.7276
2026											0.0000	5,984.2767	5,984.2767	0.2118	0.0000	5,988.7250

	ROG	NOx	CO	SO2	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					
2027											0.0000	5,956.6216	5,956.6216	0.2089	0.0000	5,961.0081
2028											0.0000	5,910.0537	5,910.0537	0.2054	0.0000	5,914.3676
2029											0.0000	5,912.2874	5,912.2874	0.2036	0.0000	5,916.5637
2030											0.0000	5,934.9710	5,934.9710	0.1438	0.0000	5,937.9917
2031											0.0000	5,920.6375	5,920.6375	0.1417	0.0000	5,923.6134
2032											0.0000	5,931.4056	5,931.4056	0.1404	0.0000	5,934.3531
2033											0.0000	5,876.3316	5,876.3316	0.1377	0.0000	5,879.2231
2034											0.0000	5,868.0840	5,868.0840	0.1362	0.0000	5,870.9441
2035											0.0000	2,726.1937	2,726.1937	0.0625	0.0000	2,727.5052
Total											**0.0000**	**90,351.6927**	**90,351.6927**	**3.3250**	**0.0000**	**90,421.5180**

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.1990	0.1990	5.1000e-004	0.0000	0.2098
Energy											0.0000	8,570.6141	8,570.6141	0.3048	0.1065	8,610.0333
Mobile											0.0000	19,337.1326	19,337.1326	0.4411	0.0000	19,346.3945
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											311.7107	1,040.3880	1,352.0987	32.0617	0.7656	2,262.7436
Total											**601.5716**	**28,948.3336**	**29,549.9052**	**49.9383**	**0.8722**	**30,868.9783**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.1990	0.1990	5.1000e-004	0.0000	0.2098
Energy											0.0000	4,705.5981	4,705.5981	0.1560	0.0626	4,728.2655
Mobile											0.0000	19,337.1326	19,337.1326	0.4411	0.0000	19,346.3945
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											218.1975	668.9379	887.1354	22.4406	0.5354	1,524.3605
Total											**508.0584**	**24,711.8676**	**25,219.9260**	**40.1684**	**0.5980**	**26,248.8274**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**15.54**	**14.63**	**14.65**	**19.56**	**31.44**	**14.97**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 224.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,363,896; Non-Residential Outdoor: 1,454,632 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,415.00	1,008.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	483.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0500	236.0500	0.0723	0.0000	237.5688
Total											**0.0000**	**236.0500**	**236.0500**	**0.0723**	**0.0000**	**237.5688**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											**0.0000**	**12.2373**	**12.2373**	**5.9000e-004**	**0.0000**	**12.2497**

3.2 Site Preparation - 2017

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0497	236.0497	0.0723	0.0000	237.5686
Total											**0.0000**	**236.0497**	**236.0497**	**0.0723**	**0.0000**	**237.5686**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											**0.0000**	**12.2373**	**12.2373**	**5.9000e-004**	**0.0000**	**12.2497**

3.2 Site Preparation - 2018

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9747
Total											**0.0000**	**35.7410**	**35.7410**	**0.0111**	**0.0000**	**35.9747**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											**0.0000**	**1.8122**	**1.8122**	**8.0000e-005**	**0.0000**	**1.8139**

3.2 Site Preparation - 2018

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9746
Total											**0.0000**	**35.7410**	**35.7410**	**0.0111**	**0.0000**	**35.9746**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											**0.0000**	**1.8122**	**1.8122**	**8.0000e-005**	**0.0000**	**1.8139**

3.3 Grading - 2018

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	679.1574	679.1574	0.2114	0.0000	683.5975
Total											**0.0000**	**679.1574**	**679.1574**	**0.2114**	**0.0000**	**683.5975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											**0.0000**	**24.2632**	**24.2632**	**1.1100e-003**	**0.0000**	**24.2865**

3.3 Grading - 2018

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	679.1566	679.1566	0.2114	0.0000	683.5967
Total											**0.0000**	**679.1566**	**679.1566**	**0.2114**	**0.0000**	**683.5967**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											**0.0000**	**24.2632**	**24.2632**	**1.1100e-003**	**0.0000**	**24.2865**

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	426.8949	426 8949	0.1351	0.0000	429.7312
Total											**0.0000**	**426.8949**	**426.8949**	**0.1351**	**0.0000**	**429.7312**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											**0.0000**	**14.8934**	**14.8934**	**6.6000e-004**	**0.0000**	**14.9072**

3.3 Grading - 2019

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	426.8944	426 8944	0.1351	0.0000	429.7307
Total											**0.0000**	**426.8944**	**426.8944**	**0.1351**	**0.0000**	**429.7307**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											**0.0000**	**14.8934**	**14.8934**	**6.6000e-004**	**0.0000**	**14.9072**

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	107.2112	107 2112	0.0339	0.0000	107.9235
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											**0.0000**	**107.2112**	**107.2112**	**0.0339**	**0.0000**	**107.9235**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											**0.0000**	**7.7610**	**7.7610**	**3.4000e-004**	**0.0000**	**7.7682**

3.4 Paving - 2019

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											0.0000	107.2110	107 2110	0.0339	0.0000	107.9234
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											**0.0000**	**107.2110**	**107.2110**	**0.0339**	**0.0000**	**107.9234**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											**0.0000**	**7.7610**	**7.7610**	**3.4000e-004**	**0.0000**	**7.7682**

3.4 Paving - 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											0.0000	169.5578	169 5578	0.0548	0.0000	170.7094
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											**0.0000**	**169.5578**	**169.5578**	**0.0548**	**0.0000**	**170.7094**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											**0.0000**	**12.0504**	**12.0504**	**5.2000e-004**	**0.0000**	**12.0614**

3.4 Paving - 2020

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											0.0000	169.5576	169 5576	0.0548	0.0000	170.7092
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											**0.0000**	**169.5576**	**169.5576**	**0.0548**	**0.0000**	**170.7092**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											**0.0000**	**12.0504**	**12.0504**	**5.2000e-004**	**0.0000**	**12.0614**

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											0.0000	102.6392	102.6392	0.0250	0.0000	103.1643
Total											**0.0000**	**102.6392**	**102.6392**	**0.0250**	**0.0000**	**103.1643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	824.7632	824.7632	6.1800e-003	0.0000	824.8930
Worker											0.0000	998.0938	998.0938	0.0434	0.0000	999.0042
Total											**0.0000**	**1,822.8570**	**1,822.8570**	**0.0495**	**0.0000**	**1,823.8973**

3.5 Building Construction - 2020

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											0.0000	102.6391	102.6391	0.0250	0.0000	103.1642
Total											**0.0000**	**102.6391**	**102.6391**	**0.0250**	**0.0000**	**103.1642**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	824.7632	824.7632	6.1800e-003	0.0000	824.8930
Worker											0.0000	998.0938	998.0938	0.0434	0.0000	999.0042
Total											**0.0000**	**1,822.8570**	**1,822.8570**	**0.0495**	**0.0000**	**1,823.8973**

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											0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
Total											**0.0000**	**301.0339**	**301.0339**	**0.0725**	**0.0000**	**302.5568**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,414.8383	2,414.8383	0.0180	0.0000	2,415.2154
Worker											0.0000	2,877.5504	2,877.5504	0.1211	0.0000	2,880.0944
Total											**0.0000**	**5,292.3887**	**5,292.3887**	**0.1391**	**0.0000**	**5,295.3098**

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
Total											**0.0000**	**301.0335**	**301.0335**	**0.0725**	**0.0000**	**302.5565**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,414.8383	2,414.8383	0.0180	0.0000	2,415.2154
Worker											0.0000	2,877.5504	2,877.5504	0.1211	0.0000	2,880.0944
Total											**0.0000**	**5,292.3887**	**5,292.3887**	**0.1391**	**0.0000**	**5,295.3098**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	299.9946	299 9946	0.0718	0.0000	301.5017
Total											**0.0000**	**299.9946**	**299.9946**	**0.0718**	**0.0000**	**301.5017**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,403.8999	2,403.8999	0.0181	0.0000	2,404.2807
Worker											0.0000	2,821.9446	2,821.9446	0.1156	0.0000	2,824.3713
Total											**0.0000**	**5,225.8445**	**5,225.8445**	**0.1337**	**0.0000**	**5,228.6520**

3.5 Building Construction - 2022

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											0.0000	299.9943	299 9943	0.0718	0.0000	301.5013
Total											**0.0000**	**299.9943**	**299.9943**	**0.0718**	**0.0000**	**301.5013**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,403.8999	2,403.8999	0.0181	0.0000	2,404.2807
Worker											0.0000	2,821.9446	2,821.9446	0.1156	0.0000	2,824.3713
Total											**0.0000**	**5,225.8445**	**5,225.8445**	**0.1337**	**0.0000**	**5,228.6520**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
Total											**0.0000**	**300.0980**	**300.0980**	**0.0713**	**0.0000**	**301.5949**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,400.7173	2,400.7173	0.0172	0.0000	2,401.0779
Worker											0.0000	2,781.7045	2,781.7045	0.1110	0.0000	2,784.0362
Total											**0.0000**	**5,182.4218**	**5,182.4218**	**0.1282**	**0.0000**	**5,185.1141**

3.5 Building Construction - 2023

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											0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
Total											**0.0000**	**300.0976**	**300.0976**	**0.0713**	**0.0000**	**301.5946**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,400.7173	2,400.7173	0.0172	0.0000	2,401.0779
Worker											0.0000	2,781.7045	2,781.7045	0.1110	0.0000	2,784.0362
Total											**0.0000**	**5,182.4218**	**5,182.4218**	**0.1282**	**0.0000**	**5,185.1141**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
Total											**0.0000**	**302.4646**	**302.4646**	**0.0714**	**0.0000**	**303.9643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,420.0495	2,420.0495	0.0174	0.0000	2,420.4141
Worker											0.0000	2,767.1127	2,767.1127	0.1080	0.0000	2,769.3812
Total											**0.0000**	**5,187.1622**	**5,187.1622**	**0.1254**	**0.0000**	**5,189.7953**

3.5 Building Construction - 2024

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											0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
Total											**0.0000**	**302.4642**	**302.4642**	**0.0714**	**0.0000**	**303.9639**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,420.0495	2,420.0495	0.0174	0.0000	2,420.4141
Worker											0.0000	2,767.1127	2,767.1127	0.1080	0.0000	2,769.3812
Total											**0.0000**	**5,187.1622**	**5,187.1622**	**0.1254**	**0.0000**	**5,189.7953**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											**0.0000**	**301.4019**	**301.4019**	**0.0707**	**0.0000**	**302.8874**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,411.4244	2,411.4244	0.0173	0.0000	2,411.7886
Worker											0.0000	2,725.0534	2,725.0534	0.1044	0.0000	2,727.2449
Total											**0.0000**	**5,136.4779**	**5,136.4779**	**0.1217**	**0.0000**	**5,139.0335**

3.5 Building Construction - 2025

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											**0.0000**	**301.4015**	**301.4015**	**0.0707**	**0.0000**	**302.8871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,411.4244	2,411.4244	0.0173	0.0000	2,411.7886
Worker											0.0000	2,725.0534	2,725.0534	0.1044	0.0000	2,727.2449
Total											**0.0000**	**5,136.4779**	**5,136.4779**	**0.1217**	**0.0000**	**5,139.0335**

3.5 Building Construction - 2026

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											**0.0000**	**301.4019**	**301.4019**	**0.0707**	**0.0000**	**302.8874**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,412.0365	2,412.0365	0.0174	0.0000	2,412.4009
Worker											0.0000	2,697.9323	2,697.9323	0.1016	0.0000	2,700.0658
Total											**0.0000**	**5,109.9688**	**5,109.9688**	**0.1190**	**0.0000**	**5,112.4667**

3.5 Building Construction - 2026

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											**0.0000**	**301.4015**	**301.4015**	**0.0707**	**0.0000**	**302.8871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,412.0365	2,412.0365	0.0174	0.0000	2,412.4009
Worker											0.0000	2,697.9323	2,697.9323	0.1016	0.0000	2,700.0658
Total											**0.0000**	**5,109.9688**	**5,109.9688**	**0.1190**	**0.0000**	**5,112.4667**

3.5 Building Construction - 2027

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											**0.0000**	**301.4019**	**301.4019**	**0.0707**	**0.0000**	**302.8874**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,412.6971	2,412.6971	0.0174	0.0000	2,413.0622
Worker											0.0000	2,674.3358	2,674.3358	0.0991	0.0000	2,676.4173
Total											**0.0000**	**5,087.0329**	**5,087.0329**	**0.1165**	**0.0000**	**5,089.4795**

3.5 Building Construction - 2027

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											**0.0000**	**301.4015**	**301.4015**	**0.0707**	**0.0000**	**302.8871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,412.6971	2,412.6971	0.0174	0.0000	2,413.0622
Worker											0.0000	2,674.3358	2,674.3358	0.0991	0.0000	2,676.4173
Total											**0.0000**	**5,087.0329**	**5,087.0329**	**0.1165**	**0.0000**	**5,089.4795**

3.5 Building Construction - 2028

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											0.0000	300.2471	300 2471	0.0705	0.0000	301.7269
Total											**0.0000**	**300.2471**	**300.2471**	**0.0705**	**0.0000**	**301.7269**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,403.9968	2,403.9968	0.0173	0.0000	2,404.3608
Worker											0.0000	2,643.8483	2,643.8483	0.0965	0.0000	2,645.8750
Total											**0.0000**	**5,047.8451**	**5,047.8451**	**0.1138**	**0.0000**	**5,050.2358**

3.5 Building Construction - 2028

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											0.0000	300.2467	300 2467	0.0705	0.0000	301.7266
Total											**0.0000**	**300.2467**	**300.2467**	**0.0705**	**0.0000**	**301.7266**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,403.9968	2,403.9968	0.0173	0.0000	2,404.3608
Worker											0.0000	2,643.8483	2,643.8483	0.0965	0.0000	2,645.8750
Total											**0.0000**	**5,047.8451**	**5,047.8451**	**0.1138**	**0.0000**	**5,050.2358**

3.5 Building Construction - 2029

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											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											**0.0000**	**301.4019**	**301.4019**	**0.0707**	**0.0000**	**302.8874**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,413.7047	2,413.7047	0.0174	0.0000	2,414.0703
Worker											0.0000	2,636.5510	2,636.5510	0.0947	0.0000	2,638.5402
Total											**0.0000**	**5,050.2557**	**5,050.2557**	**0.1121**	**0.0000**	**5,052.6105**

3.5 Building Construction - 2029

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											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											**0.0000**	**301.4015**	**301.4015**	**0.0707**	**0.0000**	**302.8871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,413.7047	2,413.7047	0.0174	0.0000	2,414.0703
Worker											0.0000	2,636.5510	2,636.5510	0.0947	0.0000	2,638.5402
Total											**0.0000**	**5,050.2557**	**5,050.2557**	**0.1121**	**0.0000**	**5,052.6105**

3.5 Building Construction - 2030

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											0.0000	341.5281	341 5281	0.0137	0.0000	341.8160
Total											**0.0000**	**341.5281**	**341.5281**	**0.0137**	**0.0000**	**341.8160**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,413.9578	2,413.9578	0.0174	0.0000	2,414.3237
Worker											0.0000	2,621.8046	2,621.8046	0.0928	0.0000	2,623.7535
Total											**0.0000**	**5,035.7624**	**5,035.7624**	**0.1102**	**0.0000**	**5,038.0771**

3.5 Building Construction - 2030

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											0.0000	341.5277	341 5277	0.0137	0.0000	341.8156
Total											**0.0000**	**341.5277**	**341.5277**	**0.0137**	**0.0000**	**341.8156**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,413.9578	2,413.9578	0.0174	0.0000	2,414.3237
Worker											0.0000	2,621.8046	2,621.8046	0.0928	0.0000	2,623.7535
Total											**0.0000**	**5,035.7624**	**5,035.7624**	**0.1102**	**0.0000**	**5,038.0771**

3.5 Building Construction - 2031

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											0.0000	341.5281	341 5281	0.0137	0.0000	341.8160
Total											**0.0000**	**341.5281**	**341.5281**	**0.0137**	**0.0000**	**341.8160**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,414.5159	2,414.5159	0.0174	0.0000	2,414.8820
Worker											0.0000	2,609.3950	2,609.3950	0.0910	0.0000	2,611.3063
Total											**0.0000**	**5,023.9109**	**5,023.9109**	**0.1085**	**0.0000**	**5,026.1883**

3.5 Building Construction - 2031

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											0.0000	341.5277	341 5277	0.0137	0.0000	341.8156
Total											**0.0000**	**341.5277**	**341.5277**	**0.0137**	**0.0000**	**341.8156**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,414.5159	2,414.5159	0.0174	0.0000	2,414.8820
Worker											0.0000	2,609.3950	2,609.3950	0.0910	0.0000	2,611.3063
Total											**0.0000**	**5,023.9109**	**5,023.9109**	**0.1085**	**0.0000**	**5,026.1883**

3.5 Building Construction - 2032

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											0.0000	342.8367	342 8367	0.0138	0.0000	343.1257
Total											**0.0000**	**342.8367**	**342.8367**	**0.0138**	**0.0000**	**343.1257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,424.3566	2,424.3566	0.0175	0.0000	2,424.7244
Worker											0.0000	2,608.9710	2,608.9710	0.0898	0.0000	2,610.8563
Total											**0.0000**	**5,033.3276**	**5,033.3276**	**0.1073**	**0.0000**	**5,035.5806**

3.5 Building Construction - 2032

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											0.0000	342.8363	342 8363	0.0138	0.0000	343.1252
Total											**0.0000**	**342.8363**	**342.8363**	**0.0138**	**0.0000**	**343.1252**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,424.3566	2,424.3566	0.0175	0.0000	2,424.7244
Worker											0.0000	2,608.9710	2,608.9710	0.0898	0.0000	2,610.8563
Total											**0.0000**	**5,033.3276**	**5,033.3276**	**0.1073**	**0.0000**	**5,035.5806**

3.5 Building Construction - 2033

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											0.0000	340.2196	340 2196	0.0137	0.0000	340.5064
Total											**0.0000**	**340.2196**	**340.2196**	**0.0137**	**0.0000**	**340.5064**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,406.3335	2,406.3335	0.0174	0.0000	2,406.6987
Worker											0.0000	2,580.4888	2,580.4888	0.0878	0.0000	2,582.3317
Total											**0.0000**	**4,986.8223**	**4,986.8223**	**0.1051**	**0.0000**	**4,989.0304**

3.5 Building Construction - 2033

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											0.0000	340.2192	340 2192	0.0137	0.0000	340.5060
Total											**0.0000**	**340.2192**	**340.2192**	**0.0137**	**0.0000**	**340.5060**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,406.3335	2,406.3335	0.0174	0.0000	2,406.6987
Worker											0.0000	2,580.4888	2,580.4888	0.0878	0.0000	2,582.3317
Total											**0.0000**	**4,986.8223**	**4,986.8223**	**0.1051**	**0.0000**	**4,989.0304**

3.5 Building Construction - 2034

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											0.0000	340.2196	340 2196	0.0137	0.0000	340.5064
Total											**0.0000**	**340.2196**	**340.2196**	**0.0137**	**0.0000**	**340.5064**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,406.7741	2,406.7741	0.0174	0.0000	2,407.1394
Worker											0.0000	2,573.2487	2,573.2487	0.0865	0.0000	2,575.0652
Total											**0.0000**	**4,980.0228**	**4,980.0228**	**0.1039**	**0.0000**	**4,982.2046**

3.5 Building Construction - 2034

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											0.0000	340.2192	340 2192	0.0137	0.0000	340.5060
Total											**0.0000**	**340.2192**	**340.2192**	**0.0137**	**0.0000**	**340.5060**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,406.7741	2,406.7741	0.0174	0.0000	2,407.1394
Worker											0.0000	2,573.2487	2,573.2487	0.0865	0.0000	2,575.0652
Total											**0.0000**	**4,980.0228**	**4,980.0228**	**0.1039**	**0.0000**	**4,982.2046**

3.5 Building Construction - 2035

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											0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473
Total											**0.0000**	**157.0244**	**157.0244**	**5.8500e-003**	**0.0000**	**157.1473**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	1,110.9662	1,110.9662	8.0300e-003	0.0000	1,111.1348
Worker											0.0000	1,184.8825	1,184.8825	0.0394	0.0000	1,185.7103
Total											**0.0000**	**2,295.8487**	**2,295.8487**	**0.0475**	**0.0000**	**2,296.8451**

3.5 Building Construction - 2035

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											0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471
Total											**0.0000**	**157.0242**	**157.0242**	**5.8500e-003**	**0.0000**	**157.1471**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	1,110.9662	1,110.9662	8.0300e-003	0.0000	1,111.1348
Worker											0.0000	1,184.8825	1,184.8825	0.0394	0.0000	1,185.7103
Total											**0.0000**	**2,295.8487**	**2,295.8487**	**0.0475**	**0.0000**	**2,296.8451**

3.6 Architectural Coating - 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					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018
Total											**0.0000**	**10.0854**	**10.0854**	**7.8000e-004**	**0.0000**	**10.1018**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	177.1897	177.1897	7.7000e-003	0.0000	177.3513
Total											**0.0000**	**177.1897**	**177.1897**	**7.7000e-003**	**0.0000**	**177.3513**

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017
Total											**0.0000**	**10.0853**	**10.0853**	**7.8000e-004**	**0.0000**	**10.1017**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	177.1897	177.1897	7.7000e-003	0.0000	177.3513
Total											**0.0000**	**177.1897**	**177.1897**	**7.7000e-003**	**0.0000**	**177.3513**

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											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680
Total											**0.0000**	**33.3200**	**33.3200**	**2.2900e-003**	**0.0000**	**33.3680**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	575.5101	575 5101	0.0242	0.0000	576.0189
Total											**0.0000**	**575.5101**	**575.5101**	**0.0242**	**0.0000**	**576.0189**

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679
Total											**0.0000**	**33.3199**	**33.3199**	**2.2900e-003**	**0.0000**	**33.3679**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	575.5101	575 5101	0.0242	0.0000	576.0189
Total											**0.0000**	**575.5101**	**575.5101**	**0.0242**	**0.0000**	**576.0189**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377
Total											**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2377**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	564.3889	564 3889	0.0231	0.0000	564.8743
Total											**0.0000**	**564.3889**	**564.3889**	**0.0231**	**0.0000**	**564.8743**

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376
Total											**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2376**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	564.3889	564 3889	0.0231	0.0000	564.8743
Total											**0.0000**	**564.3889**	**564.3889**	**0.0231**	**0.0000**	**564.8743**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2340**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	556.3409	556 3409	0.0222	0.0000	556.8073
Total											**0.0000**	**556.3409**	**556.3409**	**0.0222**	**0.0000**	**556.8073**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2340**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	556.3409	556 3409	0.0222	0.0000	556.8073
Total											**0.0000**	**556.3409**	**556.3409**	**0.0222**	**0.0000**	**556.8073**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872
Total											**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4872**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	553.4225	553.4225	0.0216	0.0000	553.8763
Total											**0.0000**	**553.4225**	**553.4225**	**0.0216**	**0.0000**	**553.8763**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871
Total											**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4871**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	553.4225	553.4225	0.0216	0.0000	553.8763
Total											**0.0000**	**553.4225**	**553.4225**	**0.0216**	**0.0000**	**553.8763**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	545.0107	545.0107	0.0209	0.0000	545.4490
Total											**0.0000**	**545.0107**	**545.0107**	**0.0209**	**0.0000**	**545.4490**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	545.0107	545.0107	0.0209	0.0000	545.4490
Total											**0.0000**	**545.0107**	**545.0107**	**0.0209**	**0.0000**	**545.4490**

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	539.5865	539 5865	0.0203	0.0000	540.0132
Total											**0.0000**	**539.5865**	**539.5865**	**0.0203**	**0.0000**	**540.0132**

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	539.5865	539 5865	0.0203	0.0000	540.0132
Total											**0.0000**	**539.5865**	**539.5865**	**0.0203**	**0.0000**	**540.0132**

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	534.8672	534 8672	0.0198	0.0000	535.2835
Total											**0.0000**	**534.8672**	**534.8672**	**0.0198**	**0.0000**	**535.2835**

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	534.8672	534 8672	0.0198	0.0000	535.2835
Total											**0.0000**	**534.8672**	**534.8672**	**0.0198**	**0.0000**	**535.2835**

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											**0.0000**	**33.1923**	**33.1923**	**1.8100e-003**	**0.0000**	**33.2303**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	528.7697	528.7697	0.0193	0.0000	529.1750
Total											**0.0000**	**528.7697**	**528.7697**	**0.0193**	**0.0000**	**529.1750**

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											**0.0000**	**33.1923**	**33.1923**	**1.8100e-003**	**0.0000**	**33.2303**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	528.7697	528.7697	0.0193	0.0000	529.1750
Total											**0.0000**	**528.7697**	**528.7697**	**0.0193**	**0.0000**	**529.1750**

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											**0.0000**	**33.3200**	**33.3200**	**1.8200e-003**	**0.0000**	**33.3581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	527.3102	527 3102	0.0189	0.0000	527.7080
Total											**0.0000**	**527.3102**	**527.3102**	**0.0189**	**0.0000**	**527.7080**

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											**0.0000**	**33.3199**	**33.3199**	**1.8200e-003**	**0.0000**	**33.3581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	527.3102	527 3102	0.0189	0.0000	527.7080
Total											**0.0000**	**527.3102**	**527.3102**	**0.0189**	**0.0000**	**527.7080**

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											**0.0000**	**33.3200**	**33.3200**	**1.3500e-003**	**0.0000**	**33.3483**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	524.3609	524 3609	0.0186	0.0000	524.7507
Total											**0.0000**	**524.3609**	**524.3609**	**0.0186**	**0.0000**	**524.7507**

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											**0.0000**	**33.3199**	**33.3199**	**1.3500e-003**	**0.0000**	**33.3482**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	524.3609	524 3609	0.0186	0.0000	524.7507
Total											**0.0000**	**524.3609**	**524.3609**	**0.0186**	**0.0000**	**524.7507**

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											**0.0000**	**33.3200**	**33.3200**	**1.3500e-003**	**0.0000**	**33.3483**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	521.8790	521 8790	0.0182	0.0000	522.2613
Total											**0.0000**	**521.8790**	**521.8790**	**0.0182**	**0.0000**	**522.2613**

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											**0.0000**	**33.3199**	**33.3199**	**1.3500e-003**	**0.0000**	**33.3482**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	521.8790	521 8790	0.0182	0.0000	522.2613
Total											**0.0000**	**521.8790**	**521.8790**	**0.0182**	**0.0000**	**522.2613**

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761
Total											**0.0000**	**33.4476**	**33.4476**	**1.3500e-003**	**0.0000**	**33.4761**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	521.7942	521.7942	0.0180	0.0000	522.1713
Total											**0.0000**	**521.7942**	**521.7942**	**0.0180**	**0.0000**	**522.1713**

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760
Total											**0.0000**	**33.4476**	**33.4476**	**1.3500e-003**	**0.0000**	**33.4760**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	521.7942	521.7942	0.0180	0.0000	522.1713
Total											**0.0000**	**521.7942**	**521.7942**	**0.0180**	**0.0000**	**522.1713**

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2205**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	516.0978	516.0978	0.0176	0.0000	516.4663
Total											**0.0000**	**516.0978**	**516.0978**	**0.0176**	**0.0000**	**516.4663**

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2205**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	516.0978	516.0978	0.0176	0.0000	516.4663
Total											**0.0000**	**516.0978**	**516.0978**	**0.0176**	**0.0000**	**516.4663**

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2205**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	514.6497	514.6497	0.0173	0.0000	515.0130
Total											**0.0000**	**514.6497**	**514.6497**	**0.0173**	**0.0000**	**515.0130**

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											**0.0000**	**33.1923**	**33.1923**	**1.3400e-003**	**0.0000**	**33.2205**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	514.6497	514.6497	0.0173	0.0000	515.0130
Total											**0.0000**	**514.6497**	**514.6497**	**0.0173**	**0.0000**	**515.0130**

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090
Total											**0.0000**	**16.5962**	**16.5962**	**6.1000e-004**	**0.0000**	**16.6090**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	256.7246	256.7246	8.5400e-003	0.0000	256.9039
Total											**0.0000**	**256.7246**	**256.7246**	**8.5400e-003**	**0.0000**	**256.9039**

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090
Total											**0.0000**	**16.5961**	**16.5961**	**6.1000e-004**	**0.0000**	**16.6090**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	256.7246	256.7246	8.5400e-003	0.0000	256.9039
Total											**0.0000**	**256.7246**	**256.7246**	**8.5400e-003**	**0.0000**	**256.9039**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	19,337.1326	19,337.1326	0.4411	0.0000	19,346.3945
Unmitigated											0.0000	19,337.1326	19,337.1326	0.4411	0.0000	19,346.3945

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,367,519	2,367,519
Manufacturing	3,376.88	1,317.16	548.08	10,348,371	10,348,371
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	7,508,999	7,508,999
Regional Shopping Center	1,080.37	1,257.25	635.04	1,889,264	1,889,264
Research & Development	12,246.10	2,869.00	1676.10	27,207,358	27,207,358
Research & Development	372.25	87.21	50.95	827,032	827,032
User Defined Recreational	0.00	0.00	0.00		
Total	22,595.10	11,756.12	6,326.67	50,148,542	50,148,542

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	14.70	6.60	6.60	19.40	61.60	19.00	58	38	4
Manufacturing	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Regional Shopping Center	14.70	6.60	6.60	16.30	64.70	19.00	54	35	11
Regional Shopping Center	14.70	6.60	6.60	16.30	64.70	19.00	54	35	11
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3
User Defined Recreational	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	2,628.1822	2,628.1822	0.1162	0.0245	2,638.2069
Electricity Unmitigated											0.0000	5,608.5507	5,608.5507	0.2480	0.0522	5,629.9433
NaturalGas Mitigated											0.0000	2,077.4159	2,077.4159	0.0398	0.0381	2,090.0587
NaturalGas Unmitigated											0.0000	2,962.0634	2,962.0634	0.0568	0.0543	2,980.0900

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					
Hotel	6.12236e+006											0.0000	326.7123	326.7123	6.2600e-003	5.9900e-003	328.7007
Manufacturing	1.73352e+007											0.0000	925.0744	925.0744	0.0177	0.0170	930.7043
Other Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.229e+006											0.0000	65.5841	65.5841	1.2600e-003	1.2000e-003	65.9833
Regional Shopping Center	309155											0.0000	16.4977	16.4977	3.2000e-004	3.0000e-004	16.5981
Research & Development	2.96111e+007											0.0000	1,580.1611	1,580.1611	0.0303	0.0290	1,589.7777
Research & Development	900119											0.0000	48.0338	48.0338	9.2000e-004	8.8000e-004	48.3261
User Defined Recreational	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total												**0.0000**	**2,962.0634**	**2,962.0634**	**0.0568**	**0.0543**	**2,980.0900**

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					
Manufacturing	1.21506e+007											0.0000	648.4012	648.4012	0.0124	0.0119	652.3473
Other Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	219125											0.0000	11.6934	11.6934	2.2000e-004	2.1000e-004	11.7645
Regional Shopping Center	871100											0.0000	46.4852	46.4852	8.9000e-004	8.5000e-004	46.7681
Research & Development	2.0755e+007											0.0000	1,107.5632	1,107.5632	0.0212	0.0203	1,114.3036
Research & Development	630909											0.0000	33.6677	33.6677	6.5000e-004	6.2000e-004	33.8726
User Defined Recreational	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	4.30264e+006											0.0000	229.6052	229.6052	4.4000e-003	4.2100e-003	231.0025
Total												**0.0000**	**2,077.4159**	**2,077.4159**	**0.0398**	**0.0381**	**2,090.0587**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.63786e+006	319.2323	0.0141	2.9700e-003	320.4499
Manufacturing	8.15932e+006	1,590.3220	0.0703	0.0148	1,596.3879
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	2.94131e+006	573.2871	0.0254	5.3400e-003	575.4738
Regional Shopping Center	1.339e+006	260.9827	0.0115	2.4300e-003	261.9781
Regional Shopping Center	336825	65.6502	2.9000e-003	6.1000e-004	65.9006
Research & Development	1.39373e+007	2,716.5002	0.1201	0.0253	2,726.8617
Research & Development	423666	82.5762	3.6500e-003	7.7000e-004	82.8912
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**5,608.5507**	**0.2480**	**0.0522**	**5,629.9433**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	744114	145.0342	6.4100e-003	1.3500e-003	145.5874
Manufacturing	3.81181e+006	742.9543	0.0329	6.9200e-003	745.7882
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1.47066e+006	286.6436	0.0127	2.6700e-003	287.7369
Regional Shopping Center	150452	29.3244	1.3000e-003	2.7000e-004	29.4363
Regional Shopping Center	598100	116.5749	5.1500e-003	1.0900e-003	117.0195
Research & Development	197925	38.5773	1.7100e-003	3.6000e-004	38.7245
Research & Development	6.51112e+006	1,269.0736	0.0561	0.0118	1,273.9142
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**2,628.1822**	**0.1162**	**0.0245**	**2,638.2069**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	0.1990	0.1990	5.1000e-004	0.0000	0.2098
Unmitigated											0.0000	0.1990	0.1990	5.1000e-004	0.0000	0.2098

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.1990	0.1990	5.1000e-004	0.0000	0.2098
Total											**0.0000**	**0.1990**	**0.1990**	**5.1000e-004**	**0.0000**	**0.2098**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.1990	0.1990	5.1000e-004	0.0000	0.2098
Total											**0.0000**	**0.1990**	**0.1990**	**5.1000e-004**	**0.0000**	**0.2098**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	887.1354	22.4406	0.5354	1,524.3605
Unmitigated	1,352.0987	32.0617	0.7656	2,262.7436

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.80502 / 0.422779	5.5085	0.1242	2.9700e-003	9.0362
Manufacturing	204.425 / 0	280.4516	6.6707	0.1593	469.9174
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	9.27092 / 5.68217	16.5951	0.3027	7.2600e-003	25.2024
Research & Development	765.027 / 0	1,049.5435	24.9641	0.5961	1,758.5877
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**1,352.0987**	**32.0617**	**0.7656**	**2,262.7436**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.66351 / 0.422779	3.7079	0.0869	2.0800e-003	6.1767
Manufacturing	143.098 / 0	183.7112	4.6690	0.1114	316.2891
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	6.48964 / 5.68217	12.2078	0.2119	5.0900e-003	18.2351
Research & Development	535.519 / 0	687.5085	17.4728	0.4169	1,183.6595
User Defined Recreational	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**887.1354**	**22.4406**	**0.5354**	**1,524.3605**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	289.8610	17.1303	0.0000	649.5971
Unmitigated	289.8610	17.1303	0.0000	649.5971

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**289.8609**	**17.1303**	**0.0000**	**649.5971**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000
Total		**289.8609**	**17.1303**	**0.0000**	**649.5971**

9.0 Operational Offroad

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

10.0 Vegetation

Mace Ranch Innovation Center-Air Quality

Yolo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Parking Lot	8,356.00	Space	80.30	3,342,400.00	0
Hotel	150.00	Room	5.00	217,800.00	0
User Defined Recreational	64.60	User Defined Unit	64.60	0.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	54
Climate Zone	2			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Reflects land uses disclosed in the DEIR.

Construction Phase - Reflects DEIR CalEEMod output file.

Trips and VMT -

On-road Fugitive Dust - Reflects DEIR CalEEMod output file.

Grading - Reflects DEIR.

Vehicle Trips - Default values used.

Road Dust - Reflects DEIR CalEEMod output files.

Area Mitigation - Reflects DEIR CalEEMod output file.

Energy Mitigation -

Water Mitigation - Reflects DEIR CalEEMod output file.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	0
tblConstructionPhase	NumDays	330.00	3,860.00
tblConstructionPhase	NumDays	4,650.00	3,860.00
tblConstructionPhase	NumDays	465.00	395.00
tblConstructionPhase	NumDays	330.00	280.00
tblConstructionPhase	NumDays	180.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	224.42
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00

tblLandUse	LotAcreage	75.20	80.30
tblLandUse	LotAcreage	0.00	64.60
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9124	51.8488	40.5859	0.0420	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269						
2018	5.3630	59.6292	43.4907	0.0649	18.2962	2.7896	20.6630	9.9917	2.5665	12.1692						
2019	4.9578	54.2847	41.3651	0.0649	6.8801	2.5065	9.3866	3.4430	2.3060	5.7490						
2020	29.5947	85.3954	254.5668	0.7099	43.1189	2.3772	45.4960	11.5643	2.2199	13.7843						
2021	28.0384	73.7284	237.1926	0.7094	43.1199	2.1062	45.2261	11.5648	1.9663	13.5311						
2022	27.0584	66.3120	225.3368	0.7091	43.1209	1.9286	45.0496	11.5652	1.7995	13.3647						
2023	25.7360	60.3027	211.0346	0.7087	43.1216	1.7584	44.8799	11.5655	1.6398	13.2053						
2024	25.1647	58.3996	203.8951	0.7087	43.1228	1.6658	44.7887	11.5660	1.5519	13.1179						
2025	24.5995	56.5632	196.9191	0.7087	43.1240	1.5739	44.6979	11.5665	1.4648	13.0313						
2026	24.2784	55.8247	192.1494	0.7087	43.1246	1.5753	44.6998	11.5667	1.4661	13.0328						
2027	24.0470	55.2445	188.3345	0.7088	43.1253	1.5777	44.7030	11.5670	1.4683	13.0353						
2028	23.8037	54.7048	184.8068	0.7088	43.1260	1.5791	44.7052	11.5673	1.4697	13.0369						
2029	23.5656	54.2232	181.5084	0.7089	43.1267	1.5801	44.7067	11.5675	1.4705	13.0381						
2030	23.1620	48.9529	178.3471	0.7129	43.1271	1.1720	44.2991	11.5677	1.0936	12.6613						
2031	22.9908	48.5743	176.0267	0.7130	43.1278	1.1727	44.3005	11.5680	1.0942	12.6622						
2032	22.8307	48.2500	174.0050	0.7130	43.1286	1.1731	44.3017	11.5683	1.0946	12.6629						
2033	22.6628	47.9461	172.2717	0.7131	43.1292	1.1733	44.3025	11.5686	1.0947	12.6632						
2034	22.4871	47.6916	170.6460	0.7131	43.1297	1.1730	44.3027	11.5688	1.0945	12.6632						

	ROG	NOx	CO	SO2	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					
2035	22.1975	46.6108	169.1578	0.7132	43.1302	1.1043	44.2345	11.5690	1.0258	12.5948						
Total	**407.4504**	**1,074.4870**	**3,241.6400**	**11.5396**	**733.4757**	**32.7426**	**765.7955**	**208.4973**	**30.4218**	**238.5301**						

2.1 Overall Construction (Maximum Daily Emission)

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					
2017	4.9124	51.8488	40.5859	0.0420	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269						
2018	5.3630	59.6292	43.4907	0.0649	18.2962	2.7896	20.6630	9.9917	2.5665	12.1692						
2019	4.9578	54.2847	41.3651	0.0649	6.8801	2.5065	9.3866	3.4430	2.3060	5.7490						
2020	29.5947	85.3954	254.5668	0.7099	43.1189	2.3772	45.4960	11.5643	2.2199	13.7843						
2021	28.0384	73.7284	237.1926	0.7094	43.1199	2.1062	45.2261	11.5648	1.9663	13.5311						
2022	27.0584	66.3120	225.3368	0.7091	43.1209	1.9286	45.0496	11.5652	1.7995	13.3647						
2023	25.7360	60.3027	211.0346	0.7087	43.1216	1.7584	44.8799	11.5655	1.6398	13.2053						
2024	25.1647	58.3996	203.8951	0.7087	43.1228	1.6658	44.7887	11.5660	1.5519	13.1179						
2025	24.5995	56.5632	196.9191	0.7087	43.1240	1.5739	44.6979	11.5665	1.4648	13.0313						
2026	24.2784	55.8247	192.1494	0.7087	43.1246	1.5753	44.6998	11.5667	1.4661	13.0328						
2027	24.0470	55.2445	188.3345	0.7088	43.1253	1.5777	44.7030	11.5670	1.4683	13.0353						

	ROG	NOx	CO	SO2	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					
2028	23.8037	54.7048	184.8068	0.7088	43.1260	1.5791	44.7052	11.5673	1.4697	13.0369						
2029	23.5656	54.2232	181.5084	0.7089	43.1267	1.5801	44.7067	11.5675	1.4705	13.0381						
2030	23.1620	48.9529	178.3471	0.7129	43.1271	1.1720	44.2991	11.5677	1.0936	12.6613						
2031	22.9908	48.5743	176.0267	0.7130	43.1278	1.1727	44.3005	11.5680	1.0942	12.6622						
2032	22.8307	48.2500	174.0050	0.7130	43.1286	1.1731	44.3017	11.5683	1.0946	12.6629						
2033	22.6628	47.9461	172.2717	0.7131	43.1292	1.1733	44.3025	11.5686	1.0947	12.6632						
2034	22.4871	47.6916	170.6460	0.7131	43.1297	1.1730	44.3027	11.5688	1.0945	12.6632						
2035	22.1975	46.6108	169.1578	0.7132	43.1302	1.1043	44.2345	11.5690	1.0258	12.5948						
Total	**407.4504**	**1,074.4870**	**3,241.6400**	**11.5396**	**733.4757**	**32.7426**	**765.7955**	**208.4973**	**30.4218**	**238.5301**						

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	142.8263	0.0102	1.1305	8.0000e-005		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003						
Energy	1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331						
Mobile	55.4467	110.6334	521.1133	2.1564	135.5584	2.8095	138.3678	36.3732	2.5913	38.9646						
Total	**199.9130**	**125.5528**	**534.7676**	**2.2459**	**135.5584**	**3.9466**	**139.5049**	**36.3732**	**3.7285**	**40.1017**						

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	121.9010	0.0102	1.1305	8.0000e-005		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003						
Energy	1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947						
Mobile	55.4467	110.6334	521.1133	2.1564	135.5584	2.8095	138.3678	36.3732	2.5913	38.9646						
Total	**178.4979**	**121.1000**	**531.0273**	**2.2192**	**135.5584**	**3.6082**	**139.1665**	**36.3732**	**3.3900**	**39.7633**						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**10.71**	**3.55**	**0.70**	**1.19**	**0.00**	**8.57**	**0.24**	**0.00**	**9.08**	**0.84**	**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	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 224.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,363,896; Non-Residential Outdoor: 1,454,632 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,415.00	1,008.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	483.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

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						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	**4.8382**	**51.7535**	**39.3970**	**0.0391**	**18.0663**	**2.7542**	**20.8205**	**9.9307**	**2.5339**	**12.4646**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0742	0.0953	1.1888	2 8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	**0.0742**	**0.0953**	**1.1888**	**2.8800e-003**	**0.2299**	**1.5000e-003**	**0.2314**	**0.0610**	**1.3800e-003**	**0.0624**						

3.2 Site Preparation - 2017

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	**4.8382**	**51.7535**	**39.3970**	**0.0391**	**18.0663**	**2.7542**	**20.8205**	**9.9307**	**2.5339**	**12.4646**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0742	0.0953	1.1888	2 8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	**0.0742**	**0.0953**	**1.1888**	**2.8800e-003**	**0.2299**	**1.5000e-003**	**0.2314**	**0.0610**	**1.3800e-003**	**0.0624**						

3.2 Site Preparation - 2018

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						
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762						
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0661	0.0858	1.0655	2 8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						
Total	**0.0661**	**0.0858**	**1.0655**	**2.8800e-003**	**0.2299**	**1.4600e-003**	**0.2314**	**0.0610**	**1.3500e-003**	**0.0623**						

3.2 Site Preparation - 2018

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762						
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0661	0.0858	1.0655	2 8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						
Total	**0.0661**	**0.0858**	**1.0655**	**2.8800e-003**	**0.2299**	**1.4600e-003**	**0.2314**	**0.0610**	**1.3500e-003**	**0.0623**						

3.3 Grading - 2018

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					6.6246	0.0000	6.6246	3.3753	0.0000	3.3753						
Off-Road	5.2895	59 5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	**5.2895**	**59.5338**	**42.3068**	**0.0617**	**6.6246**	**2.7880**	**9.4126**	**3.3753**	**2.5650**	**5.9403**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0734	0.0954	1.1839	3 2000e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	**0.0734**	**0.0954**	**1.1839**	**3.2000e-003**	**0.2555**	**1.6200e-003**	**0.2571**	**0.0678**	**1.5000e-003**	**0.0692**						

3.3 Grading - 2018

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					6.6246	0.0000	6.6246	3.3753	0.0000	3.3753						
Off-Road	5.2895	59 5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	**5.2895**	**59.5338**	**42.3068**	**0.0617**	**6.6246**	**2.7880**	**9.4126**	**3.3753**	**2.5650**	**5.9403**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0734	0.0954	1.1839	3 2000e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	**0.0734**	**0.0954**	**1.1839**	**3.2000e-003**	**0.2555**	**1.6200e-003**	**0.2571**	**0.0678**	**1.5000e-003**	**0.0692**						

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6246	0.0000	6.6246	3.3753	0.0000	3.3753						
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045						
Total	**4.8912**	**54.1978**	**40.2888**	**0.0617**	**6.6246**	**2.5049**	**9.1295**	**3.3753**	**2.3045**	**5.6798**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0666	0.0870	1.0763	3.1800e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692						
Total	**0.0666**	**0.0870**	**1.0763**	**3.1800e-003**	**0.2555**	**1.5800e-003**	**0.2570**	**0.0678**	**1.4600e-003**	**0.0692**						

3.3 Grading - 2019

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					6.6246	0.0000	6.6246	3.3753	0.0000	3.3753						
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045						
Total	**4.8912**	**54.1978**	**40.2888**	**0.0617**	**6.6246**	**2.5049**	**9.1295**	**3.3753**	**2.3045**	**5.6798**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0666	0.0870	1.0763	3.1800e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692						
Total	**0.0666**	**0.0870**	**1.0763**	**3.1800e-003**	**0.2555**	**1.5800e-003**	**0.2570**	**0.0678**	**1.4600e-003**	**0.0692**						

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14 9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						
Paving	0.7570					0.0000	0.0000		0.0000	0.0000						
Total	**2.1828**	**14.9353**	**14.3652**	**0.0223**		**0.8094**	**0.8094**		**0.7447**	**0.7447**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0500	0.0652	0.8072	2 3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						
Total	**0.0500**	**0.0652**	**0.8072**	**2.3900e-003**	**0.1916**	**1.1900e-003**	**0.1928**	**0.0508**	**1.1000e-003**	**0.0519**						

3.4 Paving - 2019

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	1.4259	14 9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						
Paving	0.7570					0.0000	0.0000		0.0000	0.0000						
Total	**2.1828**	**14.9353**	**14.3652**	**0.0223**		**0.8094**	**0.8094**		**0.7447**	**0.7447**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0500	0.0652	0.8072	2 3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						
Total	**0.0500**	**0.0652**	**0.8072**	**2.3900e-003**	**0.1916**	**1.1900e-003**	**0.1928**	**0.0508**	**1.1000e-003**	**0.0519**						

3.4 Paving - 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	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						
Paving	0.7570					0.0000	0.0000		0.0000	0.0000						
Total	**2.0871**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0461	0.0601	0.7441	2 3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						
Total	**0.0461**	**0.0601**	**0.7441**	**2.3900e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**						

3.4 Paving - 2020

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	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						
Paving	0.7570					0.0000	0.0000		0.0000	0.0000						
Total	**2.0871**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0461	0.0601	0.7441	2 3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						
Total	**0.0461**	**0.0601**	**0.7441**	**2.3900e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**						

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**						

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						
Vendor	7.8519	53.0135	92.1755	0.2189	6.1026	0.9262	7.0288	1.7480	0.8519	2.5998						
Worker	7.4244	9.6785	119.7929	0.3843	30.8469	0.1893	31.0362	8.1803	0.1756	8.3558						
Total	**15.2763**	**62.6919**	**211.9684**	**0.6032**	**36.9495**	**1.1155**	**38.0650**	**9.9283**	**1.0274**	**10.9557**						

3.5 Building Construction - 2020

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**						

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						
Vendor	7.8519	53.0135	92.1755	0.2189	6.1026	0.9262	7.0288	1.7480	0.8519	2.5998						
Worker	7.4244	9.6785	119.7929	0.3843	30.8469	0.1893	31.0362	8.1803	0.1756	8.3558						
Total	**15.2763**	**62.6919**	**211.9684**	**0.6032**	**36.9495**	**1.1155**	**38.0650**	**9.9283**	**1.0274**	**10.9557**						

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	1.8931	17 3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	**1.8931**	**17.3403**	**16.5376**	**0.0268**		**0.9549**	**0.9549**		**0.8979**	**0.8979**						

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						
Vendor	7.0478	44.0090	84.0507	0.2185	6.1036	0.8301	6.9337	1.7484	0.7637	2.5121						
Worker	6.9987	9.0436	112.3223	0.3843	30.8469	0.1893	31.0362	8.1803	0.1755	8.3558						
Total	**14.0465**	**53.0526**	**196.3730**	**0.6027**	**36.9505**	**1.0194**	**37.9699**	**9.9287**	**0.9393**	**10.8680**						

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17 3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	**1.8931**	**17.3403**	**16.5376**	**0.0268**		**0.9549**	**0.9549**		**0.8979**	**0.8979**						

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						
Vendor	7.0478	44.0090	84.0507	0.2185	6.1036	0.8301	6.9337	1.7484	0.7637	2.5121						
Worker	6.9987	9.0436	112.3223	0.3843	30.8469	0.1893	31.0362	8.1803	0.1755	8.3558						
Total	**14.0465**	**53.0526**	**196.3730**	**0.6027**	**36.9505**	**1.0194**	**37.9699**	**9.9287**	**0.9393**	**10.8680**						

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15 5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	**1.6992**	**15.5364**	**16.3276**	**0.0268**		**0.8057**	**0.8057**		**0.7581**	**0.7581**						

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						
Vendor	6.7257	39.1712	80.2995	0.2182	6.1047	0.8136	6.9183	1.7489	0.7485	2.4974						
Worker	6.6240	8.4965	105.7468	0.3842	30.8469	0.1897	31.0365	8.1803	0.1759	8.3562						
Total	**13.3498**	**47.6678**	**186.0462**	**0.6025**	**36.9516**	**1.0033**	**37.9548**	**9.9291**	**0.9244**	**10.8536**						

3.5 Building Construction - 2022

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	1.6992	15 5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	**1.6992**	**15.5364**	**16.3276**	**0.0268**		**0.8057**	**0.8057**		**0.7581**	**0.7581**						

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						
Vendor	6.7257	39.1712	80.2995	0.2182	6.1047	0.8136	6.9183	1.7489	0.7485	2.4974						
Worker	6.6240	8.4965	105.7468	0.3842	30.8469	0.1897	31.0365	8.1803	0.1759	8.3562						
Total	**13.3498**	**47.6678**	**186.0462**	**0.6025**	**36.9516**	**1.0033**	**37.9548**	**9.9291**	**0.9244**	**10.8536**						

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14 3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						
Total	**1.5661**	**14.3126**	**16.2093**	**0.0268**		**0.6967**	**0.6967**		**0.6557**	**0.6557**						

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						
Vendor	5.9686	35.0718	73.3625	0.2178	6.1053	0.7628	6.8681	1.7491	0.7018	2.4509						
Worker	6.2746	8.0127	99.7098	0.3842	30.8469	0.1901	31.0369	8.1803	0.1763	8.3566						
Total	**12.2432**	**43.0845**	**173.0723**	**0.6020**	**36.9522**	**0.9528**	**37.9050**	**9.9294**	**0.8781**	**10.8075**						

3.5 Building Construction - 2023

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	1.5661	14 3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						
Total	**1.5661**	**14.3126**	**16.2093**	**0.0268**		**0.6967**	**0.6967**		**0.6557**	**0.6557**						

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						
Vendor	5.9686	35.0718	73.3625	0.2178	6.1053	0.7628	6.8681	1.7491	0.7018	2.4509						
Worker	6.2746	8.0127	99.7098	0.3842	30.8469	0.1901	31.0369	8.1803	0.1763	8.3566						
Total	**12.2432**	**43.0845**	**173.0723**	**0.6020**	**36.9522**	**0.9528**	**37.9050**	**9.9294**	**0.8781**	**10.8075**						

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13 3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						
Total	**1.4653**	**13.3774**	**16.1332**	**0.0268**		**0.6106**	**0.6106**		**0.5744**	**0.5744**						

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						
Vendor	5.8706	34.6793	72.0650	0.2179	6.1066	0.7654	6.8720	1.7496	0.7042	2.4538						
Worker	5.9732	7.6035	94.9057	0.3842	30.8469	0.1908	31.0377	8.1803	0.1770	8.3573						
Total	**11.8439**	**42.2827**	**166.9707**	**0.6020**	**36.9535**	**0.9562**	**37.9097**	**9.9299**	**0.8812**	**10.8111**						

3.5 Building Construction - 2024

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	1.4653	13 3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						
Total	**1.4653**	**13.3774**	**16.1332**	**0.0268**		**0.6106**	**0.6106**		**0.5744**	**0.5744**						

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						
Vendor	5.8706	34.6793	72.0650	0.2179	6.1066	0.7654	6.8720	1.7496	0.7042	2.4538						
Worker	5.9732	7.6035	94.9057	0.3842	30.8469	0.1908	31.0377	8.1803	0.1770	8.3573						
Total	**11.8439**	**42.2827**	**166.9707**	**0.6020**	**36.9535**	**0.9562**	**37.9097**	**9.9299**	**0.8812**	**10.8111**						

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	5.7246	34 2997	69.9459	0.2179	6.1077	0.7670	6.8747	1.7501	0.7057	2.4558						
Worker	5.7187	7.2569	90.9269	0.3841	30.8469	0.1920	31.0389	8.1803	0.1781	8.3584						
Total	**11.4433**	**41.5567**	**160.8728**	**0.6020**	**36.9546**	**0.9590**	**37.9136**	**9.9304**	**0.8838**	**10.8142**						

3.5 Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	5.7246	34 2997	69.9459	0.2179	6.1077	0.7670	6.8747	1.7501	0.7057	2.4558						
Worker	5.7187	7.2569	90.9269	0.3841	30.8469	0.1920	31.0389	8.1803	0.1781	8.3584						
Total	**11.4433**	**41.5567**	**160.8728**	**0.6020**	**36.9546**	**0.9590**	**37.9136**	**9.9304**	**0.8838**	**10.8142**						

3.5 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	5.6748	33 9118	69.1497	0.2179	6.1083	0.7664	6.8747	1.7503	0.7051	2.4554						
Worker	5.4927	6.9648	87.6156	0.3841	30.8469	0.1937	31.0405	8.1803	0.1797	8.3600						
Total	**11.1674**	**40.8766**	**156.7653**	**0.6021**	**36.9552**	**0.9600**	**37.9152**	**9.9306**	**0.8847**	**10.8154**						

3.5 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	5.6748	33 9118	69.1497	0.2179	6.1083	0.7664	6.8747	1.7503	0.7051	2.4554						
Worker	5.4927	6.9648	87.6156	0.3841	30.8469	0.1937	31.0405	8.1803	0.1797	8.3600						
Total	**11.1674**	**40.8766**	**156.7653**	**0.6021**	**36.9552**	**0.9600**	**37.9152**	**9.9306**	**0.8847**	**10.8154**						

3.5 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	5.6988	33.6455	68.8634	0.2180	6.1091	0.7671	6.8762	1.7506	0.7058	2.4564						
Worker	5.2798	6.7032	84.6752	0.3842	30.8469	0.1951	31.0419	8.1803	0.1810	8.3613						
Total	**10.9786**	**40.3487**	**153.5385**	**0.6021**	**36.9560**	**0.9622**	**37.9181**	**9.9309**	**0.8867**	**10.8177**						

3.5 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	5.6988	33.6455	68.8634	0.2180	6.1091	0.7671	6.8762	1.7506	0.7058	2.4564						
Worker	5.2798	6.7032	84.6752	0.3842	30.8469	0.1951	31.0419	8.1803	0.1810	8.3613						
Total	**10.9786**	**40.3487**	**153.5385**	**0.6021**	**36.9560**	**0.9622**	**37.9181**	**9.9309**	**0.8867**	**10.8177**						

3.5 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	5.6946	33 3935	68.4575	0.2180	6.1098	0.7671	6.8769	1.7509	0.7057	2.4566						
Worker	5.0805	6.4635	82.0737	0.3842	30.8469	0.1963	31.0432	8.1803	0.1821	8.3624						
Total	**10.7751**	**39.8569**	**150.5312**	**0.6022**	**36.9567**	**0.9634**	**37.9200**	**9.9312**	**0.8878**	**10.8190**						

3.5 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	5.6946	33 3935	68.4575	0.2180	6.1098	0.7671	6.8769	1.7509	0.7057	2.4566						
Worker	5.0805	6.4635	82.0737	0.3842	30.8469	0.1963	31.0432	8.1803	0.1821	8.3624						
Total	**10.7751**	**39.8569**	**150.5312**	**0.6022**	**36.9567**	**0.9634**	**37.9200**	**9.9312**	**0.8878**	**10.8190**						

3.5 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	5.6945	33.1899	68.1792	0.2181	6.1104	0.7670	6.8774	1.7512	0.7056	2.4568						
Worker	4.8821	6.2317	79.5569	0.3842	30.8469	0.1972	31.0441	8.1803	0.1829	8.3632						
Total	**10.5767**	**39.4217**	**147.7361**	**0.6022**	**36.9573**	**0.9641**	**37.9214**	**9.9315**	**0.8885**	**10.8200**						

3.5 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	5.6945	33.1899	68.1792	0.2181	6.1104	0.7670	6.8774	1.7512	0.7056	2.4568						
Worker	4.8821	6.2317	79.5569	0.3842	30.8469	0.1972	31.0441	8.1803	0.1829	8.3632						
Total	**10.5767**	**39.4217**	**147.7361**	**0.6022**	**36.9573**	**0.9641**	**37.9214**	**9.9315**	**0.8885**	**10.8200**						

3.5 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	5.6074	32 9442	67.4376	0.2181	6.1109	0.7667	6.8775	1.7514	0.7053	2.4567						
Worker	4.6997	6.0288	77.4836	0.3842	30.8469	0.1979	31.0448	8.1803	0.1836	8.3639						
Total	**10.3071**	**38.9730**	**144.9213**	**0.6023**	**36.9577**	**0.9645**	**37.9223**	**9.9316**	**0.8889**	**10.8206**						

3.5 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	5.6074	32 9442	67.4376	0.2181	6.1109	0.7667	6.8775	1.7514	0.7053	2.4567						
Worker	4.6997	6.0288	77.4836	0.3842	30.8469	0.1979	31.0448	8.1803	0.1836	8.3639						
Total	**10.3071**	**38.9730**	**144.9213**	**0.6023**	**36.9577**	**0.9645**	**37.9223**	**9.9316**	**0.8889**	**10.8206**						

3.5 Building Construction - 2031

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	5.6458	32.7986	67.4221	0.2181	6.1116	0.7670	6.8785	1.7517	0.7056	2.4573						
Worker	4.5250	5.8346	75.5629	0.3842	30.8469	0.1982	31.0451	8.1803	0.1839	8.3642						
Total	**10.1708**	**38.6332**	**142.9851**	**0.6023**	**36.9585**	**0.9651**	**37.9236**	**9.9319**	**0.8895**	**10.8214**						

3.5 Building Construction - 2031

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	5.6458	32.7986	67.4221	0.2181	6.1116	0.7670	6.8785	1.7517	0.7056	2.4573						
Worker	4.5250	5.8346	75.5629	0.3842	30.8469	0.1982	31.0451	8.1803	0.1839	8.3642						
Total	**10.1708**	**38.6332**	**142.9851**	**0.6023**	**36.9585**	**0.9651**	**37.9236**	**9.9319**	**0.8895**	**10.8214**						

3.5 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	5.6799	32.6784	67.3909	0.2182	6.1123	0.7672	6.8795	1.7519	0.7059	2.4578						
Worker	4.3632	5.6645	73.9042	0.3842	30.8469	0.1983	31.0452	8.1803	0.1840	8.3643						
Total	**10.0431**	**38.3429**	**141.2951**	**0.6024**	**36.9592**	**0.9656**	**37.9247**	**9.9322**	**0.8899**	**10.8221**						

3.5 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	5.6799	32.6784	67.3909	0.2182	6.1123	0.7672	6.8795	1.7519	0.7059	2.4578						
Worker	4.3632	5.6645	73.9042	0.3842	30.8469	0.1983	31.0452	8.1803	0.1840	8.3643						
Total	**10.0431**	**38.3429**	**141.2951**	**0.6024**	**36.9592**	**0.9656**	**37.9247**	**9.9322**	**0.8899**	**10.8221**						

3.5 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	5.6830	32 5429	67.2724	0.2182	6.1129	0.7673	6.8802	1.7522	0.7059	2.4581						
Worker	4.2206	5.5242	72.5586	0.3842	30.8469	0.1984	31.0453	8.1803	0.1841	8.3644						
Total	**9.9036**	**38.0671**	**139.8310**	**0.6024**	**36.9598**	**0.9657**	**37.9255**	**9.9325**	**0.8900**	**10.8225**						

3.5 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	5.6830	32 5429	67.2724	0.2182	6.1129	0.7673	6.8802	1.7522	0.7059	2.4581						
Worker	4.2206	5.5242	72.5586	0.3842	30.8469	0.1984	31.0453	8.1803	0.1841	8.3644						
Total	**9.9036**	**38.0671**	**139.8310**	**0.6024**	**36.9598**	**0.9657**	**37.9255**	**9.9325**	**0.8900**	**10.8225**						

3.5 Building Construction - 2034

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	5.6791	32.4303	67.2066	0.2182	6.1135	0.7672	6.8806	1.7524	0.7058	2.4582						
Worker	4.0775	5.4060	71.2587	0.3842	30.8469	0.1983	31.0452	8.1803	0.1840	8.3642						
Total	**9.7566**	**37.8363**	**138.4652**	**0.6025**	**36.9604**	**0.9654**	**37.9258**	**9.9327**	**0.8898**	**10.8225**						

3.5 Building Construction - 2034

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	5.6791	32.4303	67.2066	0.2182	6.1135	0.7672	6.8806	1.7524	0.7058	2.4582						
Worker	4.0775	5.4060	71.2587	0.3842	30.8469	0.1983	31.0452	8.1803	0.1840	8.3642						
Total	**9.7566**	**37.8363**	**138.4652**	**0.6025**	**36.9604**	**0.9654**	**37.9258**	**9.9327**	**0.8898**	**10.8225**						

3.5 Building Construction - 2035

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	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						
Total	**1.2123**	**7.1510**	**16.0922**	**0.0308**		**0.0901**	**0.0901**		**0.0901**	**0.0901**						

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						
Vendor	5.6483	32 3262	67.1203	0.2183	6.1139	0.7667	6.8806	1.7526	0.7054	2.4580						
Worker	3.9491	5.3133	70.1258	0.3843	30.8469	0.1981	31.0449	8.1803	0.1838	8.3641						
Total	**9.5974**	**37.6395**	**137.2461**	**0.6025**	**36.9608**	**0.9648**	**37.9256**	**9.9329**	**0.8891**	**10.8220**						

3.5 Building Construction - 2035

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	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						
Total	**1.2123**	**7.1510**	**16.0922**	**0.0308**		**0.0901**	**0.0901**		**0.0901**	**0.0901**						

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						
Vendor	5.6483	32 3262	67.1203	0.2183	6.1139	0.7667	6.8806	1.7526	0.7054	2.4580						
Worker	3.9491	5.3133	70.1258	0.3843	30.8469	0.1981	31.0449	8.1803	0.1838	8.3641						
Total	**9.5974**	**37.6395**	**137.2461**	**0.6025**	**36.9608**	**0.9648**	**37.9256**	**9.9329**	**0.8891**	**10.8220**						

3.6 Architectural Coating - 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					
Archit. Coating	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2 9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	**10.7223**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.4849	1.9357	23.9586	0.0769	6.1694	0.0379	6.2072	1.6361	0.0351	1.6712						
Total	**1.4849**	**1.9357**	**23.9586**	**0.0769**	**6.1694**	**0.0379**	**6.2072**	**1.6361**	**0.0351**	**1.6712**						

3.6 Architectural Coating - 2020

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2 9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	**10.7223**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.4849	1.9357	23.9586	0.0769	6.1694	0.0379	6.2072	1.6361	0.0351	1.6712						
Total	**1.4849**	**1.9357**	**23.9586**	**0.0769**	**6.1694**	**0.0379**	**6.2072**	**1.6361**	**0.0351**	**1.6712**						

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	10.4801					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						
Total	**10.6990**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.3997	1.8087	22.4645	0.0769	6.1694	0.0379	6.2072	1.6361	0.0351	1.6712						
Total	**1.3997**	**1.8087**	**22.4645**	**0.0769**	**6.1694**	**0.0379**	**6.2072**	**1.6361**	**0.0351**	**1.6712**						

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4801					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						
Total	**10.6990**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.3997	1.8087	22.4645	0.0769	6.1694	0.0379	6.2072	1.6361	0.0351	1.6712						
Total	**1.3997**	**1.8087**	**22.4645**	**0.0769**	**6.1694**	**0.0379**	**6.2072**	**1.6361**	**0.0351**	**1.6712**						

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2 9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	**10.6847**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.3248	1.6993	21.1494	0.0769	6.1694	0.0379	6.2073	1.6361	0.0352	1.6712						
Total	**1.3248**	**1.6993**	**21.1494**	**0.0769**	**6.1694**	**0.0379**	**6.2073**	**1.6361**	**0.0352**	**1.6712**						

3.6 Architectural Coating - 2022

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2 9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	**10.6847**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.3248	1.6993	21.1494	0.0769	6.1694	0.0379	6.2073	1.6361	0.0352	1.6712						
Total	**1.3248**	**1.6993**	**21.1494**	**0.0769**	**6.1694**	**0.0379**	**6.2073**	**1.6361**	**0.0352**	**1.6712**						

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1917	1.3030	1.8111	2 9700e-003		0.0708	0.0708		0.0708	0.0708						
Total	**10.6718**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2549	1.6026	19.9420	0.0768	6.1694	0.0380	6.2074	1.6361	0.0353	1.6713						
Total	**1.2549**	**1.6026**	**19.9420**	**0.0768**	**6.1694**	**0.0380**	**6.2074**	**1.6361**	**0.0353**	**1.6713**						

3.6 Architectural Coating - 2023

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1917	1.3030	1.8111	2 9700e-003		0.0708	0.0708		0.0708	0.0708						
Total	**10.6718**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2549	1.6026	19.9420	0.0768	6.1694	0.0380	6.2074	1.6361	0.0353	1.6713						
Total	**1.2549**	**1.6026**	**19.9420**	**0.0768**	**6.1694**	**0.0380**	**6.2074**	**1.6361**	**0.0353**	**1.6713**						

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1808	1.2188	1.8101	2 9700e-003		0.0609	0.0609		0.0609	0.0609						
Total	**10.6609**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1946	1.5207	18.9811	0.0768	6.1694	0.0382	6.2075	1.6361	0.0354	1.6715						
Total	**1.1946**	**1.5207**	**18.9811**	**0.0768**	**6.1694**	**0.0382**	**6.2075**	**1.6361**	**0.0354**	**1.6715**						

3.6 Architectural Coating - 2024

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1808	1.2188	1.8101	2 9700e-003		0.0609	0.0609		0.0609	0.0609						
Total	**10.6609**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1946	1.5207	18.9811	0.0768	6.1694	0.0382	6.2075	1.6361	0.0354	1.6715						
Total	**1.1946**	**1.5207**	**18.9811**	**0.0768**	**6.1694**	**0.0382**	**6.2075**	**1.6361**	**0.0354**	**1.6715**						

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1437	1.4514	18.1854	0.0768	6.1694	0.0384	6.2078	1.6361	0.0356	1.6717						
Total	**1.1437**	**1.4514**	**18.1854**	**0.0768**	**6.1694**	**0.0384**	**6.2078**	**1.6361**	**0.0356**	**1.6717**						

3.6 Architectural Coating - 2025

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1437	1.4514	18.1854	0.0768	6.1694	0.0384	6.2078	1.6361	0.0356	1.6717						
Total	**1.1437**	**1.4514**	**18.1854**	**0.0768**	**6.1694**	**0.0384**	**6.2078**	**1.6361**	**0.0356**	**1.6717**						

3.6 Architectural Coating - 2026

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0985	1.3930	17.5231	0.0768	6.1694	0.0387	6.2081	1.6361	0.0359	1.6720						
Total	**1.0985**	**1.3930**	**17.5231**	**0.0768**	**6.1694**	**0.0387**	**6.2081**	**1.6361**	**0.0359**	**1.6720**						

3.6 Architectural Coating - 2026

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0985	1.3930	17.5231	0.0768	6.1694	0.0387	6.2081	1.6361	0.0359	1.6720						
Total	**1.0985**	**1.3930**	**17.5231**	**0.0768**	**6.1694**	**0.0387**	**6.2081**	**1.6361**	**0.0359**	**1.6720**						

3.6 Architectural Coating - 2027

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0560	1.3406	16.9350	0.0768	6.1694	0.0390	6.2084	1.6361	0.0362	1.6723						
Total	**1.0560**	**1.3406**	**16.9350**	**0.0768**	**6.1694**	**0.0390**	**6.2084**	**1.6361**	**0.0362**	**1.6723**						

3.6 Architectural Coating - 2027

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0560	1.3406	16.9350	0.0768	6.1694	0.0390	6.2084	1.6361	0.0362	1.6723						
Total	**1.0560**	**1.3406**	**16.9350**	**0.0768**	**6.1694**	**0.0390**	**6.2084**	**1.6361**	**0.0362**	**1.6723**						

3.6 Architectural Coating - 2028

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0161	1.2927	16.4147	0.0768	6.1694	0.0393	6.2086	1.6361	0.0364	1.6725						
Total	**1.0161**	**1.2927**	**16.4147**	**0.0768**	**6.1694**	**0.0393**	**6.2086**	**1.6361**	**0.0364**	**1.6725**						

3.6 Architectural Coating - 2028

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0161	1.2927	16.4147	0.0768	6.1694	0.0393	6.2086	1.6361	0.0364	1.6725						
Total	**1.0161**	**1.2927**	**16.4147**	**0.0768**	**6.1694**	**0.0393**	**6.2086**	**1.6361**	**0.0364**	**1.6725**						

3.6 Architectural Coating - 2029

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9764	1.2464	15.9114	0.0768	6.1694	0.0394	6.2088	1.6361	0.0366	1.6727						
Total	**0.9764**	**1.2464**	**15.9114**	**0.0768**	**6.1694**	**0.0394**	**6.2088**	**1.6361**	**0.0366**	**1.6727**						

3.6 Architectural Coating - 2029

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9764	1.2464	15.9114	0.0768	6.1694	0.0394	6.2088	1.6361	0.0366	1.6727						
Total	**0.9764**	**1.2464**	**15.9114**	**0.0768**	**6.1694**	**0.0394**	**6.2088**	**1.6361**	**0.0366**	**1.6727**						

3.6 Architectural Coating - 2030

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9399	1.2058	15.4967	0.0768	6.1694	0.0396	6.2090	1.6361	0.0367	1.6728						
Total	**0.9399**	**1.2058**	**15.4967**	**0.0768**	**6.1694**	**0.0396**	**6.2090**	**1.6361**	**0.0367**	**1.6728**						

3.6 Architectural Coating - 2030

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9399	1.2058	15.4967	0.0768	6.1694	0.0396	6.2090	1.6361	0.0367	1.6728						
Total	**0.9399**	**1.2058**	**15.4967**	**0.0768**	**6.1694**	**0.0396**	**6.2090**	**1.6361**	**0.0367**	**1.6728**						

3.6 Architectural Coating - 2031

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9050	1.1669	15.1126	0.0768	6.1694	0.0396	6.2090	1.6361	0.0368	1.6728						
Total	**0.9050**	**1.1669**	**15.1126**	**0.0768**	**6.1694**	**0.0396**	**6.2090**	**1.6361**	**0.0368**	**1.6728**						

3.6 Architectural Coating - 2031

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9050	1.1669	15.1126	0.0768	6.1694	0.0396	6.2090	1.6361	0.0368	1.6728						
Total	**0.9050**	**1.1669**	**15.1126**	**0.0768**	**6.1694**	**0.0396**	**6.2090**	**1.6361**	**0.0368**	**1.6728**						

3.6 Architectural Coating - 2032

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8726	1.1329	14.7808	0.0768	6.1694	0.0397	6.2090	1.6361	0.0368	1.6729						
Total	**0.8726**	**1.1329**	**14.7808**	**0.0768**	**6.1694**	**0.0397**	**6.2090**	**1.6361**	**0.0368**	**1.6729**						

3.6 Architectural Coating - 2032

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8726	1.1329	14.7808	0.0768	6.1694	0.0397	6.2090	1.6361	0.0368	1.6729						
Total	**0.8726**	**1.1329**	**14.7808**	**0.0768**	**6.1694**	**0.0397**	**6.2090**	**1.6361**	**0.0368**	**1.6729**						

3.6 Architectural Coating - 2033

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8441	1.1048	14.5117	0.0769	6.1694	0.0397	6.2091	1.6361	0.0368	1.6729						
Total	**0.8441**	**1.1048**	**14.5117**	**0.0769**	**6.1694**	**0.0397**	**6.2091**	**1.6361**	**0.0368**	**1.6729**						

3.6 Architectural Coating - 2033

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8441	1.1048	14.5117	0.0769	6.1694	0.0397	6.2091	1.6361	0.0368	1.6729						
Total	**0.8441**	**1.1048**	**14.5117**	**0.0769**	**6.1694**	**0.0397**	**6.2091**	**1.6361**	**0.0368**	**1.6729**						

3.6 Architectural Coating - 2034

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8155	1.0812	14.2517	0.0769	6.1694	0.0397	6.2090	1.6361	0.0368	1.6729						
Total	**0.8155**	**1.0812**	**14.2517**	**0.0769**	**6.1694**	**0.0397**	**6.2090**	**1.6361**	**0.0368**	**1.6729**						

3.6 Architectural Coating - 2034

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8155	1.0812	14.2517	0.0769	6.1694	0.0397	6.2090	1.6361	0.0368	1.6729						
Total	**0.8155**	**1.0812**	**14.2517**	**0.0769**	**6.1694**	**0.0397**	**6.2090**	**1.6361**	**0.0368**	**1.6729**						

3.6 Architectural Coating - 2035

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1179	0.7577	1.7943	2 9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						
Total	**10.5980**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7898	1.0627	14.0252	0.0769	6.1694	0.0396	6.2090	1.6361	0.0368	1.6728						
Total	**0.7898**	**1.0627**	**14.0252**	**0.0769**	**6.1694**	**0.0396**	**6.2090**	**1.6361**	**0.0368**	**1.6728**						

3.6 Architectural Coating - 2035

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1179	0.7577	1.7943	2 9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						
Total	**10.5980**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7898	1.0627	14.0252	0.0769	6.1694	0.0396	6.2090	1.6361	0.0368	1.6728						
Total	**0.7898**	**1.0627**	**14.0252**	**0.0769**	**6.1694**	**0.0396**	**6.2090**	**1.6361**	**0.0368**	**1.6728**						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	55.4467	110.6334	521.1133	2.1564	135.5584	2.8095	138.3678	36.3732	2.5913	38.9646						
Unmitigated	55.4467	110.6334	521.1133	2.1564	135.5584	2.8095	138.3678	36.3732	2.5913	38.9646						

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,367,519	2,367,519
Manufacturing	3,376.88	1,317.16	548.08	10,348,371	10,348,371
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	7,508,999	7,508,999
Regional Shopping Center	1,080.37	1,257.25	635.04	1,889,264	1,889,264
Research & Development	12,246.10	2,869.00	1676.10	27,207,358	27,207,358
Research & Development	372.25	87.21	50.95	827,032	827,032
User Defined Recreational	0.00	0.00	0.00		
Total	22,595.10	11,756.12	6,326.67	50,148,542	50,148,542

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	14.70	6.60	6.60	19.40	61.60	19.00	58	38	4
Manufacturing	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Regional Shopping Center	14.70	6.60	6.60	16.30	64.70	19.00	54	35	11
Regional Shopping Center	14.70	6.60	6.60	16.30	64.70	19.00	54	35	11
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3
User Defined Recreational	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947						
NaturalGas Unmitigated	1.6400	14 9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331						

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					
Manufacturing	47493.8	0.5122	4.6563	3.9113	0.0279		0.3539	0.3539		0.3539	0.3539						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	3367.12	0.0363	0.3301	0.2773	1.9800e-003		0.0251	0.0251		0.0251	0.0251						
Regional Shopping Center	847	9.1300e-003	0.0830	0.0698	5.0000e-004		6.3100e-003	6.3100e-003		6.3100e-003	6.3100e-003						
Research & Development	2466.08	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184						
Research & Development	81126.3	0.8749	7.9536	6.6810	0.0477		0.6045	0.6045		0.6045	0.6045						
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Hotel	16773.6	0.1809	1.6445	1.3814	9.8700e-003		0.1250	0.1250		0.1250	0.1250						
Total		**1.6400**	**14.9092**	**12.5237**	**0.0895**		**1.1331**	**1.1331**		**1.1331**	**1.1331**						

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	33.2893	0.3590	3.2637	2.7415	0.0196		0.2480	0.2480		0.2480	0.2480						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	0.600343	6.4700e-003	0.0589	0.0494	3.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003						
Regional Shopping Center	2.38658	0.0257	0.2340	0.1965	1.4000e-003		0.0178	0.0178		0.0178	0.0178						
Research & Development	1.72852	0.0186	0.1695	0.1424	1.0200e-003		0.0129	0.0129		0.0129	0.0129						
Research & Development	56.8629	0.6132	5.5748	4.6828	0.0335		0.4237	0.4237		0.4237	0.4237						
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Hotel	11.7881	0.1271	1.1557	0.9708	6.9300e-003		0.0878	0.0878		0.0878	0.0878						
Total		**1.1502**	**10.4564**	**8.7834**	**0.0627**		**0.7947**	**0.7947**		**0.7947**	**0.7947**						

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	121.9010	0.0102	1.1305	8.0000e-005		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003						
Unmitigated	142.8263	0.0102	1.1305	8.0000e-005		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003						

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	11.0831					0.0000	0.0000		0.0000	0.0000						
Consumer Products	131.6398					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.1034	0.0102	1.1305	8.0000e-005		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003						
Total	**142.8263**	**0.0102**	**1.1305**	**8.0000e-005**		**4.0100e-003**	**4.0100e-003**		**4.0100e-003**	**4.0100e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						
Consumer Products	121.7976					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.1034	0.0102	1.1305	8.0000e-005		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003						
Total	**121.9010**	**0.0102**	**1.1305**	**8.0000e-005**		**4.0100e-003**	**4.0100e-003**		**4.0100e-003**	**4.0100e-003**						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Vegetation

Mace Ranch Innovation Center-Air Quality

Yolo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Parking Lot	8,356.00	Space	80.30	3,342,400.00	0
Hotel	150.00	Room	5.00	217,800.00	0
User Defined Recreational	64.60	User Defined Unit	64.60	0.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	**Wind Speed (m/s)**	6.8	**Precipitation Freq (Days)**	54
Climate Zone	2			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Reflects land uses disclosed in the DEIR.

Construction Phase - Reflects DEIR CalEEMod output file.

Trips and VMT -

On-road Fugitive Dust - Reflects DEIR CalEEMod output file.

Grading - Reflects DEIR.

Vehicle Trips - Default values used.

Road Dust - Reflects DEIR CalEEMod output files.

Area Mitigation - Reflects DEIR CalEEMod output file.

Energy Mitigation -

Water Mitigation - Reflects DEIR CalEEMod output file.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	0
tblConstructionPhase	NumDays	330.00	3,860.00
tblConstructionPhase	NumDays	4,650.00	3,860.00
tblConstructionPhase	NumDays	465.00	395.00
tblConstructionPhase	NumDays	330.00	280.00
tblConstructionPhase	NumDays	180.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	224.42
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00

tblLandUse	LotAcreage	75.20	80.30
tblLandUse	LotAcreage	0.00	64.60
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9033	51.8729	40.4339	0.0416	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269						
2018	5.3531	59.6532	43.3280	0.0645	18.2962	2.7896	20.6630	9.9917	2.5665	12.1692						
2019	4.9483	54.3066	41.2095	0.0645	6.8801	2.5065	9.3866	3.4430	2.3060	5.7490						
2020	30.6309	91.6584	315.8237	0.6544	43.1189	2.3891	45.5079	11.5643	2.2309	13.7952						
2021	28.7289	79.1827	297.0514	0.6538	43.1199	2.1167	45.2366	11.5648	1.9760	13.5407						
2022	27.5298	71.2654	278.8914	0.6535	43.1209	1.9387	45.0596	11.5652	1.8087	13.3739						
2023	25.7786	64.7776	252.2932	0.6528	43.1216	1.7656	44.8871	11.5655	1.6464	13.2119						
2024	25.2013	62.7025	244.1714	0.6528	43.1228	1.6730	44.7958	11.5660	1.5585	13.1245						
2025	24.5274	60.7183	233.6667	0.6527	43.1240	1.5810	44.7050	11.5665	1.4714	13.0378						
2026	24.2168	59.8535	228.4756	0.6527	43.1246	1.5823	44.7069	11.5667	1.4726	13.0393						
2027	24.0192	59.1717	224.7488	0.6527	43.1253	1.5848	44.7101	11.5670	1.4748	13.0418						
2028	23.8071	58.5362	221.2199	0.6528	43.1260	1.5862	44.7122	11.5673	1.4761	13.0434						
2029	23.6102	57.9667	218.0950	0.6528	43.1267	1.5871	44.7137	11.5675	1.4770	13.0445						
2030	23.2261	52.6114	214.5825	0.6567	43.1271	1.1790	44.3061	11.5677	1.1000	12.6677						
2031	23.1031	52.1616	212.5792	0.6568	43.1278	1.1796	44.3075	11.5680	1.1005	12.6685						
2032	22.9903	51.7771	210.8284	0.6568	43.1286	1.1801	44.3086	11.5683	1.1010	12.6693						
2033	22.8525	51.4188	209.2383	0.6569	43.1292	1.1802	44.3094	11.5686	1.1011	12.6696						
2034	22.7062	51.1207	207.8057	0.6569	43.1297	1.1799	44.3097	11.5688	1.1008	12.6696						

	ROG	NOx	CO	SO2	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					
2035	22.4385	50.0040	206.4631	0.6569	43.1302	1.1112	44.2414	11.5690	1.0322	12.6011						
Total	**410.5716**	**1,140.7592**	**3,900.9055**	**10.6426**	**733.4757**	**32.8663**	**765.9192**	**208.4973**	**30.5355**	**238.6439**						

2.1 Overall Construction (Maximum Daily Emission)

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					
2017	4.9033	51.8729	40.4339	0.0416	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269						
2018	5.3531	59.6532	43.3280	0.0645	18.2962	2.7896	20.6630	9.9917	2.5665	12.1692						
2019	4.9483	54.3066	41.2095	0.0645	6.8801	2.5065	9.3866	3.4430	2.3060	5.7490						
2020	30.6309	91.6584	315.8237	0.6544	43.1189	2.3891	45.5079	11.5643	2.2309	13.7952						
2021	28.7289	79.1827	297.0514	0.6538	43.1199	2.1167	45.2366	11.5648	1.9760	13.5407						
2022	27.5298	71.2654	278.8914	0.6535	43.1209	1.9387	45.0596	11.5652	1.8087	13.3739						
2023	25.7786	64.7776	252.2932	0.6528	43.1216	1.7656	44.8871	11.5655	1.6464	13.2119						
2024	25.2013	62.7025	244.1714	0.6528	43.1228	1.6730	44.7958	11.5660	1.5585	13.1245						
2025	24.5274	60.7183	233.6667	0.6527	43.1240	1.5810	44.7050	11.5665	1.4714	13.0378						
2026	24.2168	59.8535	228.4756	0.6527	43.1246	1.5823	44.7069	11.5667	1.4726	13.0393						
2027	24.0192	59.1717	224.7488	0.6527	43.1253	1.5848	44.7101	11.5670	1.4748	13.0418						

	ROG	NOx	CO	SO2	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					
2028	23.8071	58.5362	221.2199	0.6528	43.1260	1.5862	44.7122	11.5673	1.4761	13.0434						
2029	23.6102	57.9667	218.0950	0.6528	43.1267	1.5871	44.7137	11.5675	1.4770	13.0445						
2030	23.2261	52.6114	214.5825	0.6567	43.1271	1.1790	44.3061	11.5677	1.1000	12.6677						
2031	23.1031	52.1616	212.5792	0.6568	43.1278	1.1796	44.3075	11.5680	1.1005	12.6685						
2032	22.9903	51.7771	210.8284	0.6568	43.1286	1.1801	44.3086	11.5683	1.1010	12.6693						
2033	22.8525	51.4188	209.2383	0.6569	43.1292	1.1802	44.3094	11.5686	1.1011	12.6696						
2034	22.7062	51.1207	207.8057	0.6569	43.1297	1.1799	44.3097	11.5688	1.1008	12.6696						
2035	22.4385	50.0040	206.4631	0.6569	43.1302	1.1112	44.2414	11.5690	1.0322	12.6011						
Total	**410.5716**	**1,140.7592**	**3,900.9055**	**10.6426**	**733.4757**	**32.8663**	**765.9192**	**208.4973**	**30.5355**	**238.6439**						

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	142.8263	0.0102	1.1305	8.0000e-005		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003						
Energy	1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331						
Mobile	52.7742	122.8908	606.9930	1 9794	135.5584	2.8226	138.3809	36.3732	2.6034	38.9766						
Total	**197.2405**	**137.8102**	**620.6473**	**2.0689**	**135.5584**	**3.9597**	**139.5180**	**36.3732**	**3.7405**	**40.1137**						

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	121.9010	0.0102	1.1305	8.0000e-005		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003						
Energy	1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947						
Mobile	52.7742	122.8908	606.9930	1 9794	135.5584	2.8226	138.3809	36.3732	2.6034	38.9766						
Total	**175.8254**	**133.3574**	**616.9069**	**2.0422**	**135.5584**	**3.6213**	**139.1796**	**36.3732**	**3.4021**	**39.7753**						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	10.86	3.23	0.60	1.29	0.00	8.55	0.24	0.00	9.05	0.84	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	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 224.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,363,896; Non-Residential Outdoor: 1,454,632 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,415.00	1,008.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	483.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

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						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	**4.8382**	**51.7535**	**39.3970**	**0.0391**	**18.0663**	**2.7542**	**20.8205**	**9.9307**	**2.5339**	**12.4646**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0651	0.1195	1.0368	2 5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	**0.0651**	**0.1195**	**1.0368**	**2.5400e-003**	**0.2299**	**1.5000e-003**	**0.2314**	**0.0610**	**1.3800e-003**	**0.0624**						

3.2 Site Preparation - 2017

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	**4.8382**	**51.7535**	**39.3970**	**0.0391**	**18.0663**	**2.7542**	**20.8205**	**9.9307**	**2.5339**	**12.4646**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0651	0.1195	1.0368	2 5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	**0.0651**	**0.1195**	**1.0368**	**2.5400e-003**	**0.2299**	**1.5000e-003**	**0.2314**	**0.0610**	**1.3800e-003**	**0.0624**						

3.2 Site Preparation - 2018

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						
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762						
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0572	0.1074	0.9191	2 5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						
Total	**0.0572**	**0.1074**	**0.9191**	**2.5300e-003**	**0.2299**	**1.4600e-003**	**0.2314**	**0.0610**	**1.3500e-003**	**0.0623**						

3.2 Site Preparation - 2018

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762						
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0572	0.1074	0.9191	2 5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						
Total	**0.0572**	**0.1074**	**0.9191**	**2.5300e-003**	**0.2299**	**1.4600e-003**	**0.2314**	**0.0610**	**1.3500e-003**	**0.0623**						

3.3 Grading - 2018

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					6.6246	0.0000	6.6246	3.3753	0.0000	3.3753						
Off-Road	5.2895	59 5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	**5.2895**	**59.5338**	**42.3068**	**0.0617**	**6.6246**	**2.7880**	**9.4126**	**3.3753**	**2.5650**	**5.9403**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0635	0.1194	1.0212	2 8200e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	**0.0635**	**0.1194**	**1.0212**	**2.8200e-003**	**0.2555**	**1.6200e-003**	**0.2571**	**0.0678**	**1.5000e-003**	**0.0692**						

3.3 Grading - 2018

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					6.6246	0.0000	6.6246	3.3753	0.0000	3.3753						
Off-Road	5.2895	59 5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	**5.2895**	**59.5338**	**42.3068**	**0.0617**	**6.6246**	**2.7880**	**9.4126**	**3.3753**	**2.5650**	**5.9403**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0635	0.1194	1.0212	2 8200e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	**0.0635**	**0.1194**	**1.0212**	**2.8200e-003**	**0.2555**	**1.6200e-003**	**0.2571**	**0.0678**	**1.5000e-003**	**0.0692**						

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6246	0.0000	6.6246	3.3753	0.0000	3.3753						
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045						
Total	**4.8912**	**54.1978**	**40.2888**	**0.0617**	**6.6246**	**2.5049**	**9.1295**	**3.3753**	**2.3045**	**5.6798**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0571	0.1088	0.9206	2 8000e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692						
Total	**0.0571**	**0.1088**	**0.9206**	**2.8000e-003**	**0.2555**	**1.5800e-003**	**0.2570**	**0.0678**	**1.4600e-003**	**0.0692**						

3.3 Grading - 2019

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					6.6246	0.0000	6.6246	3.3753	0.0000	3.3753						
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045						
Total	**4.8912**	**54.1978**	**40.2888**	**0.0617**	**6.6246**	**2.5049**	**9.1295**	**3.3753**	**2.3045**	**5.6798**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0571	0.1088	0.9206	2 8000e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692						
Total	**0.0571**	**0.1088**	**0.9206**	**2.8000e-003**	**0.2555**	**1.5800e-003**	**0.2570**	**0.0678**	**1.4600e-003**	**0.0692**						

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14 9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						
Paving	0.7570					0.0000	0.0000		0.0000	0.0000						
Total	**2.1828**	**14.9353**	**14.3652**	**0.0223**		**0.8094**	**0.8094**		**0.7447**	**0.7447**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						
Total	**0.0428**	**0.0816**	**0.6905**	**2.1000e-003**	**0.1916**	**1.1900e-003**	**0.1928**	**0.0508**	**1.1000e-003**	**0.0519**						

3.4 Paving - 2019

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	1.4259	14 9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						
Paving	0.7570					0.0000	0.0000		0.0000	0.0000						
Total	**2.1828**	**14.9353**	**14.3652**	**0.0223**		**0.8094**	**0.8094**		**0.7447**	**0.7447**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						
Total	**0.0428**	**0.0816**	**0.6905**	**2.1000e-003**	**0.1916**	**1.1900e-003**	**0.1928**	**0.0508**	**1.1000e-003**	**0.0519**						

3.4 Paving - 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	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						
Paving	0.7570					0.0000	0.0000		0.0000	0.0000						
Total	**2.0871**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						
Total	**0.0394**	**0.0751**	**0.6324**	**2.1000e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**						

3.4 Paving - 2020

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	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						
Paving	0.7570					0.0000	0.0000		0.0000	0.0000						
Total	**2.0871**	**13.7845**	**14.3523**	**0.0223**		**0.7390**	**0.7390**		**0.6799**	**0.6799**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						
Total	**0.0394**	**0.0751**	**0.6324**	**2.1000e-003**	**0.1916**	**1.1800e-003**	**0.1928**	**0.0508**	**1.0900e-003**	**0.0519**						

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**						

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						
Vendor	10.1893	56 3807	175.0031	0.2184	6.1026	0.9381	7.0407	1.7480	0.8628	2.6108						
Worker	6.3400	12.0915	101.8173	0.3385	30.8469	0.1893	31.0362	8.1803	0.1756	8.3558						
Total	**16.5294**	**68.4723**	**276.8204**	**0.5569**	**36.9495**	**1.1275**	**38.0769**	**9.9283**	**1.0384**	**10.9667**						

3.5 Building Construction - 2020

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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	**2.1113**	**19.0839**	**16.8084**	**0.0268**		**1.1128**	**1.1128**		**1.0465**	**1.0465**						

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						
Vendor	10.1893	56 3807	175.0031	0.2184	6.1026	0.9381	7.0407	1.7480	0.8628	2.6108						
Worker	6.3400	12.0915	101.8173	0.3385	30.8469	0.1893	31.0362	8.1803	0.1756	8.3558						
Total	**16.5294**	**68.4723**	**276.8204**	**0.5569**	**36.9495**	**1.1275**	**38.0769**	**9.9283**	**1.0384**	**10.9667**						

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	1.8931	17 3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	**1.8931**	**17.3403**	**16.5376**	**0.0268**		**0.9549**	**0.9549**		**0.8979**	**0.8979**						

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						
Vendor	8.9692	46.7710	164.6069	0.2179	6.1036	0.8406	6.9442	1.7484	0.7734	2.5218						
Worker	5.9730	11 2871	95.0744	0.3385	30.8469	0.1893	31.0362	8.1803	0.1755	8.3558						
Total	**14.9422**	**58.0582**	**259.6814**	**0.5564**	**36.9505**	**1.0299**	**37.9804**	**9.9287**	**0.9489**	**10.8776**						

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17 3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	**1.8931**	**17.3403**	**16.5376**	**0.0268**		**0.9549**	**0.9549**		**0.8979**	**0.8979**						

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						
Vendor	8.9692	46.7710	164.6069	0.2179	6.1036	0.8406	6.9442	1.7484	0.7734	2.5218						
Worker	5.9730	11 2871	95.0744	0.3385	30.8469	0.1893	31.0362	8.1803	0.1755	8.3558						
Total	**14.9422**	**58.0582**	**259.6814**	**0.5564**	**36.9505**	**1.0299**	**37.9804**	**9.9287**	**0.9489**	**10.8776**						

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15 5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	**1.6992**	**15.5364**	**16.3276**	**0.0268**		**0.8057**	**0.8057**		**0.7581**	**0.7581**						

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						
Vendor	8.3647	41.6082	153.7764	0.2175	6.1047	0.8236	6.9283	1.7489	0.7578	2.5066						
Worker	5.6511	10 5936	89.1449	0.3385	30.8469	0.1897	31.0365	8.1803	0.1759	8.3562						
Total	**14.0157**	**52.2018**	**242.9212**	**0.5560**	**36.9516**	**1.0133**	**37.9649**	**9.9291**	**0.9337**	**10.8628**						

3.5 Building Construction - 2022

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	1.6992	15 5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	**1.6992**	**15.5364**	**16.3276**	**0.0268**		**0.8057**	**0.8057**		**0.7581**	**0.7581**						

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						
Vendor	8.3647	41.6082	153.7764	0.2175	6.1047	0.8236	6.9283	1.7489	0.7578	2.5066						
Worker	5.6511	10 5936	89.1449	0.3385	30.8469	0.1897	31.0365	8.1803	0.1759	8.3562						
Total	**14.0157**	**52.2018**	**242.9212**	**0.5560**	**36.9516**	**1.0133**	**37.9649**	**9.9291**	**0.9337**	**10.8628**						

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14 3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						
Total	**1.5661**	**14.3126**	**16.2093**	**0.0268**		**0.6967**	**0.6967**		**0.6557**	**0.6557**						

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						
Vendor	7.1174	37.1878	133.8347	0.2169	6.1053	0.7700	6.8753	1.7491	0.7084	2.4575						
Worker	5.3528	9.9784	83.6984	0.3384	30.8469	0.1901	31.0369	8.1803	0.1763	8.3566						
Total	**12.4701**	**47.1663**	**217.5331**	**0.5553**	**36.9522**	**0.9600**	**37.9122**	**9.9294**	**0.8847**	**10.8141**						

3.5 Building Construction - 2023

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	1.5661	14 3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						
Total	**1.5661**	**14.3126**	**16.2093**	**0.0268**		**0.6967**	**0.6967**		**0.6557**	**0.6557**						

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						
Vendor	7.1174	37.1878	133.8347	0.2169	6.1053	0.7700	6.8753	1.7491	0.7084	2.4575						
Worker	5.3528	9.9784	83.6984	0.3384	30.8469	0.1901	31.0369	8.1803	0.1763	8.3566						
Total	**12.4701**	**47.1663**	**217.5331**	**0.5553**	**36.9522**	**0.9600**	**37.9122**	**9.9294**	**0.8847**	**10.8141**						

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13 3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						
Total	**1.4653**	**13.3774**	**16.1332**	**0.0268**		**0.6106**	**0.6106**		**0.5744**	**0.5744**						

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						
Vendor	6.9588	36.7557	130.9634	0.2169	6.1066	0.7726	6.8791	1.7496	0.7108	2.4604						
Worker	5.0969	9.4589	79.3872	0.3384	30.8469	0.1908	31.0377	8.1803	0.1770	8.3573						
Total	**12.0558**	**46.2146**	**210.3506**	**0.5553**	**36.9535**	**0.9634**	**37.9168**	**9.9299**	**0.8878**	**10.8177**						

3.5 Building Construction - 2024

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	1.4653	13 3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						
Total	**1.4653**	**13.3774**	**16.1332**	**0.0268**		**0.6106**	**0.6106**		**0.5744**	**0.5744**						

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						
Vendor	6.9588	36.7557	130.9634	0.2169	6.1066	0.7726	6.8791	1.7496	0.7108	2.4604						
Worker	5.0969	9.4589	79.3872	0.3384	30.8469	0.1908	31.0377	8.1803	0.1770	8.3573						
Total	**12.0558**	**46.2146**	**210.3506**	**0.5553**	**36.9535**	**0.9634**	**37.9168**	**9.9299**	**0.8878**	**10.8177**						

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	6.6573	36 3392	124.8194	0.2169	6.1077	0.7741	6.8818	1.7501	0.7122	2.4623						
Worker	4.8813	9.0199	75.8221	0.3383	30.8469	0.1920	31.0389	8.1803	0.1781	8.3584						
Total	**11.5386**	**45.3591**	**200.6414**	**0.5552**	**36.9546**	**0.9661**	**37.9207**	**9.9304**	**0.8903**	**10.8207**						

3.5 Building Construction - 2025

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	6.6573	36 3392	124.8194	0.2169	6.1077	0.7741	6.8818	1.7501	0.7122	2.4623						
Worker	4.8813	9.0199	75.8221	0.3383	30.8469	0.1920	31.0389	8.1803	0.1781	8.3584						
Total	**11.5386**	**45.3591**	**200.6414**	**0.5552**	**36.9546**	**0.9661**	**37.9207**	**9.9304**	**0.8903**	**10.8207**						

3.5 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	6.5741	35 9176	123.1826	0.2169	6.1083	0.7735	6.8818	1.7503	0.7116	2.4619						
Worker	4.6919	8.6507	72.8600	0.3383	30.8469	0.1937	31.0405	8.1803	0.1797	8.3600						
Total	**11.2659**	**44.5682**	**196.0427**	**0.5552**	**36.9552**	**0.9671**	**37.9223**	**9.9306**	**0.8913**	**10.8219**						

3.5 Building Construction - 2026

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	6.5741	35 9176	123.1826	0.2169	6.1083	0.7735	6.8818	1.7503	0.7116	2.4619						
Worker	4.6919	8.6507	72.8600	0.3383	30.8469	0.1937	31.0405	8.1803	0.1797	8.3600						
Total	**11.2659**	**44.5682**	**196.0427**	**0.5552**	**36.9552**	**0.9671**	**37.9223**	**9.9306**	**0.8913**	**10.8219**						

3.5 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	6.5892	35.6324	122.6084	0.2170	6.1091	0.7742	6.8833	1.7506	0.7123	2.4629						
Worker	4.5146	8.3201	70.2329	0.3383	30.8469	0.1951	31.0419	8.1803	0.1810	8.3613						
Total	**11.1038**	**43.9525**	**192.8413**	**0.5553**	**36.9560**	**0.9692**	**37.9252**	**9.9309**	**0.8932**	**10.8242**						

3.5 Building Construction - 2027

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	6.5892	35.6324	122.6084	0.2170	6.1091	0.7742	6.8833	1.7506	0.7123	2.4629						
Worker	4.5146	8.3201	70.2329	0.3383	30.8469	0.1951	31.0419	8.1803	0.1810	8.3613						
Total	**11.1038**	**43.9525**	**192.8413**	**0.5553**	**36.9560**	**0.9692**	**37.9252**	**9.9309**	**0.8932**	**10.8242**						

3.5 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	6.5726	35 3607	121.8598	0.2170	6.1098	0.7741	6.8839	1.7509	0.7122	2.4631						
Worker	4.3517	8.0170	67.9160	0.3383	30.8469	0.1963	31.0432	8.1803	0.1821	8.3624						
Total	**10.9243**	**43.3776**	**189.7758**	**0.5553**	**36.9567**	**0.9704**	**37.9271**	**9.9312**	**0.8943**	**10.8255**						

3.5 Building Construction - 2028

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	6.5726	35 3607	121.8598	0.2170	6.1098	0.7741	6.8839	1.7509	0.7122	2.4631						
Worker	4.3517	8.0170	67.9160	0.3383	30.8469	0.1963	31.0432	8.1803	0.1821	8.3624						
Total	**10.9243**	**43.3776**	**189.7758**	**0.5553**	**36.9567**	**0.9704**	**37.9271**	**9.9312**	**0.8943**	**10.8255**						

3.5 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	6.5672	35.1430	121.4182	0.2170	6.1104	0.7740	6.8844	1.7512	0.7121	2.4632						
Worker	4.1921	7.7237	65.6799	0.3383	30.8469	0.1972	31.0441	8.1803	0.1829	8.3632						
Total	**10.7594**	**42.8668**	**187.0981**	**0.5553**	**36.9573**	**0.9711**	**37.9284**	**9.9315**	**0.8950**	**10.8265**						

3.5 Building Construction - 2029

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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	**1.3615**	**12.4097**	**16.0518**	**0.0269**		**0.5250**	**0.5250**		**0.4939**	**0.4939**						

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						
Vendor	6.5672	35.1430	121.4182	0.2170	6.1104	0.7740	6.8844	1.7512	0.7121	2.4632						
Worker	4.1921	7.7237	65.6799	0.3383	30.8469	0.1972	31.0441	8.1803	0.1829	8.3632						
Total	**10.7594**	**42.8668**	**187.0981**	**0.5553**	**36.9573**	**0.9711**	**37.9284**	**9.9315**	**0.8950**	**10.8265**						

3.5 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	6.4538	34 8764	120.0495	0.2170	6.1109	0.7737	6.8845	1.7514	0.7118	2.4631						
Worker	4.0478	7.4674	63.8367	0.3383	30.8469	0.1979	31.0448	8.1803	0.1836	8.3639						
Total	**10.5016**	**42.3438**	**183.8862**	**0.5553**	**36.9577**	**0.9715**	**37.9293**	**9.9316**	**0.8954**	**10.8270**						

3.5 Building Construction - 2030

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	6.4538	34 8764	120.0495	0.2170	6.1109	0.7737	6.8845	1.7514	0.7118	2.4631						
Worker	4.0478	7.4674	63.8367	0.3383	30.8469	0.1979	31.0448	8.1803	0.1836	8.3639						
Total	**10.5016**	**42.3438**	**183.8862**	**0.5553**	**36.9577**	**0.9715**	**37.9293**	**9.9316**	**0.8954**	**10.8270**						

3.5 Building Construction - 2031

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	6.4949	34.7216	120.1022	0.2171	6.1116	0.7739	6.8855	1.7517	0.7120	2.4636						
Worker	3.9110	7.2216	62.1233	0.3383	30.8469	0.1982	31.0451	8.1803	0.1839	8.3642						
Total	**10.4059**	**41.9432**	**182.2255**	**0.5553**	**36.9585**	**0.9721**	**37.9305**	**9.9319**	**0.8959**	**10.8278**						

3.5 Building Construction - 2031

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	6.4949	34.7216	120.1022	0.2171	6.1116	0.7739	6.8855	1.7517	0.7120	2.4636						
Worker	3.9110	7.2216	62.1233	0.3383	30.8469	0.1982	31.0451	8.1803	0.1839	8.3642						
Total	**10.4059**	**41.9432**	**182.2255**	**0.5553**	**36.9585**	**0.9721**	**37.9305**	**9.9319**	**0.8959**	**10.8278**						

3.5 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	6.5317	34 5949	120.1244	0.2171	6.1123	0.7742	6.8865	1.7519	0.7122	2.4642						
Worker	3.7863	7.0067	60.6458	0.3383	30.8469	0.1983	31.0452	8.1803	0.1840	8.3643						
Total	**10.3180**	**41.6016**	**180.7702**	**0.5554**	**36.9592**	**0.9725**	**37.9317**	**9.9322**	**0.8962**	**10.8285**						

3.5 Building Construction - 2032

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	6.5317	34 5949	120.1244	0.2171	6.1123	0.7742	6.8865	1.7519	0.7122	2.4642						
Worker	3.7863	7.0067	60.6458	0.3383	30.8469	0.1983	31.0452	8.1803	0.1840	8.3643						
Total	**10.3180**	**41.6016**	**180.7702**	**0.5554**	**36.9592**	**0.9725**	**37.9317**	**9.9322**	**0.8962**	**10.8285**						

3.5 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	6.5332	34.4486	119.9729	0.2171	6.1129	0.7742	6.8871	1.7522	0.7123	2.4645						
Worker	3.6703	6.8300	59.4470	0.3383	30.8469	0.1984	31.0453	8.1803	0.1841	8.3644						
Total	**10.2034**	**41.2786**	**179.4199**	**0.5554**	**36.9598**	**0.9726**	**37.9324**	**9.9325**	**0.8963**	**10.8288**						

3.5 Building Construction - 2033

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	6.5332	34.4486	119.9729	0.2171	6.1129	0.7742	6.8871	1.7522	0.7123	2.4645						
Worker	3.6703	6.8300	59.4470	0.3383	30.8469	0.1984	31.0453	8.1803	0.1841	8.3644						
Total	**10.2034**	**41.2786**	**179.4199**	**0.5554**	**36.9598**	**0.9726**	**37.9324**	**9.9325**	**0.8963**	**10.8288**						

3.5 Building Construction - 2034

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	6.5278	34 3287	119.9182	0.2172	6.1135	0.7741	6.8876	1.7524	0.7122	2.4646						
Worker	3.5528	6.6815	58.2986	0.3383	30.8469	0.1983	31.0452	8.1803	0.1840	8.3642						
Total	**10.0806**	**41.0102**	**178.2169**	**0.5555**	**36.9604**	**0.9723**	**37.9327**	**9.9327**	**0.8961**	**10.8288**						

3.5 Building Construction - 2034

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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	**1.3041**	**7.9179**	**16.1313**	**0.0308**		**0.1476**	**0.1476**		**0.1476**	**0.1476**						

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						
Vendor	6.5278	34 3287	119.9182	0.2172	6.1135	0.7741	6.8876	1.7524	0.7122	2.4646						
Worker	3.5528	6.6815	58.2986	0.3383	30.8469	0.1983	31.0452	8.1803	0.1840	8.3642						
Total	**10.0806**	**41.0102**	**178.2169**	**0.5555**	**36.9604**	**0.9723**	**37.9327**	**9.9327**	**0.8961**	**10.8288**						

3.5 Building Construction - 2035

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	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						
Total	**1.2123**	**7.1510**	**16.0922**	**0.0308**		**0.0901**	**0.0901**		**0.0901**	**0.0901**						

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						
Vendor	6.4898	34 2167	119.8132	0.2172	6.1139	0.7736	6.8875	1.7526	0.7117	2.4643						
Worker	3.4487	6.5655	57.3029	0.3383	30.8469	0.1981	31.0449	8.1803	0.1838	8.3641						
Total	**9.9385**	**40.7822**	**177.1161**	**0.5555**	**36.9608**	**0.9717**	**37.9325**	**9.9329**	**0.8955**	**10.8284**						

3.5 Building Construction - 2035

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	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						
Total	**1.2123**	**7.1510**	**16.0922**	**0.0308**		**0.0901**	**0.0901**		**0.0901**	**0.0901**						

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						
Vendor	6.4898	34 2167	119.8132	0.2172	6.1139	0.7736	6.8875	1.7526	0.7117	2.4643						
Worker	3.4487	6.5655	57.3029	0.3383	30.8469	0.1981	31.0449	8.1803	0.1838	8.3641						
Total	**9.9385**	**40.7822**	**177.1161**	**0.5555**	**36.9608**	**0.9717**	**37.9325**	**9.9329**	**0.8955**	**10.8284**						

3.6 Architectural Coating - 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					
Archit. Coating	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2 9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	**10.7223**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2680	2.4183	20.3635	0.0677	6.1694	0.0379	6.2072	1.6361	0.0351	1.6712						
Total	**1.2680**	**2.4183**	**20.3635**	**0.0677**	**6.1694**	**0.0379**	**6.2072**	**1.6361**	**0.0351**	**1.6712**						

3.6 Architectural Coating - 2020

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2 9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	**10.7223**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2680	2.4183	20.3635	0.0677	6.1694	0.0379	6.2072	1.6361	0.0351	1.6712						
Total	**1.2680**	**2.4183**	**20.3635**	**0.0677**	**6.1694**	**0.0379**	**6.2072**	**1.6361**	**0.0351**	**1.6712**						

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	10.4801					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						
Total	**10.6990**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1946	2.2574	19.0149	0.0677	6.1694	0.0379	6.2072	1.6361	0.0351	1.6712						
Total	**1.1946**	**2.2574**	**19.0149**	**0.0677**	**6.1694**	**0.0379**	**6.2072**	**1.6361**	**0.0351**	**1.6712**						

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4801					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						
Total	**10.6990**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1946	2.2574	19.0149	0.0677	6.1694	0.0379	6.2072	1.6361	0.0351	1.6712						
Total	**1.1946**	**2.2574**	**19.0149**	**0.0677**	**6.1694**	**0.0379**	**6.2072**	**1.6361**	**0.0351**	**1.6712**						

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2 9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	**10.6847**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1302	2.1187	17.8290	0.0677	6.1694	0.0379	6.2073	1.6361	0.0352	1.6712						
Total	**1.1302**	**2.1187**	**17.8290**	**0.0677**	**6.1694**	**0.0379**	**6.2073**	**1.6361**	**0.0352**	**1.6712**						

3.6 Architectural Coating - 2022

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2 9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	**10.6847**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1302	2.1187	17.8290	0.0677	6.1694	0.0379	6.2073	1.6361	0.0352	1.6712						
Total	**1.1302**	**2.1187**	**17.8290**	**0.0677**	**6.1694**	**0.0379**	**6.2073**	**1.6361**	**0.0352**	**1.6712**						

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1917	1.3030	1.8111	2 9700e-003		0.0708	0.0708		0.0708	0.0708						
Total	**10.6718**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0706	1.9957	16.7397	0.0677	6.1694	0.0380	6.2074	1.6361	0.0353	1.6713						
Total	**1.0706**	**1.9957**	**16.7397**	**0.0677**	**6.1694**	**0.0380**	**6.2074**	**1.6361**	**0.0353**	**1.6713**						

3.6 Architectural Coating - 2023

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1917	1.3030	1.8111	2 9700e-003		0.0708	0.0708		0.0708	0.0708						
Total	**10.6718**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0706	1.9957	16.7397	0.0677	6.1694	0.0380	6.2074	1.6361	0.0353	1.6713						
Total	**1.0706**	**1.9957**	**16.7397**	**0.0677**	**6.1694**	**0.0380**	**6.2074**	**1.6361**	**0.0353**	**1.6713**						

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1808	1.2188	1.8101	2 9700e-003		0.0609	0.0609		0.0609	0.0609						
Total	**10.6609**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0194	1.8918	15.8775	0.0677	6.1694	0.0382	6.2075	1.6361	0.0354	1.6715						
Total	**1.0194**	**1.8918**	**15.8775**	**0.0677**	**6.1694**	**0.0382**	**6.2075**	**1.6361**	**0.0354**	**1.6715**						

3.6 Architectural Coating - 2024

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1808	1.2188	1.8101	2 9700e-003		0.0609	0.0609		0.0609	0.0609						
Total	**10.6609**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0194	1.8918	15.8775	0.0677	6.1694	0.0382	6.2075	1.6361	0.0354	1.6715						
Total	**1.0194**	**1.8918**	**15.8775**	**0.0677**	**6.1694**	**0.0382**	**6.2075**	**1.6361**	**0.0354**	**1.6715**						

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9763	1.8040	15.1644	0.0677	6.1694	0.0384	6.2078	1.6361	0.0356	1.6717						
Total	**0.9763**	**1.8040**	**15.1644**	**0.0677**	**6.1694**	**0.0384**	**6.2078**	**1.6361**	**0.0356**	**1.6717**						

3.6 Architectural Coating - 2025

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9763	1.8040	15.1644	0.0677	6.1694	0.0384	6.2078	1.6361	0.0356	1.6717						
Total	**0.9763**	**1.8040**	**15.1644**	**0.0677**	**6.1694**	**0.0384**	**6.2078**	**1.6361**	**0.0356**	**1.6717**						

3.6 Architectural Coating - 2026

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9384	1.7301	14.5720	0.0677	6.1694	0.0387	6.2081	1.6361	0.0359	1.6720						
Total	**0.9384**	**1.7301**	**14.5720**	**0.0677**	**6.1694**	**0.0387**	**6.2081**	**1.6361**	**0.0359**	**1.6720**						

3.6 Architectural Coating - 2026

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9384	1.7301	14.5720	0.0677	6.1694	0.0387	6.2081	1.6361	0.0359	1.6720						
Total	**0.9384**	**1.7301**	**14.5720**	**0.0677**	**6.1694**	**0.0387**	**6.2081**	**1.6361**	**0.0359**	**1.6720**						

3.6 Architectural Coating - 2027

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9029	1.6640	14.0466	0.0677	6.1694	0.0390	6.2084	1.6361	0.0362	1.6723						
Total	**0.9029**	**1.6640**	**14.0466**	**0.0677**	**6.1694**	**0.0390**	**6.2084**	**1.6361**	**0.0362**	**1.6723**						

3.6 Architectural Coating - 2027

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9029	1.6640	14.0466	0.0677	6.1694	0.0390	6.2084	1.6361	0.0362	1.6723						
Total	**0.9029**	**1.6640**	**14.0466**	**0.0677**	**6.1694**	**0.0390**	**6.2084**	**1.6361**	**0.0362**	**1.6723**						

3.6 Architectural Coating - 2028

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8703	1.6034	13.5832	0.0677	6.1694	0.0393	6.2086	1.6361	0.0364	1.6725						
Total	**0.8703**	**1.6034**	**13.5832**	**0.0677**	**6.1694**	**0.0393**	**6.2086**	**1.6361**	**0.0364**	**1.6725**						

3.6 Architectural Coating - 2028

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8703	1.6034	13.5832	0.0677	6.1694	0.0393	6.2086	1.6361	0.0364	1.6725						
Total	**0.8703**	**1.6034**	**13.5832**	**0.0677**	**6.1694**	**0.0393**	**6.2086**	**1.6361**	**0.0364**	**1.6725**						

3.6 Architectural Coating - 2029

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8384	1.5448	13.1360	0.0677	6.1694	0.0394	6.2088	1.6361	0.0366	1.6727						
Total	**0.8384**	**1.5448**	**13.1360**	**0.0677**	**6.1694**	**0.0394**	**6.2088**	**1.6361**	**0.0366**	**1.6727**						

3.6 Architectural Coating - 2029

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2 9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	**10.6510**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8384	1.5448	13.1360	0.0677	6.1694	0.0394	6.2088	1.6361	0.0366	1.6727						
Total	**0.8384**	**1.5448**	**13.1360**	**0.0677**	**6.1694**	**0.0394**	**6.2088**	**1.6361**	**0.0366**	**1.6727**						

3.6 Architectural Coating - 2030

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8096	1.4935	12.7673	0.0677	6.1694	0.0396	6.2090	1.6361	0.0367	1.6728						
Total	**0.8096**	**1.4935**	**12.7673**	**0.0677**	**6.1694**	**0.0396**	**6.2090**	**1.6361**	**0.0367**	**1.6728**						

3.6 Architectural Coating - 2030

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8096	1.4935	12.7673	0.0677	6.1694	0.0396	6.2090	1.6361	0.0367	1.6728						
Total	**0.8096**	**1.4935**	**12.7673**	**0.0677**	**6.1694**	**0.0396**	**6.2090**	**1.6361**	**0.0367**	**1.6728**						

3.6 Architectural Coating - 2031

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7822	1.4443	12.4247	0.0677	6.1694	0.0396	6.2090	1.6361	0.0368	1.6728						
Total	**0.7822**	**1.4443**	**12.4247**	**0.0677**	**6.1694**	**0.0396**	**6.2090**	**1.6361**	**0.0368**	**1.6728**						

3.6 Architectural Coating - 2031

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7822	1.4443	12.4247	0.0677	6.1694	0.0396	6.2090	1.6361	0.0368	1.6728						
Total	**0.7822**	**1.4443**	**12.4247**	**0.0677**	**6.1694**	**0.0396**	**6.2090**	**1.6361**	**0.0368**	**1.6728**						

3.6 Architectural Coating - 2032

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7573	1.4013	12.1292	0.0677	6.1694	0.0397	6.2090	1.6361	0.0368	1.6729						
Total	**0.7573**	**1.4013**	**12.1292**	**0.0677**	**6.1694**	**0.0397**	**6.2090**	**1.6361**	**0.0368**	**1.6729**						

3.6 Architectural Coating - 2032

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7573	1.4013	12.1292	0.0677	6.1694	0.0397	6.2090	1.6361	0.0368	1.6729						
Total	**0.7573**	**1.4013**	**12.1292**	**0.0677**	**6.1694**	**0.0397**	**6.2090**	**1.6361**	**0.0368**	**1.6729**						

3.6 Architectural Coating - 2033

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7341	1.3660	11.8894	0.0677	6.1694	0.0397	6.2091	1.6361	0.0368	1.6729						
Total	**0.7341**	**1.3660**	**11.8894**	**0.0677**	**6.1694**	**0.0397**	**6.2091**	**1.6361**	**0.0368**	**1.6729**						

3.6 Architectural Coating - 2033

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7341	1.3660	11.8894	0.0677	6.1694	0.0397	6.2091	1.6361	0.0368	1.6729						
Total	**0.7341**	**1.3660**	**11.8894**	**0.0677**	**6.1694**	**0.0397**	**6.2091**	**1.6361**	**0.0368**	**1.6729**						

3.6 Architectural Coating - 2034

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7106	1.3363	11.6597	0.0677	6.1694	0.0397	6.2090	1.6361	0.0368	1.6729						
Total	**0.7106**	**1.3363**	**11.6597**	**0.0677**	**6.1694**	**0.0397**	**6.2090**	**1.6361**	**0.0368**	**1.6729**						

3.6 Architectural Coating - 2034

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2 9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	**10.6109**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7106	1.3363	11.6597	0.0677	6.1694	0.0397	6.2090	1.6361	0.0368	1.6729						
Total	**0.7106**	**1.3363**	**11.6597**	**0.0677**	**6.1694**	**0.0397**	**6.2090**	**1.6361**	**0.0368**	**1.6729**						

3.6 Architectural Coating - 2035

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1179	0.7577	1.7943	2 9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						
Total	**10.5980**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6897	1.3131	11.4606	0.0677	6.1694	0.0396	6.2090	1.6361	0.0368	1.6728						
Total	**0.6897**	**1.3131**	**11.4606**	**0.0677**	**6.1694**	**0.0396**	**6.2090**	**1.6361**	**0.0368**	**1.6728**						

3.6 Architectural Coating - 2035

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	10.4801					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1179	0.7577	1.7943	2 9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						
Total	**10.5980**	**0.7577**	**1.7943**	**2.9700e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**						

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						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6897	1.3131	11.4606	0.0677	6.1694	0.0396	6.2090	1.6361	0.0368	1.6728						
Total	**0.6897**	**1.3131**	**11.4606**	**0.0677**	**6.1694**	**0.0396**	**6.2090**	**1.6361**	**0.0368**	**1.6728**						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2 5	PM2 5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	52.7742	122.8908	606.9930	1.9794	135.5584	2.8226	138.3809	36.3732	2.6034	38.9766						
Unmitigated	52.7742	122.8908	606.9930	1.9794	135.5584	2.8226	138.3809	36.3732	2.6034	38.9766						

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,367,519	2,367,519
Manufacturing	3,376.88	1,317.16	548.08	10,348,371	10,348,371
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	7,508,999	7,508,999
Regional Shopping Center	1,080.37	1,257.25	635.04	1,889,264	1,889,264
Research & Development	12,246.10	2,869.00	1676.10	27,207,358	27,207,358
Research & Development	372.25	87.21	50.95	827,032	827,032
User Defined Recreational	0.00	0.00	0.00		
Total	22,595.10	11,756.12	6,326.67	50,148,542	50,148,542

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	14.70	6.60	6.60	19.40	61.60	19.00	58	38	4
Manufacturing	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Regional Shopping Center	14.70	6.60	6.60	16.30	64.70	19.00	54	35	11
Regional Shopping Center	14.70	6.60	6.60	16.30	64.70	19.00	54	35	11
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3
User Defined Recreational	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable 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	1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947						
NaturalGas Unmitigated	1.6400	14 9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331						

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					
Manufacturing	47493.8	0.5122	4.6563	3.9113	0.0279		0.3539	0.3539		0.3539	0.3539						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	3367.12	0.0363	0.3301	0.2773	1.9800e-003		0.0251	0.0251		0.0251	0.0251						
Regional Shopping Center	847	9.1300e-003	0.0830	0.0698	5.0000e-004		6.3100e-003	6.3100e-003		6.3100e-003	6.3100e-003						
Research & Development	2466.08	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184						
Research & Development	81126.3	0.8749	7.9536	6.6810	0.0477		0.6045	0.6045		0.6045	0.6045						
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Hotel	16773.6	0.1809	1.6445	1.3814	9.8700e-003		0.1250	0.1250		0.1250	0.1250						
Total		**1.6400**	**14.9092**	**12.5237**	**0.0895**		**1.1331**	**1.1331**		**1.1331**	**1.1331**						

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	33.2893	0.3590	3.2637	2.7415	0.0196		0.2480	0.2480		0.2480	0.2480						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	0.600343	6.4700e-003	0.0589	0.0494	3.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003						
Regional Shopping Center	2.38658	0.0257	0.2340	0.1965	1.4000e-003		0.0178	0.0178		0.0178	0.0178						
Research & Development	1.72852	0.0186	0.1695	0.1424	1.0200e-003		0.0129	0.0129		0.0129	0.0129						
Research & Development	56.8629	0.6132	5.5748	4.6828	0.0335		0.4237	0.4237		0.4237	0.4237						
User Defined Recreational	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Hotel	11.7881	0.1271	1.1557	0.9708	6.9300e-003		0.0878	0.0878		0.0878	0.0878						
Total		**1.1502**	**10.4564**	**8.7834**	**0.0627**		**0.7947**	**0.7947**		**0.7947**	**0.7947**						

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	121.9010	0.0102	1.1305	8.0000e-005		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003						
Unmitigated	142.8263	0.0102	1.1305	8.0000e-005		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003						

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	11.0831					0.0000	0.0000		0.0000	0.0000						
Consumer Products	131.6398					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.1034	0.0102	1.1305	8.0000e-005		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003						
Total	**142.8263**	**0.0102**	**1.1305**	**8.0000e-005**		**4.0100e-003**	**4.0100e-003**		**4.0100e-003**	**4.0100e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						
Consumer Products	121.7976					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.1034	0.0102	1.1305	8.0000e-005		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003						
Total	**121.9010**	**0.0102**	**1.1305**	**8.0000e-005**		**4.0100e-003**	**4.0100e-003**		**4.0100e-003**	**4.0100e-003**						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Vegetation

BURROWING OWL SURVEY PROTOCOL AND MITIGATION GUIDELINES

Prepared by:

The California Burrowing Owl Consortium

April 1993

INTRODUCTION

The California Burrowing Owl Consortium developed the following Survey Protocol and Mitigation Guidelines to meet the need for uniform standards when surveying burrowing owl *(Speotyto cunicularia)* populations and evaluating impacts from development projects. The California Burrowing Owl Consortium is a group of biologists in the San Francisco Bay area who are interested in burrowing owl conservation. The following survey protocol and mitigation guidelines were prepared by the Consortium's Mitigation Committee. These procedures offer a decision-making process aimed at preserving burrowing owls in place with adequate habitat.

California's burrowing owl population is clearly in peril and if declines continue unchecked the species may qualify for listing. Because of the intense pressure for development of open, flat grasslands in California, resource managers frequently face conflicts between owls and development projects. Owls can be affected by disturbance and habitat loss, even though there may be no direct impacts to the birds themselves or their burrows. There is often inadequate information about the presence of owls on a project site until ground disturbance is imminent. When this occurs there is usually insufficient time to evaluate impacts to owls and their habitat. The absence of standardized field survey methods impairs adequate and consistent impact assessment during regulatory review processes, which in turn reduces the possibility of effective mitigation.

These guidelines are intended to provide a decision-making process that should be implemented wherever there is potential for an action or project to adversely affect burrowing owls or the resources that support them. The process begins with a four-step survey protocol to document the presence of burrowing owl habitat, and evaluate burrowing owl use of the project site and a surrounding buffer zone. When surveys confirm occupied habitat, the mitigation measures are followed to minimize impacts to burrowing owls, their burrows and foraging habitat on the site. These guidelines emphasize maintaining burrowing owls and their resources in place rather than minimizing impacts through displacement of owls to an alternate site.

Each project and situation is different and these procedures may not be applicable in some circumstances. Finally, these are not strict rules or requirements that must be applied in all situations. They are guidelines to consider when evaluating burrowing owls and their habitat, and they suggest options for burrowing owl conservation when land use decisions are made.

Section 1 describes the four phase Burrowing Owl Survey Protocol. Section 2 contains the Mitigation Guidelines. Section 3 contains a discussion of various laws and regulations that protect burrowing owls and a list of references cited in the text.

We have submitted these documents to the California Department of Fish and Game (CDFG) for review and comment. These are untested procedures and we ask for your comments on improving their usefulness.

SECTION 1 BURROWING OWL SURVEY PROTOCOL

PHASE I: HABITAT ASSESSMENT

The first step in the survey process is to assess the presence of burrowing owl habitat on the project site including a 150-meter (approx. 500 ft.) buffer zone around the project boundary (Thomsen 1971, Martin 1973).

Burrowing Owl Habitat Description

Burrowing owl habitat can be found in annual and perennial grasslands, deserts, and scrublands characterized by low-growing vegetation (Zarn 1974). Suitable owl habitat may also include trees and shrubs if the canopy covers less than 30 percent of the ground surface. Burrows are the essential component of burrowing owl habitat: both natural and artificial burrows provide protection, shelter, and nests for burrowing owls (Henny and Blus 1981). Burrowing owls typically use burrows made by fossorial mammals, such as ground squirrels or badgers, but also may use man-made structures, such as cement culverts; cement, asphalt, or wood debris piles; or openings beneath cement or asphalt pavement.

Occupied Burrowing Owl Habitat

Burrowing owls may use a site for breeding, wintering, foraging, and/or migration stopovers. Occupancy of suitable burrowing owl habitat can be verified at a site by an observation of at least one burrowing owl, or, alternatively, its molted feathers, cast pellets, prey remains, eggshell fragments, or excrement at or near a burrow entrance. Burrowing owls exhibit high site fidelity, reusing burrows year after year (Rich 1984, Feeney 1992). A site should be assumed occupied if at least one burrowing owl has been observed occupying a burrow there within the last three years (Rich 1984).

The Phase II burrow survey is required if burrowing owl habitat occurs on the site. If burrowing owl habitat is not present on the project site and buffer zone, the Phase II burrow survey is not necessary. A written report of the habitat assessment should be prepared (Phase IV), stating the reason(s) why the area is not burrowing owl habitat.

PHASE II: BURROW SURVEY

1. A survey for-burrows and owls should be conducted by walking through suitable habitat over the entire project site and in areas within 150 meters (approx 500 ft.) of the project impact zone. This 150-meter buffer zone is included to account for adjacent burrows and foraging habitat outside the project area and impacts from factors such as noise and vibration due to heavy equipment which could impact resources outside the project area.

2. Pedestrian survey transects should be spaced to allow 100 percent visual coverage of the ground surface. The distance between transect center lines should be no more than 30 meters (approx. 100 ft.), and should be reduced to account for differences in terrain, vegetation density, and ground surface visibility. To efficiently survey projects larger than 100 acres, it is recommended that two or more surveyors conduct concurrent surveys. Surveyors should maintain a minimum distance of 50 meters (approx. 160 ft.) from any owls or occupied burrows. It is important to minimize disturbance near occupied burrows during all seasons.

3. If burrows or burrowing owls are recorded on the site, a map should be prepared of the burrow concentration areas. A breeding season survey and census (Phase III) of burrowing owls is the next step required.

4. Prepare a report (Phase IV) of the burrow survey stating whether or not burrows are present.

5. A preconstruction survey may be required by project-specific mitigations no more than 30 days prior to ground disturbing activity.

PHASE III: BURROWING OWL SURVEYS, CENSUS AND MAPPING

If the project site contains burrows that could be used by burrowing owls, then survey efforts should be directed towards determining owl presence on the site. Surveys in the breeding season are required to describe if, when, and how the site is used by burrowing owls. If no owls are observed using the site during the breeding season, a winter survey is required.

Survey Methodology

A complete burrowing owl survey consists of four site visits. During the initial site visit examine burrows for owl sign and map the locations of occupied burrows. Subsequent observations should be conducted from as many fixed points as necessary to provide visual coverage of the site using spotting scopes or binoculars. It is important to minimize disturbance near occupied burrows during all seasons. Site visits must be repeated on four separate days. Conduct these visits from two hours before sunset to one hour after or from one hour before to two hours after sunrise. Surveys should be conducted during weather that is conducive to observing owls outside their burrows. Avoid surveys during heavy rain, high winds (> 20 mph), or dense fog.

Nesting Season Survey. The burrowing owl nesting season begins as early as February 1 and continues through August 31 (Thomsen 1971, Zam 1974). The timing of nesting activities may vary with latitude and climatic conditions. If possible, the nesting season survey should be conducted during the peak of the breeding season, between April 15 and July 15. Count and map all burrowing owl sightings, occupied burrows, and burrows with owl sign. Record numbers of pairs and juveniles, and behavior such as courtship and copulation. Map the approximate territory boundaries and foraging areas if known.

Survey for Winter Residents (non-breeding owls). Winter surveys should be conducted between December 1 and January 31, during the period when wintering owls are most likely to be present. Count and map all owl sightings, occupied burrows, and burrows with owl sign.

Surveys Outside the Winter and Nesting Seasons. Positive results, (i.e., owl sightings)- outside of the above survey periods would be adequate to determine presence of owls on site. However, results of these surveys may be inadequate for mitigation planning because the numbers of owls and their pattern of distribution may change during winter and nesting seasons. Negative results during surveys outside the above periods are not conclusive proof that owls do not use the site.

Preconstruction Survey. A preconstruction survey may be required by project-specific mitigations and should be conducted no more than 30 days prior to ground disturbing activity.

PHASE IV: RESOURCE SUMMARY, WRITTEN REPORT

A report should be prepared for CDFG that gives the results of each Phase of the survey protocol, as outlined below.

Phase I: Habitat Assessment

1. Date and time of visit(s) including weather and visibility conditions; methods of survey.

2. Site description including the following information: location, size, topography, vegetation communities, and animals observed during visit(s).

3. An assessment of habitat suitability for burrowing owls and explanation.

4. A map of the site.

Phase II: Burrow Survey

1. Date and time of visits including weather and visibility conditions; survey methods including transect spacing.

2. A more detailed site description should be made during this phase of the survey protocol including a partial plant list of primary vegetation, location of nearest freshwater (on or within one mile of site), animals observed during transects.

3. Results of survey transects including a map showing the location of concentrations of burrow(s) (natural or artificial) and owl(s), if present.

Phase III: Burrowing Owl Surveys, Census and Mapping

1. Date and time of visits including weather and visibility conditions; survey methods including transect spacing.

2. Report and map the location of all burrowing owls and owl sign. Burrows occupied by owl(s) should be mapped indicating the number of owls at each burrow. Tracks, feathers, pellets, or other items (prey remains, animal scat) at burrows should also be reported.

3. Behavior of owls during the surveys should be carefully recorded (from a distance) and reported. Describe and map areas used by owls during the surveys. Although not required, all behavior is valuable to document including feeding, resting, courtship, alarm, territorial, parental, or juvenile behavior.

4. Both winter and nesting season surveys should be summarized. If possible include information regarding productivity of pairs, seasonal pattern of use, and include a map of the colony showing territorial boundaries and home ranges.

5. The historical presence of burrowing owls on site should be documented, as well as the source of such information (local bird club, Audubon society, other biologists, etc.).

Burrowing: Owl Survey Protocol

April 1993

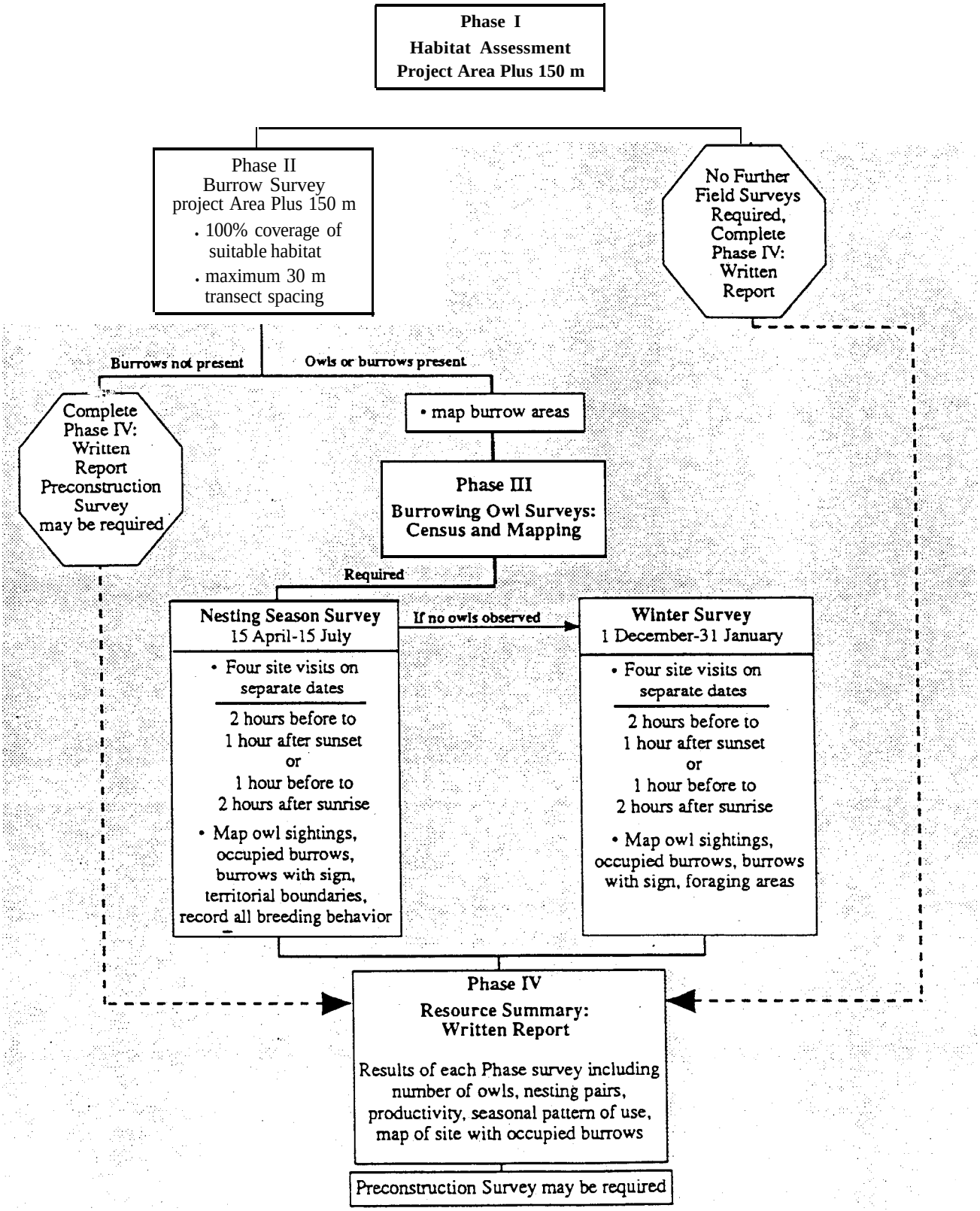

Figure 1.

SECTION 2 BURROWING OWL MITIGATION GUIDELINES

The objective of these mitigation guidelines is to minimize impacts to burrowing owls and the resources that support viable owl populations. These guidelines are intended to provide a decision-making process that should be implemented wherever there is potential for an action or project to adversely affect burrowing owls or their resources. The process begins with a four-step survey protocol (see *Burrowing Owl Survey Protocol)* to document the presence of burrowing owl habitat, and evaluate burrowing owl use of the project site and a surrounding buffer zone. When surveys confirm occupied habitat, the mitigation measures described below are followed to minimize impacts to burrowing owls, their burrows and foraging habitat on the site. These guidelines emphasize maintaining burrowing owls and their resources in place rather than minimizing impacts through displacement of owls to an alternate site.

Mitigation actions should be carried out prior to the burrowing owl breeding season, generally from February 1 through August 31 (Thomsen 1971, Zarn 1974). The timing of nesting activity may vary with latitude and climatic conditions. Project sites and buffer zones with suitable habitat should be resurveyed to ensure no burrowing owls have occupied them in the interim period between the initial surveys and ground disturbing activity. Repeat surveys should be conducted not more than 30 days prior to initial ground disturbing activity.

DEFINITION OF IMPACTS

1. Disturbance or harassment within 50 meters (approx. 160 ft.) of occupied burrows.

2. Destruction of burrows and burrow entrances. Burrows include structures such as culverts, concrete slabs and debris piles that provide shelter to burrowing owls.

3. Degradation of foraging habitat adjacent to occupied burrows.

GENERAL CONSIDERATIONS

1. Occupied burrows should not be disturbed during the nesting season, from February 1 through August 31, unless the Department of Fish and Game verifies that the birds have not begun egg-laying and incubation or that the juveniles from those burrows are foraging independently and capable of independent survival at an earlier date.

2. A minimum of 6.5 acres of foraging habitat, calculated on a 100-m (approx. 300 ft.) foraging radius around the natal burrow, should be maintained per pair (or unpaired resident single bird) contiguous with burrows occupied within the last three years (Rich 1984, Feeney 1992). Ideally, foraging habitat should be retained in a long-term conservation easement.

3. When destruction of occupied burrows is unavoidable, burrows should be enhanced (enlarged or cleared of debris) or created (by installing artificial burrows) in a ratio of 1:1 in adjacent suitable habitat that is contiguous with the foraging habitat of the affected owls.

4. If owls must be moved away from the disturbance area, passive relocation (see below) is preferable to trapping. A time period of at least one week is recommended to allow the owls to move and acclimate to alternate burrows.

5. The mitigation committee recommends monitoring the success of mitigation programs as required in Assembly Bill 3180. A monitoring plan should include mitigation success criteria and an annual report should be submitted to the California Department of Fish and Game.

AVOIDANCE

Avoid Occupied Burrows

No disturbance should occur within 50 m (approx. 160 ft.) of occupied burrows during the non-breeding Season of September 1 through January 31 or within 75 m (approx. 250 ft.) during the breeding Season of February 1 through August 31. Avoidance also requires that a minimum of 6.5 acres of foraging habitat be preserved contiguous with occupied burrow sites for each pair of breeding burrowing owls (with or without dependent young) or single unpaired resident bird (Figure 2).

MITIGATION FOR UNAVOIDABLE IMPACTS

On-site Mitigation

On-site passive relocation should be implemented if the above avoidance requirements cannot be met. Passive relocation is defined as encouraging owls to move from occupied burrows to alternate natural or artificial burrows that are beyond 50 m from the impact zone and that are within or contiguous to a minimum of 6.5 acres of foraging habitat for each pair of relocated owls (Figure 3). Relocation of owls should only be implemented during the non-breeding season. On-site habitat should be preserved in a conservation easement and managed to promote burrowing owl use of the site.

Owls should be excluded from burrows in the immediate impact zone and within a 50 m (approx. 160 ft.) buffer zone by installing one-way doors in burrow entrances: One-way doors should be left in place 48 hours to insure owls have left the burrow before excavation. One alternate natural or artificial burrow should be provided for each burrow that will be excavated in the project impact zone. The project area should be monitored daily for one week to confirm owl use of alternate burrows before excavating burrows in the immediate impact zone. Whenever possible, burrows should be excavated using hand tools and refilled to prevent reoccupation. Sections of flexible plastic pipe or burlap bags should be inserted into the tunnels

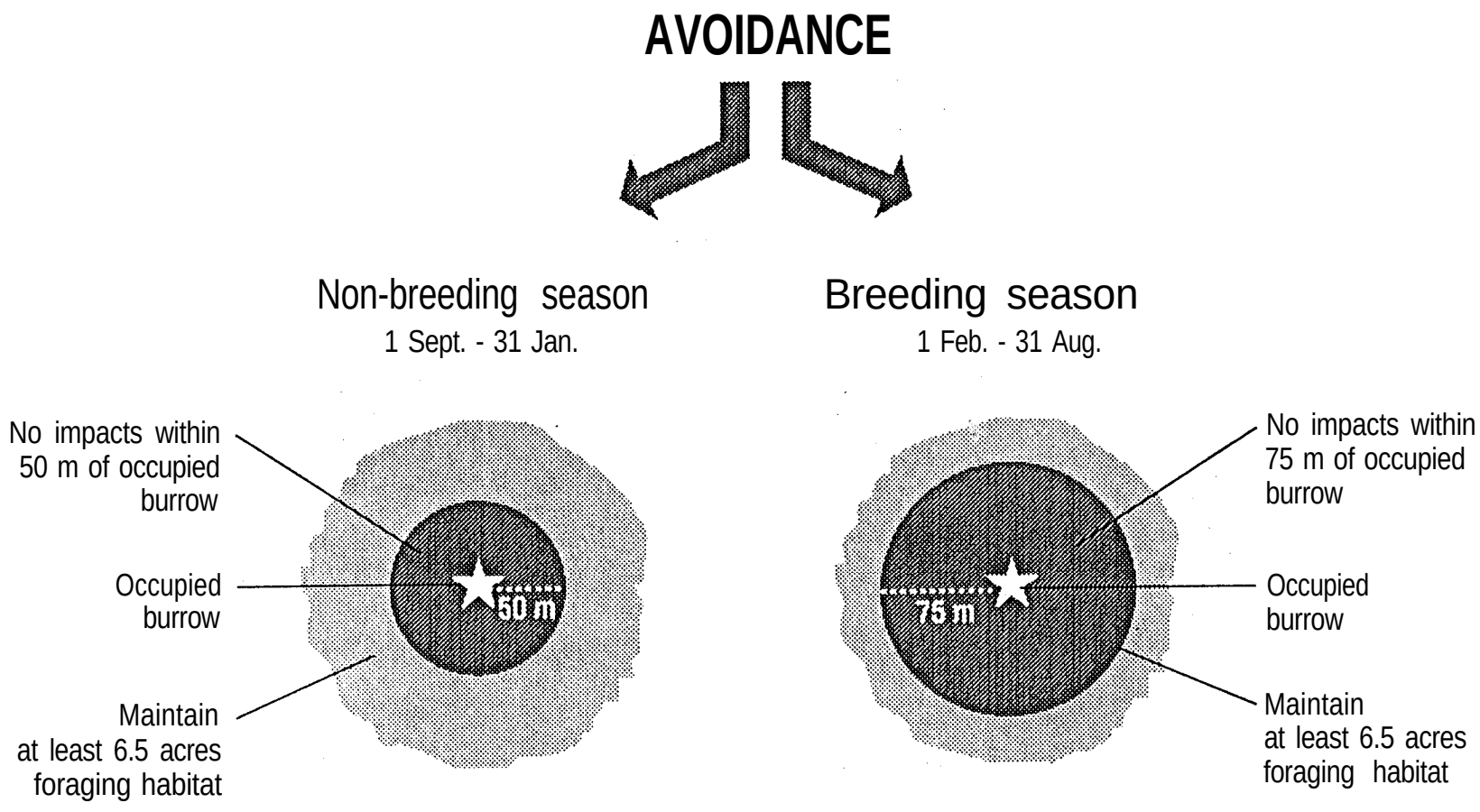

Figure 2. Burrowing owl mitigation guidelines.

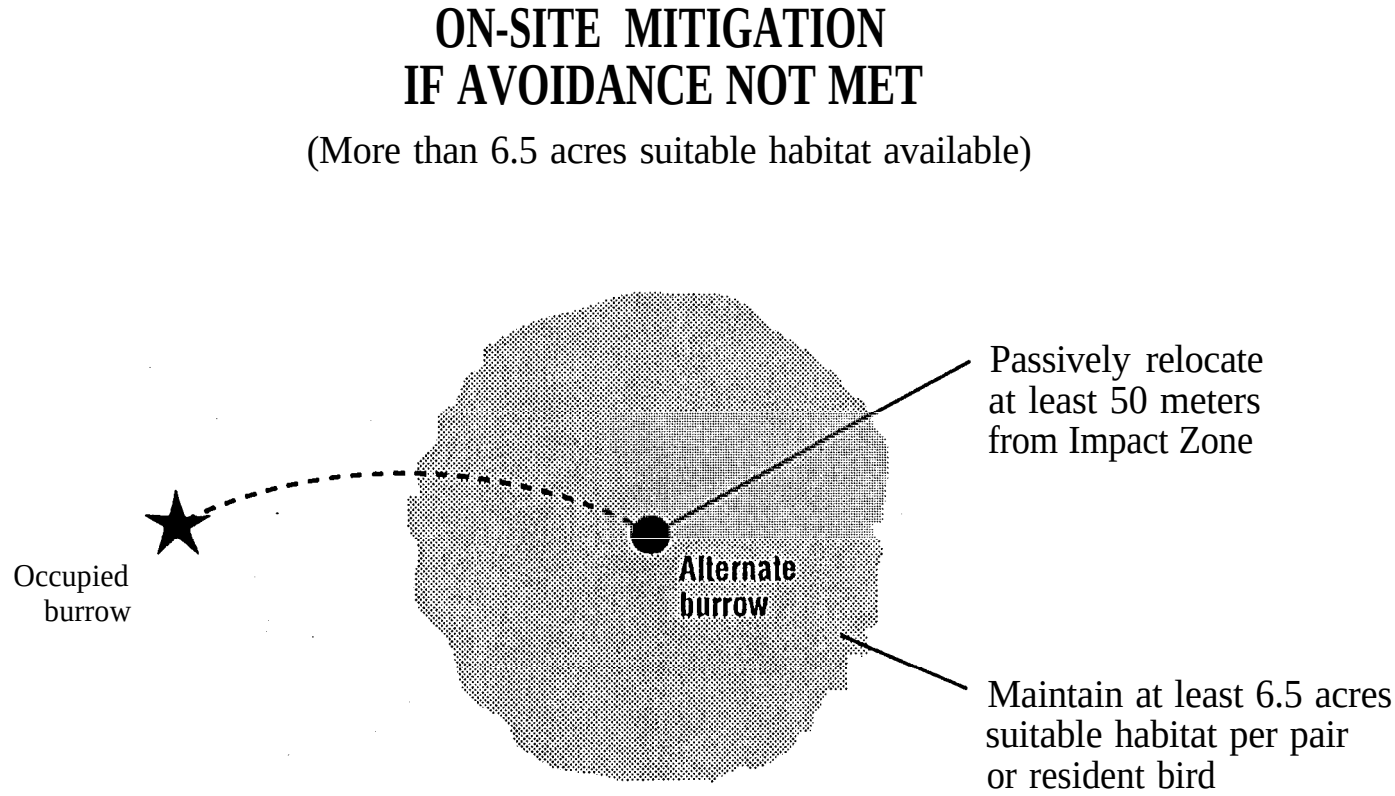

Figure 3. Burrowing owl mitigation guidelines.

during excavation to maintain an escape route for any animals inside the burrow.

Off-site Mitigation

If the project will reduce suitable habitat on-site below the threshold level of 6.5 acres per relocated pair or single bird, the habitat should be replaced off-site. Off-site habitat must be suitable burrowing owl habitat, as defined in the *Burrowing Owl Survey Protocol*, and the site approved by CDFG. Land should be purchased and/or placed in a conservation easement in perpetuity and managed to maintain suitable habitat. Off-site mitigation should use one of the following ratios:

1. Replacement of occupied habitat with occupied habitat: 1.5 times 6.5 (9.75) acres per pair or single bird.

2. Replacement of occupied habitat with habitat contiguous to currently occupied habitat: 2 times 6.5 (13.0) acres per pair or single bird.

3. Replacement of occupied habitat with suitable unoccupied habitat: 3 times 6.5 (19.5) acres per pair or single bird.

SECTION 3 LEGAL STATUS

The burrowing owl is a migratory bird species protected by international treaty under the Migratory Bird Treaty Act (MBTA) of 1918 (16 U.S.C. 703-711). The MBTA makes it unlawful to take, possess, buy, sell, purchase, or barter, any migratory bird listed in 50 C.F.R. Part 10, including feathers or other parts, nests, eggs, or products, except as allowed by implementing regulations (50 C.F.R. 21). Sections 3503, 3503.5, and 3800 of the California Department of Fish and Game Code prohibit the take, possession, or destruction of birds, their nests or eggs. Implementation of the take provisions requires that project-related disturbance at active nesting territories be reduced or eliminated during critical phases of the nesting cycle (March 1 - August 15, annually). Disturbance that causes nest abandonment and/or loss of reproductive effort (e.g., killing or abandonment of eggs or young) or the loss of habitat upon which the birds depend is considered "taking" and is potentially punishable by fines and/or imprisonment. Such taking would also violate federal law protecting migratory birds (e.g., MBTA).

The burrowing owl is a Species of Special Concern to California because of declines of suitable habitat and both localized and statewide population declines. Guidelines for the Implementation of the California Environmental Quality Act (CEQA) provide that a species be considered as endangered or "rare" regardless of appearance on a formal list for the purposes of the CEQA (Guidelines, Section 15380, subsections b and d). The CEQA requires a mandatory findings of significance if impacts to threatened or endangered species are likely to occur (Sections 21001(c), 21083. Guidelines 15380, 15064, 15065). Avoidance or mitigation must be presented to reduce impacts to less than significant levels.

CEQA AND SUBDIVISION MAP ACT

CEQA Guidelines Section 15065 directs that a mandatory finding of significance is required for projects that have the potential to substantially degrade or reduce the habitat of, or restrict the range of a threatened or endangered species. CEQA requires agencies to implement feasible mitigation measures or feasible alternatives identified in EIR's for projects which will otherwise cause significant adverse impacts (Sections 21002, 21081, 21083; Guidelines, sections 15002, subd. (a)(3), 15021, subd. (a)(2), 15091, subd. (a).).

To be legally adequate, mitigation measures must be capable of "avoiding the impact altogether by not taking a certain action or parts of an action"; "minimizing impacts by limiting the degree or magnitude of the action and its implementation"; "rectifying the impact by repairing, rehabilitating or restoring the impacted environment"; "or reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action." (Guidelines, Section 15.370).

Section 66474 (e) of the Subdivision Map Act states "a legislative body of a city or county shall deny approval of a tentative map or parcel map for which a tentative map was not required, if

it makes any of the following findings:... (e) that the design of the subdivision or the proposed improvements are likely to cause substantial environmental damage or substantially and avoidably injure fish and wildlife or their habitat". In recent court cases, the court upheld that Section 66474(e) provides for environmental impact review separate from and independent of the requirements of CEQA (Topanga Assn. for a Scenic Community v. County of Los Angeles, 263 Cal. Rptr. 214 (1989).). The finding in Section 66174 is in addition to the requirements for the preparation of an EIR or Negative Declaration.

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Santa Clara Valley Audubon Society
Founded 1926

January 9th, 2010

Santa Clara Valley Audubon Society Report:
Haera Wildlife Conservation Bank

I. Background

Wildlands, Inc., manages the Haera Wildlife Conservation Bank (HWCB) together with the PG&E San Joaquin Kit Fox Mitigation Site (PG&E Site) to protect habitats that are utilized by a breeding population of Burrowing Owls (BUOW), California Tiger Salamanders, and potentially by the San Joaquin Kit Fox (SJKF). The California Department of Fish and Game (CDFG) provided Santa Clara Valley Audubon Society (SCVAS) with documents that show that the Haera Mitigation Bank was first agreed upon on April 23rd, 2001. The agreement established HWCB, among other reasons, **to protect burrowing owls and their habitat**. Wildlands Inc. and CDFG agreed that the Haera Conservation Bank will also protect the San Joaquin kit fox, and allocated HWCB 299 Conservation Credits that qualify for dual use for these species. The implications of "dual use" are not fully understood by SCVAS staff, but this is probably not significant for the purposes of this report. At least two amendments followed, Amendment No. 2 in March 2004 (SCVAS did not receive a copy of this amendment) and Amendment No. 3 in November 2008. The purpose of amendment #3 was to include the US Fish and Wildlife Service (USFWS) as party to the agreement, thereby further approving HWCB to sell compensatory credits for the federally endangered and state threatened San Joaquin Kit Fox, and to include a specific service area for the San Joaquin kit fox.

II. Habitat Management Plan

CDFG provided us with a 2004 (draft) Habitat Management Plan. This plan focuses primarily on a grazing management program with the goals of:

- Maintaining the short-grass annual grassland;
- Controlling Weedy Species;
- Maintaining large populations of prey species.

Wildlands Inc. describes Adaptive Management as the base to their management plan (p.4, draft HWCB Habitat Management Plan): "Adaptive Management is the management philosophy that recognizes the need to constantly monitor habitat conditions and adapt management actions… Over time, as it is learned how habitats respond to management actions (i.e. grazing), it is likely that adjustments to management actions will be required."

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The plan makes the implicit assumption that maintaining short grass habitat suffices to protect and sustain a breeding population of burrowing owls and potentially other target species.

III. Components of the Management Plan

The Wildlands Inc. Management Plan has three components:
1. Vegetation management. The program aims to "Maintain Optimal Vegetation Height and coverage for Burrowing Owl, California Tiger Salamander and the San Joaquin Kit Fox" and to **"**Prevent the increase of weedy species on site."
2. Species Management and Monitoring. The program aims to "Document all BUOW, CTS and SJKF on-site" and to "Control Exotic Prey Species."
3. Reporting. Page 16, draft HWCB Habitat Management Plan: "Brief reports summarizing the results of each year's burrowing owl monitoring, grazing and general habitat maintenance activities will be prepared and submitted to DFG and USFWS" and "The report will also describe the need for any future unexpected maintenance actions and the potential schedule for implementation of such actions".

IV. What is Missing in the Management Plan

The management plan fails to establish population goals for the target species or their prey populations. It does not incorporate any metrics for ecological analysis or triggers for adaptive management processes for any target species. The management plan does not require:

1. Presence of burrowing owls, California tiger salamanders, or San Joaquin kit foxes at the Haera Wildlife Conservation Bank or at the PG&E site. The assumptions that allowed this omission are:

> **Assumption I**: the habitat management plan will suffice to sustain viable populations of Burrowing Owls. Yet after **eight years of monitoring, there is no evidence that a viable breeding population of BUOW exists in HWCB.**
> **Assumption II**: San Joaquin kit foxes may find the site and inhabit it in the future. **San Joaquin kit foxes have yet to discover the two mitigation banks.** There is nothing in the plan to establish that movement corridors exist to connect the service area with the mitigation area, no active relocation is proposed, and the area is not covered by an HCP. Thus, the value of this site in San Joaquin kit fox conservation has not been established. The site is not mentioned in the CDFG San Joaquin kit fox recovery plan.

No Best Practice Methodology or Adaptive Management Procedures are offered for data analysis and future assessment of these assumptions.

2. Maintenance of a genetically viable breeding population of burrowing owls at the Haera Wildlife Conservation Bank. Since the only requirement in the BUOW management plan is to monitor burrowing owls, Wildlands Inc. has been counting owls, often counting individual owls more than once per sampling event or per sampling year. This methodology produces data only on presence/absence of owls on the site. As a result, we do not even know whether a population

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of burrowing owls reproduces on site and there is no evaluation of the success of the Haera Wildlife Conservation Bank in conserving burrowing owls.

3. Collection of meaningful data.
As we have pointed out, the Wildlands, Inc. monitoring produces results that, in most years, simply indicate presence/absence of burrowing owls at HWCB. In 2002, 2004 and 2005 few juveniles were observed (Table 1), and for these years the results can be summarized as "few young fledged at HWCB"). The data provided in the Wildlands Inc. 2002-2008 annual reports (we did not receive a 2007 report) is inconsistent and lacks data integrity, meaning that the yearly data summaries do not lend themselves to the type of analysis required by Adaptive Management methodology. Population estimates and trends cannot be discerned from the data. Thus, there is no way to evaluate the success of the Haera Wildlife Conservation Bank in conserving burrowing owls.

4. Analysis of the impact of the practiced grazing program on prey species populations.
Wildlands Inc. neglected to test the impact that the implemented grazing plan has on seed abundance and thus on prey species populations that feed on seeds. Grazing the whole site to a short grass height may be beneficial for cattle, but is not based on ecological principles for the management of wildlife. True ecological planning for Burrowing Owls would focus on habitat heterogeneity: create and intertwine large areas of short grass prairie with patches of tall grass habitat, rock piles and other natural or man-made features where prey species (insects, and small rodents and reptiles) can thrive. Adaptive Management is not possible without proper analysis of the impacts of grazing the whole site in a uniform way, and the seasonality of grazing, on the diversity and abundance of prey species.

5. **Limiting Factor Analysis.** Limiting factor analysis would analyze the resources used by burrowing owls and SJKF at HWCB and identify bottlenecks that keep the population from increasing. Resources to be assessed include not only vegetation height but also prey abundance, availability of burrows, and accessibility through migration corridors. When a factor is identified as limiting, management actions are needed to ameliorate the situation.

V. Haera Wildlife Conservation Bank Burrowing Owl and SJKF Populations

A September 2000 Initial Site Reconnaissance survey of HWCB (Figure 3, draft HWCB Habitat Management Plan) shows 10 owls and 6 active burrows, all found in the Southwestern area of the site. "Clusters of potentially suitable burrows" were scattered throughout the site, and we assume this is in reference to ground squirrel colonies. The PG&E site had 6 owls and 3 active burrows, all in the Northeastern corner of the site, and again several "clusters of potentially suitable burrows". Table 1. summarizes the data presented in Wildlands, Inc. Annual reports, 2000-2008: Number of BUOW and SJKF at HWCB and PG&E site:

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Table 1: summary of the data presented in Wildlands, Inc. Annual reports, 2000-2008: Number of BUOW and SJKF at HWCB and PG&E site:

Year	BUOW	SJKF	Comments
2000	10	0	
2001	9	0	No data on nesting burrows or juveniles
2002	10 Adults, 4 Juveniles (3 pairs)	0	No data on nesting burrows or juveniles
2003	6 (1 pair)	0	No data on nesting burrows or juveniles
2004	34 "occurrences" (2 pairs, some Juveniles)	0	In Table 1, "occurrence" is used to count owls. An examination of the data and cross-reference to Figures 8/9 makes it impossible to determine whether or not individual owls were counted multiple times.
2005	6 (4 Juveniles)	0	
2006	20	0	No data on nesting burrows or juveniles
2007			We did not receive a report
2008	41 observations at HWCB, 10 (1 pair) at the PG&E site	0	**Note the disclaimer on P. 5 of the annual report "many of these observations are likely to be the same individuals encountered during different monitoring visits"**

VI. Mitigation credits for BUOW at HWCB

Between 2001 and 2008, Wildlands, Inc. Haera Wildlife Conservation Bank sold close to 200 of its 299 acre-credits. The credits were used to justify multiple evictions from multiple developments in multiple counties, and represent at least 9 pairs of Burrowing Owls (the data we received does not specify the number of owls evicted in some locations).

VII. Conclusion

In the last decade, if we take the most liberal accounting approach, Haera Wildlife Conservation Bank together with the PG&E site, maintained fewer than 5 breeding pairs. The mitigation bank sold credits for at least twice that number. The HWCB site seem to be no different than any other piece of land in eastern alameda county: grazed grassland hosting a few burrowing owls.
Santa Clara Valley Audubon Society can only conclude that the use of off-site mitigation for Burrowing Owls in the manner that it is currently implemented, cannot be defended as a viable alternative for the conservation of the species. SCVAS is petitioning the CA Department of Fish and Game to immediately stop offering Haera Wildlife Conservation Bank or any other conservation bank, as an option for mitigation for Burrowing Owls and their habitat in Santa Clara County.

SCVAS strongly urges CDFG and USFWS to establish programs and procedures that would require any Conservation Bank to implement current best management practices and true

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adaptive management for species preservation and recovery. Without a rigorous scientific approach at the implementation, monitoring, and adaptive management stages, the use of Conservation Banks as a conservation tool appears to be a waste of resources.

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Losing What We Thought We Gained

An Investigation
Into Mitigation Monitoring

Failed mitigation: Never maintained.

Hundreds of oaks planted following mitigation investigation.

Prepared for the Santa Clara Valley Audubon Society
By Craig K. Breon

September 2009

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Acknowledgements

The Santa Clara Valley Audubon Society would like to thank the generous donors to this project. The project required less than $50,000 in funding and has recovered perhaps $2 million or more in natural resources (granted, monetizing resource values is difficult), as well as making improvements to some local systems of mitigation monitoring, thus improving protection of natural resources for years to come.

Our thanks to (in alphabetic order):

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I would like to thank the Santa Clara Valley Audubon Society Board of Directors as well as Executive Director Bob Power and Office Manager Susan Bell. The Board had the vision to see this as a project worthy of pursuing and supporting. Bob and Susan helped manage the details of my contract and reports.

Finally, I wish to thank the many individuals within local and state governmental agencies, public and private law firms, and consulting firms who helped with tips on projects to look at or aided in investigating and addressing some of the issues raised by my work. Those of us pushing on the system from the outside rely greatly on those within the system who want to see better results for people and nature.

Losing What We Thought We Gained

Executive Summary

This report is the end product of a project looking at the issue of mitigation monitoring, primarily under the California Environmental Quality Act (CEQA). In other words, I investigated past development project approvals, tried to ascertain what mitigation measures or conditions were placed on those projects in order to protect the environment, and then tried to find out whether those conditions had in fact been met by the developers, whether public or private. Where problems with compliance were found, I tried to find ways to correct the problems, or at least to elucidate how things had gone wrong.

This document chronicles the history of SCVAS with mitigation monitoring efforts, my methodology in continuing those efforts, how mitigation monitoring works in the real world, and my conclusions from the work I've devoted to this overlooked area of resource protection. Additionally, I've added practical examples of how to approach a project, sample CEQA comments anticipating mitigation monitoring problems, how to submit a Public Records Act request, and how to request mitigation monitoring documents.

The project concludes having found a considerable number of problems with individual development sites in Santa Clara County and the larger geographical region of the South Bay Area. Some problems have been corrected; others remain problematic; and with still others there was simply not the information found to conclude whether projects were in or out of compliance with their approved permits.

A major portion of the appendices for this report discusses the California law applicable to mitigation monitoring and possible legal mechanisms to deal with mitigation compliance problems when found. Another significant section relays many of the common issues I encountered in attempting to track compliance with mitigation monitoring requirements, primarily working with planners and other city and county staff persons in the region. I make recommendations as to ways cities and counties can improve their mitigation monitoring efforts, ways in which members of the public might track development projects in their areas and improve mitigation monitoring in their localities, and potential clarifications to state law that I believe would help improve performance in this area of land use statewide.

It is my belief—based on my investigations and accompanying research—that California and Californians are losing considerable natural resource values that we might rightly have assumed were protected by local development approval processes. I have shown that some of these lost natural resources can be recovered through investigation and advocacy. The work of this project has resulted in the recovery of resource values related to riparian and wetland habitats, water quality, rare and endangered species habitats, tree planting, and preservation of open space (See Appendix I, a table of development projects investigated during this effort, for a more detailed account of this project's accomplishments). I have also

shown, unfortunately, that the process of finding and correcting such problems is lengthy, frustrating, and often only partially effective.

It is my hope that other individuals and community organizations will read the experiences related herein and consider whether applying some effort to the issue of mitigation monitoring in their communities would be worthwhile. I believe it would be. While this project only investigated a small number of projects in a limited geographical area, I believe the problems associated with mitigation monitoring are widespread, leaving a large hole in the CEQA process statewide. This is an area of land use ripe for additional work, and a larger, coordinated effort to spark change on both the local and State levels, and perhaps in the courts, is warranted.

Introduction

California's long-standing commitment to an open public process for land development has afforded individuals, neighborhoods, and community organizations the opportunity to help shape their communities and protect natural resources. Californians, in turn, take good advantage of these opportunities. While most development projects go through the governmental approval process with little public input or controversy, those projects with greater community or resource impacts often receive strong scrutiny.

This project report deals with the aftermath of the public process. After the community meetings, after the circulation of documents, comments, and responses to comments, after the public hearings…what happens to the commitments to environmental protection forged under the California Environmental Quality Act (CEQA) and other environmental laws?

One end result of an approved development project is numerous commitments to protect from or in some way compensate for the potential damage done to the environment and natural resources from that development. These commitments represent a sort of promise from our government: "Surely, development will damage our environment and disturb our communities, but here is how we intend to lessen that damage."

As individuals or in affiliated groups, Californians work hard to see that development in or near their communities takes care to protect natural resources and the physical environment. Endless hours go into the community organizing, document research, writing, and public hearings that surround larger proposed development projects. Often enough, that community participation produces results: changes for the better in the interplay between development and natural resource protection.

With that process of community involvement completed, how do we know that the environmental gains made during the development review process are in fact implemented as a given development project goes forward? As it turns out, we often do not know, to our detriment. In short, based on the experience of this project and other efforts, it appears that Californians may be losing a substantial amount of the perceived gains made through the development approval process. **However, it is possible to recapture some of those gains, as this report explains, and greater efforts in this area would almost certainly bear substantial fruit.**

This report and the project it is based on depict a small slice of a larger pie. The Santa Clara Valley Audubon Society has made several attempts to address the issue I call here "mitigation monitoring." This is not a universal term, and other terms such as "post-approval monitoring" or "permit compliance" are often used to discuss the same topic. Essentially, we are talking about whether developers—public or private entities—and the governments that are intended to oversee the development process are fulfilling the promises they make to the people of California to protect our natural resources. From my limited experience, they often do not fulfill those promises. The questions then become, "How can we as activists or

advocacy organizations address these broken promises and recover the resources lost?" and "How can we ensure that our painstaking gains in environmental protection at the local level are not then undermined by future inattention or ill intentions?"

Over the course of more than two years SCVAS looked at numerous development projects in an area loosely defined as the South Bay portion of San Francisco Bay. The clear majority of the projects were in Santa Clara County, as the territorial home of SCVAS, but a few projects in other counties were included. The results should be read as a cautionary tale: **we are losing considerable resource values by not following-up on results of the development process, and we really have little idea of the magnitude of the problem**.

At the same time, this project also shows a path towards recovering some of those resources. We have, in fact, done exactly that with several projects. In addition, I make recommendations as to how the mitigation monitoring process can be improved in most any community.

SCVAS History with Mitigation Monitoring and Permit Compliance

My interest in the issue of mitigation monitoring on behalf of the Santa Clara Valley Audubon Society began with a drive across a bridge in Silicon Valley. Noticing what seemed to be an unfulfilled commitment of one particular development project led to the inevitable question of how widespread the problem might be.

[Insert: For a more detailed look at the Basking Ridge project, which first sparked my curiosity in this subject matter, see the case study in Appendix D]

Shortly after that discovery of an unfulfilled commitment, SCVAS engaged in a review of Stormwater Pollution Prevention Permits (SWPPPs) for construction sites, which are issued by our Regional Water Quality Control Board but are part of the development approval process. Local cities and counties rely on SWPPPs during the CEQA review process as a standard method to mitigate for potentially significant, negative impacts to water quality from development projects. This investigation of stormwater permits also stemmed from a single incident identified in the field. In the end, however, we concluded that a significant number of the development projects subject to these permits were in violation of their permit conditions, and that local cities, the County and the Regional Water Quality Control Board did little to enforce the permits after they were issued.

Perhaps due to my growing interest in this area of land use, other mitigation monitoring issues in SCVAS' region came to my attention. Each was dealt with as an individual incident.

From these nascent efforts, SCVAS took a step forward by focusing greater resources on a larger scale investigation of local development projects, thanks to a grant from the Santa Clara Valley Water District. With the help of intern Kim Yuan-Farrell, SCVAS was able to look at more than twenty projects throughout Santa Clara County. It quickly became clear that problems of documentation would be considerable in tracking compliance or lack thereof with mitigation requirements. In addition, we found that even when problems were brought forth to local cities or the County, action on those problems was often slow or simply did not occur at all. In the end, while that grant-funded project made some significant steps forward in our knowledge, we did not change much on the ground.

That background led to this current effort. I wanted to delve further into the issue of mitigation monitoring, following through on past-identified problems and uncovering new ones. I also wanted to see if I could identify common problems and possible solutions that might allow others to make progress in preserving or even recovering lost natural resource values in their communities.

Methodology (or Approach)

Not intending to be a scholarly or scientific effort, this project did not develop a standard methodology. As mentioned in the summary of this report, this project was intended to investigate and advocate.

Projects were chosen for investigation primarily because they were in the southern portion of the Bay Area (with limited exceptions), required either an Environmental Impact Report or a Mitigated Negative Declaration as part of their CEQA process, and involved biological resources. Since SCVAS is primarily interested in wildlife and habitat issues, I focused on mitigation measures involving creeks, wetlands, open spaces, rare and endangered species, and certain other natural resource issues such as water quality. I have not generally looked at mitigation measures involving air quality, toxics, traffic, archeological resources, or a host of other environmental concerns.

I chose to look at many projects I had dealt with in the past in my positions as Environmental Advocate and Executive Director of the Santa Clara Valley Audubon Society. Other projects were identified in SCVAS' previous efforts to explore the issue of mitigation monitoring. Still more came from recommendations of planners, consultants, government agency employees, and other environmental advocates.

Some projects outside of Santa Clara County were chosen from the California Office of Planning and Research's CEQA database (www.ceqanet.ca.gov). This turned out not to be a particularly good method of choosing projects to investigate. Too often projects I began to look at from the state database turned out not to have been approved, not to have been constructed, or simply did not involve substantial resource values.

Once a project was chosen for investigation, the degree of effort devoted to that project varied greatly, from several hours to more than two years. The reasons for this disparity are myriad, including availability of documentation, scale of natural resources involved, my own familiarity with the project, and the degree of cooperation I received from staff. Where documentation itself was adequate to determine that required mitigation measures had been fulfilled, I could move on quickly. Where multiple problems of documentation, interpretation of mitigation requirements, timing, compliance and other issues arose, the projects seemed to take an inordinately long time to work through.

Document review represented a large portion of the time spent in this effort. In addition, I spent considerable time in discussion with employees of various local, state, and federal agencies as well as consultants. As occasions arose, I dealt with planning commissions and city councils in the region. Site visits were also common, although issues of trespassing render such visits of limited utility.

In addition to working on individual projects, I tried to look at local government systems of mitigation monitoring and made recommendations for improvement when appropriate. This

occurred primarily in the City of San Jose and Santa Clara County jurisdictions, but I touched on these more systemic issues with other jurisdictions as well.

[For an example of how problems with individual projects can be used to improve overall systems of monitoring, see the case study regarding the Corde Valle Golf Course in Appendix D]

I also met with one state legislator to discuss this project and possible legislative changes to CEQA that might aid local jurisdictions in mitigation monitoring. Potential legal challenges were discussed with a number of attorneys and others, yet no legal actions arose from this project. Finally, I discussed potential recommendations for changes to the law or local jurisdiction processes with numerous people I encountered over the course of my investigations.

It's Not Just CEQA

While this report focuses on CEQA almost exclusively (as CEQA is the primary State law in enunciating and addressing environmental harm from development), I do not wish to give the impression that permit compliance and mitigation monitoring are solely concerns related to CEQA. **The typical large development project will require a number of permits, and most all of these permits will contain conditions, some of which might be called mitigation measures. Therefore, compliance for any project actually involves compliance with all relevant permits, and a number of agencies could be responsible for permit compliance, in addition to the governmental entity actually approving the project's CEQA documentation**.

As related above, one of the precursors to this project on mitigation monitoring was an effort by SCVAS focused on permits issued by our Regional Water Quality Control Board to protect water quality. Other common permits involving biological resources would include Streambed Alteration Agreements, issued by the California Department of Fish and Game, permits to fill jurisdictional wetlands, issued by the U.S. Army Corps of Engineers, or permits for protection of federally listed threatened or endangered species, issued by the U.S. Fish and Wildlife Service. All of these agencies have staff who work on permit enforcement, although all would no doubt assert, with reason, that they simply do not have the staff to monitor all of their permits effectively, in addition to other hindrances such as vague wording of requirements, the extent of their enforcement authority, and real or perceived lack of cooperation from other governmental entities.

In this project, SCVAS chose to focus almost solely on local governments and their responsibilities under CEQA to ensure that mitigations are completed effectively. Numerous other projects and studies have focused on permit enforcement effectiveness of other government agencies. No governmental entity can or should be held to an absolute standard of effective permit monitoring and enforcement. Nonetheless, we can and should hold local governments to a higher standard for CEQA compliance with mitigation monitoring requirements. These broken CEQA promises bring true harm to land, air, water, wildlife, and virtually every Californian.

Mitigation Monitoring in Practice

Beyond the Simple Legal Analysis

Like many complicated things, mitigation monitoring and enforcement can be made to sound relatively simple. As discussed in the legal section of this report, California State law provides that all developments of a certain size and gravity produce a mitigation monitoring plan and then subsequent progress reports to "ensure" that those mitigations get done. The plan must be approved prior to or at the same time as project approval, meaning that as soon as such a project is approved, a city or county planning department (or public works department, etc) should have a copy of the plan, and thus a clear path forward. Progress reports should be checked; sites may need to be visited to oversee compliance efforts; and if something goes wrong, the planners or another enforcement arm of the Lead Agency should become aware of the problem and take steps to deal with it.

The actions laid out in the above paragraph involve myriad details, and resulting inconsistencies, and things can grow quickly out of hand. The following section of this report describes some of the typical problems encountered by a Lead Agency performing mitigation monitoring, or by an individual attempting to track mitigation compliance, and attempts to discuss some solutions to those problems (these might be better termed steps forward, since true solutions are not likely). Many of these forward steps are most appropriately taken by planning departments, and the departments themselves could take several, without permission from local decision-makers. Other forward progress, however, would require action by the decision-making bodies of cities and counties.

The basis for this list and accompanying discussion is based on my own experience in pursuing these projects over more than two years. Thus, to an extent, this is a chronicle of some of the hurdles I encountered in trying to research mitigation monitoring on a variety of projects. While individual projects I looked at varied considerably in type, complexity, documentation, and staff responsiveness, trends quickly began to emerge. Perhaps of equal use to the reader, I will relate some of the mechanisms I tried in overcoming these obstacles.

While individual project investigations can and have led to some valuable results, in the end, **addressing a Lead Agency's overall program would seem to have the most impact over time.** However, making positive changes to a city or county's mitigation monitoring system would generally only impact future projects, leaving problems from past projects largely unaffected. I have yet to identify a systemic approach to addressing potential problems from past projects that would not be: a) costly in terms of staff time or funding for outside assistance to the Lead Agency, and b) cumbersome for those involved. Thus I would expect a generally negative response in requesting a Lead Agency to undertake a broad investigation of past mitigation compliance, though they should be willing to investigate individual projects from the past when potential problems are pointed out.

With that as preamble, I move onto common problems that emerged during the course of my investigations and possible ways to address those problems.

In General, Paperwork Matters

We often hear of endless government bureaucracy focused on paperwork rather than the services that actually matter to the public. It's an easy way to criticize government inefficiency—wasting time on paperwork.

In my experience with mitigation monitoring, paperwork matters. The heart of tracking down mitigation compliance, or lack thereof, lies in document research (although site visits and other tasks can play an important role). Documents missing, mislabeled, incomplete, difficult to find, or vague in their wording can make tracking mitigation monitoring a nightmare. In my opinion, the first thing a planning department can do to make mitigation monitoring work better is to work on their document trail. With a trail to follow, this research can be fairly easy, for a planner or the public. However, many of these trails are muddy at best.

Naming and Labeling

To start with, there is a problem with naming. It appears that some, perhaps many, Lead Agencies do not use the label "Mitigation Monitoring and Reporting Plan" or do not do so consistently. The further back in time one goes, the less consistency with naming is found. For example, in the City of San Jose (supposedly a relatively sophisticated city for planning) the term Mitigation Monitoring and Reporting Plan was not used consistently until 2004, after SCVAS began working on the issue of mitigation monitoring with the City.

To some extent, this problem can be traced back to the relevant laws and regulations, which do not specifically call for a unified name for the central document to be used in mitigation monitoring. Of course one could argue, "What's in a name…?" However, the practical problem that emerges is that a given planner, consultant, or member of the public often cannot trace this seminal document easily. I have encountered city clerks who did not seem to have heard the term Mitigation Monitoring and Reporting Plan, making even the first steps of document research difficult.

If a project approval does not have a document specifically listed as the MMRP, this does not mean that mitigation measures were not required of the project in accordance with CEQA. Such mitigation measures can often be found under labels such as "Conditions of Approval" or "Project Requirements" or as part of a more generic label of project environmental documents linked to the CEQA documentation. Since the law states that a mitigation monitoring plan must be approved at or before the time of project approval, typically a reference to whatever name or form this plan takes can be found in a city clerk's office by asking for the project approval documents and findings made by the decision-making body on the day of project approval. Many jurisdictions have a standardized method of labeling their mitigation monitoring plans, even if they do not use the term MMRP. Often, however, the labels for these documents change from project to project even within one jurisdiction, depending perhaps on the planner or the environmental consultants involved.

In perhaps the worst example of this problem I encountered, one San Jose project appeared to have no MMRP or any document labeled "Conditions of Approval" or some equivalent. After some time, with help from planning department staff, I was shown a blueprint-like plan, with a list of requirements written in small type in one corner, and I was told that the list was the only equivalent of an MMRP they could locate. While extreme, this example and ones like it must inevitably lead to real difficulties for anybody, no matter their planning or legal experience, to track compliance for the project concerned.

So one of the first, easy steps to take for a local jurisdiction is to standardize naming across projects. Ideally, all jurisdictions would standardize around the term MMRP. EIR consultants do seem to be heading in this direction, so this problem will likely improve over time. Citizens involved in the planning and approval process should request that the term MMRP be used to ease future tracking efforts.

Not All Required Mitigation Measures are in the MMRP

Even if clearly labeled as part of an approved MMRP, conditions or requirements of a project may appear incomplete upon first research. The MMRP or other form of mitigation monitoring plan will often refer to documents produced in the CEQA process, to staff reports, or to other project approval documents. These subsidiary sources may then contain mitigation measures required of the project, but not mentioned in detail in the MMRP.

To an extent, this practice is understandable, even beneficial. Mitigation measures can be complex, and an MMRP containing detail of each required mitigation measure would often be an unwieldy document, difficult to work with in tracking future compliance.

However, this practice creates problems as well. To track the requirements of a large project—and I speak here not of subsequent reports following up on compliance, but just trying to determine the original requirements—may mean finding a dozen documents, perhaps located in different places (e.g. a planning department, a public works department, a city clerk's office, and one or more consulting companies). This can provide a profound hindrance to accurate tracking of the project over time by those responsible within the Lead Agency. It can also mean frustration for an outside party with questions about compliance. As a side issue, this practice to an extent undermines one of the fundamental concepts underlying CEQA—that of informed decision-making. **When multiple documents contain the required mitigation measures for a project, local decision-makers and the public will have a difficult task in understanding the environmental ramifications and remedial actions of a project during the approval process.**

Since it does not seem reasonable to expect that all documents containing required mitigation measures be included in an MMRP, the question becomes one of improving the identification and location of subsidiary documents. **I would recommend that planning departments reference, within the MMRP or equivalent document, all other documents containing required mitigation measures, as well as where these documents will be housed into the**

future. Of course, the best path would be for all such documents to be housed in one location—typically a planning department. Again, citizens involved in the approval process can and should request this kind of clarity.

Continuity Through Subsequent Permits

Like the old game of telephone—where one person speaks a message to another, and that person gives the message to a third, etc.—mitigation measures tend to get lost or warped as they move from the first phase of approval through subsequent phases. The CEQA process and initial project approval often lead to subsequent zoning permits, recordation of a tentative map, and grading and construction permits, amongst others. Even if good mitigation measures are approved initially, they can get lost in this subsequent chain of events. They may never reach site inspectors for the Lead Agency or the developer's construction managers onsite.

As planning departments computerize, there exists a better opportunity to see that mitigation measures get transferred from the original level of permits to subsequent levels. **One of the accomplishments of SCVAS' efforts in mitigation monitoring occurred when the City of San Jose altered their planning documentation software to include a field for mitigation monitoring.** The end result is simple: a box gets checked signifying "mitigation monitoring required," and that box then carries on to subsequent permits. While by no means foolproof, this simple step may go a long way towards consistent monitoring efforts.

Missing Documents

Often legally required documents just go missing, or perhaps were never created in the first place. If the latter, then there may have been a legal violation of CEQA that went unnoticed. Due to statute of limitation issues, such lapses generally cannot be corrected. If the former, tracking compliance will be difficult.

I have not kept statistics on how many projects I encountered with missing documents. However, I would estimate that more than 50% of the projects I looked at suffered from this problem. Sometimes the documents might be considered minor—such as a pre-construction survey for bats—but other times they were clearly major—such as reports on the completion and/or success of riparian and wetlands mitigations measures concerning significant acreage, or a completely missing MMRP itself.

Clearly, if required documents are missing, a fundamental problem arises in tracking compliance. However, a subtler problem arises as well. This has to do with **a basic assumption that once a project is approved and conditions are set, those conditions will be met. This assumption is so nearly universal that it becomes an institutional hurdle to tracking mitigation compliance.** Without basic documentation, it becomes difficult to impossible to show that a project has not complied with its required mitigation measures. One is left trying to prove a negative in a world of assumed positives.

Obviously, the burden should be on the developer and/or Lead Agency to show compliance. This seems the basic thrust of the law, which requires that Lead Agencies create plans "designed to ensure" that mitigations are complete and states that the Lead Agency "remains responsible" for those commitments until they are completed. In reality, the burden seems to be on the planner or citizen asserting that a mitigation measure may not have been completed, or not completed satisfactorily.

The progress to be made here comes in shifting that burden of proof—in assuming that a required mitigation measure has not been completed until documentation clearly shows that it has been. At this point, I have no solid recommendation or example for how this shift can be accomplished.

Who has the documents?

Unfortunately, as mentioned above, documents are housed in a variety of places. Most of the time, documents can be found either in a planning department or a city clerk's office. However, many exceptions exist. For public works projects, such as road building, the public works department may house the documents. Special districts such as flood control districts or natural resource conservation districts house their own documents, even though local cities and counties may be involved in their project approvals.

Perhaps the most difficult situation concerns documents held by consultants or developers rather than Lead Agencies. Consultants and the staff of development companies typically play a huge role in mitigation monitoring. Whether a Lead Agency relies on self-reporting (i.e. compliance reporting from the project applicant/developer) or takes on monitoring responsibilities itself, consultants and developers perform a good deal of the work. I should add a caveat here: SCVAS' efforts have focused on impacts to biological resources, where consultants play a more important role than some other areas of mitigation compliance, such as traffic mitigation or building site inspection.

Consultants and developers, being private companies, are not subject to public document legal requirements. Thus, when a consulting firm houses mitigation monitoring documents and does not transmit those to the Lead Agency, those documents can be difficult to find. For example, in searching for a pre-construction Burrowing Owl survey for a project located in the City of Sunnyvale, I was told by the responsible planner, "Perhaps the consultant company in Chicago has that." (Paraphrasing) In such a situation, it becomes difficult to even know whether the document was ever generated, yet alone how to get a copy of it. I have run across situations where consultants claim documents to be privileged client information, even though lodging those documents with the Lead Agency would appear to be required.

The bottom line here is that **all documents relevant to mitigation monitoring should be housed by the Lead Agency—ideally, one department within the Lead Agency.** Again, citizens participating in the project approval process can request that all documents dealing

with mitigation monitoring for a given project be publicly held, in one place, and subject to Public Records Act requests. Planning departments should specify in project approval conditions that all documents showing compliance or lack thereof with required mitigation measures be sent to a specific department for centralized housing.

Tough-to-Track Mitigation Measures

The very nature of certain mitigation measures leads to ambiguity and some difficulty in determining compliance. It is convenient when mitigation measures can be easily quantified, such as an in-lieu park fee imposed on a residential development for increased impacts on local parks. However, many standards are more subjective, requiring the judgment of a staff person or consultant to determine whether the measure has been adequately accomplished.

This subject has been written about often in scholarly works on environmental impact analysis and mitigation monitoring, and thus I will not attempt to duplicate many elements of that discussion here. Suffice it to say that vague wording, subjective judgments, and interpretation of conditions can play a major role in determining whether a project has complied with its mitigation requirements. Given the tendency, mentioned above, to assume that requirements have been met until proven otherwise, it is an uphill battle to argue the gray areas of mitigation requirements.

The previous sentence obviously argues for the reduction or elimination of ambiguity where possible. **However, ambiguity and subjective judgment can work to the advantage of natural resource protection as well, and it would be unwise to assume that more specificity would inevitably lead to better results.** Nature can often not be pinned down to specific quantifiable measurement, and thus this problem of determining mitigation compliance will and in fact should continue. Nonetheless, planners and citizens will find mitigation monitoring much easier if they attempt to delineate what documentation will be required in order to show compliance with required mitigation, even if that documentation contains subjective judgments.

Hostile Staff

Many government employees have been quite helpful in my mitigation monitoring investigations. Even those that are not pleased to help often do so courteously as part of the routine of their job. However, more often than I would have expected, I met outright hostility towards what I was trying to achieve. Phone calls were not returned; defensive attitudes were openly on display; in one case, I was repeatedly blamed for delaying progress on the project.

When such problems appear at the staff level, I recommend raising the issue to the decision-making bodies of the jurisdiction (e.g. City Council or Board of Supervisors). The staff will likely remain hostile, perhaps become even more hostile, but they will often be

more responsive as well. When the decision-makers themselves are also hostile—well, good luck. [See case study on the Institute Golf Course in Morgan Hill—Appendix D]

Public Records Requests—An Essential Tool

While it is no panacea for the absurd amount of document problems one can encounter investigating mitigation monitoring, one of the best tools the public has access to is the California Public Records Act (PRA). [Government Code, Sections 6250 through 6270] The PRA is intended to give citizens access to a wide range of public documents. Most California activists dealing with the government will have some knowledge of PRA requests, even if they have not used them themselves. However, since many still underutilize this law, I will go further into its basics.

To play through a scenario, say a citizen or community group wants to investigate the mitigation monitoring records for a quarry near their home, concerned about disappearing open space and air quality in their neighborhood. The local County Board of Supervisors issued the quarry's permit, after environmental review under CEQA. There are several ways to attempt to get these documents.

The first way might be to ask the quarry company for their records. In general, I do not recommend this. While the quarry may have the requested documents, they will typically not have any legal responsibility to turn them over to whoever asks, and they sometimes will simply not produce the documents requested. I have also encountered developers and consultants who only turned over documents favorable to their companies. In general, I suggest avoiding asking private companies for documents. Clearly the best route is through the government, even if the government then has to ask the private companies to supply the documents.

Another course of action would be to walk up to the front desk of a planning department or clerk's office with a request for the documents desired. The Public Records Act actually mentions this as one way the public should be able to acquire documents. For many simple documents—such as the agenda for the next city council hearing—this face-to-face, immediate approach works well. However, for the back files of larger development projects, this method generally proves frustrating. Most government departments do not have sophisticated methods of document search, so a request for a particular set of documents can take time.

Calling a planning department and asking for the documents you want can also be effective. However, there seem to be infinite ways to delay such requests, especially in larger jurisdictions with many development projects. First, finding the right planner can be difficult, due to turnover. Next, people are always busy and will get to your request when they can, or they are sick or on vacation. Also, often they simply do not return calls or emails promptly, especially if they think you may be stirring up trouble. As a result, you can end up calling or emailing repeatedly, which is actually the right thing to do, since squeaky wheels do generally get greased eventually. However, **writing a formal request has**

advantages over other methods; the request is easy to fill out and often saves you significant time.

Writing a Public Records Act (PRA) request is fairly easy. Many examples reside online. I will include two examples from my work as appendices to this report. [See Appendix E] The first example is simple and can be used as a template for a first try in most any circumstance. The second example is more aggressive, and can be used when other methods of requesting documents have failed or when you believe the governmental entity may try to hide something.

In general, with documents regarding development projects, whether you use a PRA request or not, the city or county you are asking often will often not produce precisely the documents you request, but instead will provide you access to the entire project file. Depending on the size of the file, hours of work may lie ahead to find the documents you are interested in. Because the PRA does not allow agencies to charge you for staff time, only for copies, very few are willing to put in much time finding exactly what you are requesting.

To save costs, it's generally best to go look at the documents in the planning department or other governmental office. Copying costs can be expensive, and typically you will only need a small fraction of the project files, unless you are initiating legal action.

In the course of this project, I far too often relied on the good will of planning department and other government staff persons to provide documents in a timely manner. It would have been far more efficient of me to write a lot of PRA requests. Please learn from my mistake.

Conclusion

It would be logical to assume that compliance with both the letter and the spirit of the laws regarding mitigation monitoring would improve over time, with or without the urging of the environmental community. However, as the scholarly work in this area seems to show, such an assumption would be mistaken. Many if not most local governments have not made significant improvement in this area for years, and budget cut-backs may lead to even worse performance in the future. It will likely take an ongoing and significant focus by the environmental community to see overall performance in mitigation monitoring improve. It is my hope that this report, and the SCVAS projects leading up to this report, will provide others with both insight as to how to proceed and reasons for doing so.

I came to this project having some experience with the issues involved, expectations of making substantial progress on the local level, and hopes that my work would have broader impact. Certainly, the local impact materialized, but the broader impact will have to be left to future efforts. I hope these written guidelines can serve that purpose. I leave this project with at least three strong impressions:

- This work is worthwhile, and others should try it, so that we may build up a body of knowledge that may make a serious dent in a problem that is costing California a great deal of natural resource values.

- This work is harder, and especially more frustrating, than I had expected. Because CEQA does not provide clear enough legal responsibility and clear direction for the Lead Agencies of the state, someone attempting to address this issue does not control his/her own destiny. The problem of document acquisition best exemplifies this. No matter what tools CEQA and the Public Records Act can give a concerned citizen or organization, a recalcitrant, lazy, or hostile planning department, consultants, developers, and politicians can retard progress, seemingly for as long as they wish. This seems to be the case even when problems appear clear-cut upon first impression.

- Even a small amount of work in this area can yield impressive, on-the-ground results. There are so many mitigation compliance problems out there, and at least some people willing to help correct them, that even a modest effort can recapture some important resources we would otherwise lose for good.

In addition to those three major impressions, I have four recommendations for readers of this document interested in making a serious effort to resolve mitigation monitoring problems locally or on a broader front.

1. First, some organization should reach out to a small group of people in the state who have shown an interest in the area of mitigation monitoring and convene a meeting/forum for discussion to mull over the issue of mitigation monitoring in general, work done to date in this area, and possible future work. Ideally, each

participant would come to the meeting having read the law and some of the most relevant scholarly work regarding mitigation monitoring, and I hope they would read this report as well.

2. More people should try what I have done, albeit on a smaller scale. There are two reasons for doing this: First, if you find a mitigation monitoring and/ or compliance problem in your area (and if you search for a reasonable amount of time, you will), you can with some diligence and fortitude make a small difference for the natural resources around you. For someone who has not done this before, I would recommend that you follow my "simplified" mitigation monitoring pathway. [See Appendix A] Doing so should provide an activist with a good shot at identifying and addressing a problem. Because of course not all projects have problems, I would recommend that you either: a) pursue a project that you already know or suspect might have a problem, or b) pursue three or four larger projects at a time, giving you a better overall picture of performance in your area and a better shot at finding a problem you might then address. Second, we should build up a better record showing that mitigation monitoring problems are, as I suspect, widespread in California and not just technical in nature—in other words, that real and significant resources are being lost.

3. Attorneys and legally–minded others should get together to discuss a possible legal strategy for moving forward on the issue of mitigation monitoring. Further research should be done into whether other attorneys have attempted work in this area, and what their results were. Potential strategies should be discussed and, if the group were to choose one or more to pursue, a project management regime should begin. It is perfectly understandable that such a group might decide that there is no currently viable legal approach to make considerable progress on this issue. If so, I recommend moving on to my final recommendation.

4. Activists should approach one or more legislators about possible, incremental improvements to CEQA that could improve mitigation monitoring statewide. In Appendix I, I offer my thoughts for what might be politically possible while being effective, but I make no claim that these ideas are exhaustive on the subject. Considering the scholarly work done to date, the work of SCVAS to date, and the work of a few others who have attempted to grapple with this issue, **I believe we have enough information to make a credible claim that this area of CEQA is deeply flawed and deserving of legislative attention.** However, this argument would be greatly bolstered if more examples of problems and attempted solutions were to come in from other areas of the state. Thus, my second recommendation—that others activists further explore this issue in their areas—may be a prerequisite to this legislative recommendation.

While the area of mitigation monitoring has not been a strong focus of the environmental community in advocating on proposed development, there are some quite useful academic studies on the subject as well as a few examples of case law in the area and a small track record of other individuals who have addressed this issue. I mention some of these past

efforts throughout this report. I hope that this investigation into local mitigation monitoring performance complements and adds to this growing body of knowledge. However, I also emphasize that additional work is needed to make substantial change in this field. While SCVAS will continue to make mitigation monitoring part of its core environmental focus, SCVAS encourages others to continue with these efforts in their communities, with the desire that eventually larger-scale improvements will be made and thus resources more fully protected.

I end with a small story, from a law conference in Oregon more than a decade ago. An An environmental lawyer from India related his long and only partially fruitful attempts to enforce a provision in the Indian constitution requiring that all citizens respect nature and work towards its betterment. He concluded his talk by saying:

> 'Surely we all feel at times that we are simply beating our heads against a wall. No doubt, we will emerge with bloody heads…but I think we may have some effect on the wall also."

Appendix A

Simplified Mitigation Monitoring Pathway

The following is an attempt to simply lay out how a citizen might go about investigating and acting upon a mitigation monitoring issue. Commentary on some of the steps is provided in brackets, to better explain why the step is needed or refine how it might be done.

1. Choosing a Project to Investigate
    a. If you already know of a project(s) that you want to investigate, go to step #2
    b. If you do not know which project(s) you want to investigate
        i. Best to ask a long-time activist/consultant/planner/politician in the area for project name(s) that may bear fruit
        ii. Look at the state Office of Planning and Research (OPR) website (www.opr.ca.gov) for the CEQA Database (www.ceqanet.ca.gov)
            1. Choose an EIR(s) or a Mitigated Neg Dec(s) that is at least three years old but not before 1995 [documents too recent may lead you to a project that has not begun yet; documents too old will lead to an argument by the local jurisdiction that everything has changed since then and old problems prove nothing or simply cannot be tracked]
            2. Choose a project that appears to have the impacts you wish to look at [The CEQA database includes a basic subject matter list for most project documents]
        iii. Call the applicable planning department and ask the current status of the project (e.g. was it approved? Has construction begun? Has construction finished?) [This will help prevent you from spending time on a project that has not generated adequate information to investigate]

2. Document Retrieval
    a. Call the planning department for your project(s) and ask to come in and review documents, specifically:
        i. The original Draft and Final EIR or Mitigated Negative Declaration
        ii. The approved Mitigation Monitoring and Reporting Plan (or equivalent document(s))
        iii. Any subsequent documents identified as Mitigation Monitoring Reports or any documents showing compliance or lack thereof with required mitigation measures [It is especially important to make clear that you are requesting these documents as well, since these are almost always the hardest documents to find]
    b. Get the name of the planner most likely to know about the project(s) for future reference
    c. If you want to create a paper trail of your investigation, draft a Public Records Act request (see page ??) for the documents you wish to find and send that request to the city of county clerk [Generally these requests do not go straight

to the planning department but instead use the clerk's office as an intermediary]

3. Document Review
    a. Review the original Draft EIR o Neg Dec for the issues you are interested in [Generally, start with the summary of impacts and mitigations at the front of the document and then proceed to the more detailed information after that]
        i. Take notes on the impacts you are most interested in and their associated mitigation measures or mark the relevant pages for copying
        ii. Pay particular attention to future documents named within required mitigation measures (e.g. the need for a "Riparian Habitat Management Plan" or the requirement for an Army Corps 404 permit to fill wetlands) [Noting these specific document requirements now will help to craft subsequent requests for specific documents]
        iii. Beware of "tiered" documents, where a Supplemental EIR, for example, builds upon a previous EIR [You may need to read both to find all the applicable mitigation measures]
    b. Review the approved Mitigation Monitoring and Reporting Plan (or equivalent document)
        i. Again, look for those impacts and mitigation measures you wish to focus on
        ii. Pay particular attention to timing (e.g. a mitigation measure which is required "prior to recordation of a Tentative Map" or "prior to construction") [It is easier to identify when a mitigation measure has not been complied with if you have a specific time horizon for when it should have been started or completed]
        iii. Pay attention to which party is responsible for which actions that will lead to compliance (e.g. the developer is responsible for planting the trees while the city is responsible for approving the tree planting plan) Local governments will often try to say that the developers and/or their consultants are responsible for compliance actions, yet typically the government has some specific actions, and associated documentation, that they are required to take on as well.
    c. Review subsequent monitoring reports, if available
        i. If you are lucky, there will be a master document tracking mitigation compliance; however, generally numerous documents will have to be reviewed
        ii. Look specifically for documents named in your review of (a) and (b) above
        iii. These are the documents most likely to be missing, so keep track of what you expected to find but did not

4. More Document Retrieval and Review
    a. Ask the planner most knowledgeable about your project to find those documents which you believe are missing

b. Write a Public Records Act request (see page ??) for documents you believe to be missing [If you have not already been keeping a paper trail of your investigation, now is a good time to start, as you may know specifically which documents should be on record to establish compliance with required mitigation measures]
c. If the planner or whoever is helping with document retrieval acknowledges that monitoring documents are missing or cannot be found, ask that a letter be sent to the developer and/or consultant requesting these documents (see Appendix C) for a simple example of such a letter) and that the letter containing a specific date by which they should be submitted
d. Give adequate time for document retrieval (under the Public Records Act, typically the government has ten days to respond in some manner)

5. When Documentation Problems Arise (and they will)
    a. Do not give excessive time for the problem to be corrected [If you get no response within ten days to a records request, call or write again, and again]
        i. If you do not get an adequate response after repeated requests, write to the city/county planning commission and/or council/board of supervisors or attend a public meeting and make your request publicly [Local government employees may not be used to requesting mitigation monitoring documents from older projects, so asking the decision-makers to in turn ask their staff to find the documents may be needed to get a reasonable response]
            1. Remind them that this is not just about paperwork, but rather that real losses of natural resources may be at stake [Basically, you want to remind them that they made a promise to protect the environment and that that promise may not have been kept]
            2. This is where keeping a paper trail of your past attempts to retrieve information and the specific documents you wish to find will be very helpful
        ii. For mitigation measures requiring the involvement of other agencies (e.g. DFG, US FWS, Regional Water Board), asking those agencies to request the documents sometimes yields better results
    b. Keep track of common documentation problems [This may help if you later wish to suggest that your jurisdiction improve its overall program of mitigation monitoring]

6. Make a Site Visit
    a. Take maps etc. that you find while researching documents, as these may point to very specific things to look for
    b. Take a camera and document what you can, both problems and evidence of compliance [Your arguments that a monitoring compliance problem exists will be more credible when you can also show that other required measures have been performed]
    c. Beware of trespassing [Trespassing may be necessary to adequately review a site. I make no recommendations as to what to do in that situation. Stating the

obvious: if you can view an issue from off-site or ask permission to come onto the site, that is preferable.

7. When a Mitigation Problem is Uncovered
    a. Provide what documentation you can to the planning department or other applicable department (e.g. public works department for public road projects) and ask for them to pursue the problem
        i. Ask what they intend to do about the problem you raise, or what their options are, and hold them to that
        ii. Try to get them to give you an estimate of timing for their work in investigation and/or enforcement
        iii. If they do not do as they say or take an inordinate amount of time, raise the issue to the level of the planning commission or city council/board of supervisors
    b. Consider whether another government entity (e.g. DFG, US FWS) has separate enforce authority that they can pursue, and ask them to do so

8. When Multiple Mitigation Problems Arise
    a. Talk to staff about what changes could be made in their monitoring and documentation practices to deal with more common problems [Many very useful changes can be made without approval from above]
    b. Raise more common problems before the planning commission and/or city council/board of supervisors [Some problems will not be correctible without action by these governing bodies]

9. Learn from your frustrations.

Appendix B
Public Records Act Examples

The following are two examples of Public Records Act requests I sent out during the course of my work. The first is relatively simple and something like it should suffice in most circumstances. The second is more involved and was used in a situation where the Lead Agency had been less than diligent over some time in handling my requests for information.

#1

Wednesday, March 6, 2007

Peter Hu
Project Manager
Santa Clara County Roads and Airports Department
1505 Schallenberger Road
San Jose, California 95131

Re: Public Records Act Request—Stevens Canyon Road Improvement Project

Dear Mr. Hu,

On behalf of the Santa Clara Valley Audubon Society (SCVAS) and our 4000 members in Santa Clara County, and pursuant to our rights under the California Public Records Act (Government Code Section 6250, et seq.), I am writing to request copies of materials in the possession of the Santa Clara County Roads and Airports Department. SCVAS' mission is to maintain, preserve and protect native animal and plant habitats and to foster a greater public awareness of our environment, with an emphasis on birds and their ecosystems, particularly in Santa Clara County and the San Francisco Bay Area.

Specifically, I am requesting documents related to the Stevens Creek Road Improvement Project (Project). I am trying to establish whether and when the mitigation measures agreed to in the environmental documents relating to this project were performed. This is part of a larger SCVAS project tracking mitigation measures from a variety of local projects with impacts to natural resources. To this extent, our work should aid the County in ensuring that its environmental processes work to protect these resources adequately. We would be happy to share the results of our work with your staff. Therefore, the release of these documents is in the public interest.

I am enclosing a two-page letter from your office to SCVAS dated June 28, 2004. In it, you set out a timeline of actions needed to complete the mitigation for the Project. I am primarily looking for the documents, which would show that this timeline has been met, or explain why not. In addition, I would like the original Mitigation Monitoring and Reporting Plan for the Project, if one exists. Finally, I request any periodic updates of the mitigation monitoring of this project that have been produced by either your department or consultants under contract to your department.

Pursuant to Government Code Section 6253, we ask that you duplicate these files and forward them to us at the address below. We understand that you have ten days to respond to this request. We also request that you waive the fees or costs associated with retrieval or duplication of these records. SCVAS is a 501(c)(3) tax-exempt non-profit organization

acting in the public interest. If the County is unable to waive these fees and costs, please provide an estimate of costs, if any, to me at the address listed on our letterhead prior to making and forwarding the copies.

Thank you for attending to this request. If you have questions, please call me at (650) 851-2688.

Sincerely,

Craig K. Breon

#2

December 5, 2008

Mr. Richard Doyle
Office of the City Attorney
200 East Santa Clara Street, 16th Floor
San Jose, California 95113-1905

Re: Public Records Act Request—Cinnabar Hills Golf Course

Via: Email and Fax to the Office of the City Attorney

Dear Mr. Doyle,

I write on behalf of the Santa Clara Valley Audubon Society, a nonprofit conservation organization with approximately 4000 members in Santa Clara County. Pursuant to our rights under the California Public Records Act (Government Code Section 6250 et seq.), I ask to inspect the following documents held by the City of San Jose:

All records generated or received from January 1, 1996 to the present concerning the Cinnabar Hills Golf Course, formerly known as the Tradition Golf Club (originally PDC 96-3-13, however, filing numbers have changed over time). This request is related to project approval documents and background for those, CEQA documents, and any documents related to compliance or noncompliance with conditions of approval and mitigation measures for the project. These records should include, but are not limited to, staff reports, reports by consultants, reports or correspondence from or to the representatives of the Cinnabar Hills Golf Course, The California Department of Fish and Game, and the U.S. Fish and Wildlife Service, and the Santa Clara Valley Audubon Society, Planning Commission and City Council minutes and actions, letters, emails, and hand-written notes. These records should include but are not limited to those generated by the office of the City Clerk, the City Manager, the City Attorney's Office, and the Planning Department.

I ask for a determination on this request within 10 days of your receipt of it, and an even prompter reply if you can make that determination without having to review the records in question. If you determine that any or all or the information qualifies for an exemption from disclosure, I ask you to note whether, as is normally the case under the Act, the exemption is discretionary, and if so whether it is necessary in this case to exercise your discretion to withhold the information. In any event, please provide a signed notification citing the legal authorities on which you rely if you determine that any or all of the information is exempt and will not be disclosed.

If I can provide any clarification that will help expedite your attention to my request, please feel free to contact me at (650) 851-2688 or ckbtravel@earthlink.net.

The Santa Clara Valley Audubon Society is a nonprofit organization registered with both the State of California and the United States governments. Disclosure of information requested is in the public interest in determining whether the City of San Jose and the Cinnabar Hills Golf Course are in compliance with California and Federal laws intended to protect natural resources in and around the City of San Jose. As such, I request that all fees associated with this Public Records Act request be waived in accordance with law. If such a waiver is not to be granted, please inform me as to costs associated with this request prior to producing the relevant information.

Thank you for your time and attention to this matter.

Sincerely,

Craig K. Breon, Esq.

Cc: Joe Horwedel, Planning Director

Appendix C

Letter Requesting Mitigation Monitoring Documentation

The following is a letter sent by the City of San Jose to a developer requesting mitigation monitoring documentation. The letter was sent at my request, as it appeared that the City had no such documentation on file. I provide this as a simple example of what to ask of a local government when monitoring documents can not be found,

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY

Department of Planning, Building and Code Enforcement
JOSEPH HORWEDEL, DIRECTOR

August 5, 2009

Metcalf Partners, LLC
c/o Lynn Jochim
3130 Crow Canyon Road, Ste. 310
San Ramon, CA 94583

SUBJECT: METCALF ROAD/BASKING RIDGE PROJECT MITIGATION MONITORING (PD ZONING FILE NO. PDC01-098)

Dear Lynn:

The environmental clearance for the above-referenced project included required mitigation to reduce the project's adverse environmental impacts. Please provide available documentation of successful implementation of all required riparian, vegetation and wildlife mitigation measures identified in the Mitigation Monitoring and Reporting Plan for the project.

This information request is part of a routine Department mitigation reporting procedure. Please return this documentation to Janis Moore of my staff within 30 days of the date of this request. Questions should also be directed to Janis at (408) 535-7815.

Sincerely,

Akoni Danielsen
Principal Planner

C: Braddock & Logan Group
Richard Mindigo, Environmental Consultant
Sycamore Associates, LLC, Biological Consultant

200 East Santa Clara Street, 3rd Floor Tower, San José, CA 95113 *tel* (408) 535-7800 *fax* (408) 292-6055
www.sanjoseca.gov

Appendix D

Recommendations for CEQA Comments

Often the issue of mitigation monitoring is not a subject of questioning and debate in the course of a CEQA analysis of a given proposed development project. This is perhaps shortsighted, since effective commenting during the CEQA process regarding monitoring and enforcement can only help to assure that the substantive CEQA mitigation measures in fact do what is promised when a project is approved. It may be possible, through the public comment process under CEQA, to improve mitigation monitoring from the outset for a development project. Clearly, this would be preferable to trying to fix a mess that occurs later. With that in mind, I provide suggested CEQA questions and comments that are designed to sharpen the focus of a Lead Agency on the issue of mitigation monitoring.

The following questions and comments are designed to explore a Lead Agency's capabilities to monitor and enforce mitigation measures as well as to suggest best practices that can be used to increase the likelihood that mitigation measures will be implemented effectively. In responding to the questions and accepting or rejecting the suggestions, a Lead Agency may then commit itself to better management of the development project through time. If the Lead Agency does so commit itself, this may provide an additional legal argument in the future if a mitigation monitoring problem arises. At the very least, it will put the agency on notice that the commenter intends to pay attention to this area of the agency's responsibility.

First of all, it may be necessary to provide background or a rationale for such comments. Explain that the substantive mitigation measures imposed on the project (e.g. air quality, open space, riparian and wetland resources) will be less meaningful if an adequate system of mitigation monitoring is not in place. If possible, cite one or more previous examples of where the Lead Agency has not adequately performed mitigation monitoring, or even where the documentation for mitigation monitoring has been missing or incomplete.

It should be noted that CEQA questions and responses develop over time. As questioners get more sophisticated, or a new avenue of CEQA commenting is opened (e.g. recent comments on global warming), Lead Agencies, developers, and consultants learn appropriate responses, which are then passed on to the CEQA analysis of future development projects. It is my hope that as individuals or organizations use these sample comments (or other examples that exist out there) and expand on them, this area of land use will become more fleshed out and thus more effective.

I have twice submitted such comments on proposed projects in my area. In the first instance, involving a Mitigated Negative Declaration in the City of Cupertino, no written response was made (CEQA does not require written responses to all comments in the case of a Mitigated Negative Declaration). In the second instance, involving an EIR in the City of San Jose, the project collapsed in the midst of the CEQA process (largely due to more than 1000 pages of CEQA comments submitted by scores of commenters), and thus no responses to comments were issued.

Clearly, the unique circumstances of a given development project will allow a commenter to take the following questions and comments or other ideas regarding mitigation monitoring and enforcement and tailor them to best address specific circumstances. [See Appendix B for example] My suggestions are by no means exhaustive, but they attempt to get at the Lead Agency's system of mitigation monitoring, potential problems with that system, funding, and enforcement. As cited in the legal section of this report, the law in this area is somewhat vague, and the CEQA commenting process allows citizens to tighten up those requirements.

Sample Preamble

Public Resources Code Section 21081 requires a mitigation monitoring or reporting plan and "periodic reports" in order to "ensure" that mitigations required of a given development project are in fact implemented successfully. Clearly, the existence of an adequate system to monitor and enforce the required mitigation measures is necessary to ensure the public that those mitigation measures imposed on a development are completed. The following questions and comments relate to the City's (or County's, etc) system of mitigation monitoring both in general and as applied to this particular development project. As such, they are relevant to the adequacy of all mitigation measures imposed on the project, and therefore should be answered specifically in order to render those imposed mitigation measures legally adequate under CEQA.

Questions

- Will the City commit to enforcing each required mitigation measure contained in the Mitigation Monitoring and Reporting Plan, so that the public can be assured that identified environmental impacts will be reduced or eliminated in accordance with project approval documents?
- The City is required to "ensure" that all mitigation measures are carried out. What specific actions will the City undertake to make this assurance?
- Please describe the City's current method of mitigation monitoring.
- Does the City have a funding mechanism in place to ensure that lack of staff resources will not be an excuse for poor follow-through in mitigation monitoring?
- How does the City pay for staff time and resources spent in mitigation monitoring? Will this funding source continue at an adequate level throughout the period of monitoring required by this project?
- CEQA calls for "periodic" reports regarding mitigation compliance. How often will such reports be required, and what must those reports contain?
- What legal mechanisms does the City have in place to address problems with mitigation implementation or permit compliance? For example, can the City fine the developer, call the permit up for modification or revocation, or issue a stop-work order? Please list the possible enforcement mechanisms.
- If a mitigation measure is not performed, or is not performed adequately, what will the City do to ensure that the problem is corrected?

• If and when a problem with mitigation implementation is detected, how long will it take the City to address the problem?
• How can a member of the public bring a problem, or suspected problem, with mitigation compliance to the City, if one should be discovered? If an individual or organization does bring a problem forward, how will the City respond?
• If the City or the public identifies a problem with mitigation implementation, and the City does not then address that problem in a timely and effective manner, what recourse does the public have to ensure that the mitigations are fully implemented?
• If this project requires subsequent approvals from the City, what will the City do to ensure that the mitigation measures contained in the CEQA documentation and/or MMRP are incorporated into future project approvals?
• If the proposed project, or portions thereof, is sold to another company prior to completion of all mitigation measures, how will the City ensure that the mitigation responsibilities will fully transfer to the new owner(s)? How will the City ensure that the new owner(s) fully understand those mitigation requirements?

Comments

• The City should incorporate full cost recovery for mitigation monitoring services provided by the City to oversee the mitigation process. The City should incorporate as a condition of the development project that the developer would pay for all City staff time and resources spent in mitigation monitoring.
• Please identify the staff member(s) who will be responsible for ensuring that the mitigations imposed on this development are implemented. If responsibilities for monitoring or enforcement change to other staff members, or even other departments, in the future, how will those responsibilities be transferred, and will you inform the commenters on this document of such a change?
• The City should require at least yearly monitoring reports generated by the city or from the developer, tracking compliance with each and every mitigation contained in the MMRP. These reports should be public documents, along with any attachments, such as biologists' reports, that substantiate compliance or lack thereof. Any member of the public requesting so should be advised when the monitoring reports are submitted. The reports should continue until the city has determined that all mitigation measures are completed. The reports should also be sent to whoever asks for them, and we would like to receive them.
• The City's Planning Commission should agendize, at least annually, a status report on mitigation compliance for this development project. We would like to be notified of such a hearing if this request is accepted.
• Please specify where, in the future, all documents related to mitigation compliance will be located, so that the public may inspect them. All documentation, not just summary reports, should be considered public records.

Appendix E

Example of CEQA Mitigation Monitoring Comments—Coyote Valley Specific Plan

The following is an excerpt from CEQA comments I wrote for the Santa Clara Valley Audubon Society. I have excerpted only those comments dealing with mitigation monitoring. These comments do not follow precisely the recommended comments from Appendix A, as they predate my attempt to write standardized comments. I insert these comments here as an example that provides greater context than the generic comments of Appendix A.

> "Mitigation Monitoring
>
> As background, SCVAS has been working on the issue of mitigation monitoring with the City of San Jose for some time, with varying levels of effort. The basic issue is whether the mitigations committed to when a project is approved will in fact be fulfilled. SCVAS has found that in San Jose such mitigation commitments are often broken, and thus natural resources are lost.
>
> I will cite several references to past examples and practices. I do so to cast doubt on the City's basic ability to monitor and enforce the mitigation commitments in a document such as this EIR. Past practice here is relevant to current and future performance. If the public can not trust that the environmental protections enumerated in the EIR will be translated to the ground (and air and water), then each mitigation measure becomes itself suspect. CEQA requires Mitigation Monitoring and Reporting Plans to "ensure" that mitigations are accomplished. Nonetheless, the following examples show that such assurance does not currently exist in San Jose.
>
> • SCVAS discovered that some riparian mitigation associated with the Levine Residential Property and the Silicon Valley Boulevard Bridge over Coyote Creek had not been done. City staff at first made no response to SCVAS' request for documentation on the mitigation measures, and it took a letter from the Department of Fish and Game to get the City to ask Shea Homes for documentation. Shea responded, saying that they would now begin mitigation monitoring (some five years had passed since project approval, and Shea had finished developing the project at that point). As it turns out they had also not done wetlands mitigation on their site. Evidently, the City had never checked on the biological mitigations for this project until SCVAS brought the issue up.
>
> • In the Evergreen Specific Plan EIR, mitigation for the loss of riparian habitat due to various projects required the restoration of 12.6 acres of riparian habitat. This has never been done. SCVAS first pointed this out to City staff in 2003 and 2004, but the City took no action. Only after we pointed this out again to the staff and the

Council last year did staff attempt to look for documentation, and came up with very little. To date, there is only a faint chance that this restoration will occur.

• At Cinnabar Hills Golf Course, a required mitigation to protect California Tiger Salamander has not been done. When SCVAS pointed this out in 2004, City staff informed us that an alternate mitigation would be imposed. To date, that has not happened. Instead, City staff now maintains that because the species remains healthy on the mitigation site, the project has fulfilled its requirements. In other words, instead of requiring that the promised mitigation be accomplished, the City rests largely on luck to avoid its obligations.

• At the Dow Drive development on Communications Hill, mitigation for impacts to Santa Clara Valley Dudleya were installed but evidently never maintained. As a result, the resource has suffered. This has been pointed out to the City in the past, but no corrective actions were taken.

• On March 7, 2007, SCVAS issued a Public Records Act request to the City asking for Mitigation Monitoring and Reporting Plans (MMRPs) and/or Mitigation Monitoring Reports for six separate projects. To date, it seems the City can only provide the requested documentation for three of the six projects, and some of the documentation located still could not confirm that required mitigation measures had actually been completed.

• I have been told in emails from Planning Department staff that these documents are now online, and that the public should look there for them. A recent meeting with a records keeper for the Planning Department proved otherwise. Picking a project at random from a past SCVAS database (the Riverside Golf Course) I asked for the original MMRP and any subsequent monitoring reports. She searched for approximately 45 minutes on the database and could not find them. A second, shorter data request then also led nowhere.

• The City imposed a specific fee on Mitigated Negative Declarations and Environmental Impacts Reports in 2004. The fee was intended to ensure that mitigation monitoring was done properly. Nonetheless, a recent SCVAS Public Records Act request showed that no attempt has been made to see that the fee is adequate; there is not tracking of staff time related to this issue (and thus we can not know if the fee is being put to the use it was intended); and there appears to be no work plan or regular progress reports for the staff to show activity or improvement in mitigation monitoring.

All the above examples support the generalized comment that the City has in the past and continues to this day to be unable to adequately track compliance with mitigation measures required as part of project approvals on numerous past projects.

There is a tremendous problem with documentation in the City. SCVAS has requested documents for nearly 20 projects to date. We have received documentation on about half of those projects, and often only after months of asking. I will attach as evidence of this a portion of a database that was compiled in 2004 by an SCVAS intern. You can see that many requests for documents led to partial or total failure.

The documentation problem stems from many causes. Among them are:

• The main system that tracks developments in the Planning Department (the AMANDA system) does not track mitigation monitoring.

• Often, the mitigation monitoring documents that do exist show numerous occasions when what was in an original EIR or other CEQA document was not then translated to the subsequent documents used by planners and inspectors as development occurred.

• There has been no staff person or persons specifically assigned to work on mitigation monitoring (until perhaps last summer or fall; it is still difficult to tell).

• The staff almost never visits a site to see that the biological mitigation measures have been completed or were successful.

• Mitigation monitoring documents, if they exist, are often in the hands of consultants or developers, not with the City, and thus are inaccessible to the public for oversight.

• Mitigation Monitoring and Reporting Plans, where they exist, often do not contain a list of the required mitigations, but reference other documents instead. Thus, anyone trying to track compliance may have to look for multiple documents in different places (unless they can figure out the database better than the Planning Department's own record keeper).

With that as background, I will continue on to questions relating to mitigation monitoring and enforcement relating to the CVSP. However, since the problems are systemic within the City, any single project is affected by the errant system, and thus I will have to address the system as well.

1. Please identify the CEQA statutes and Guidelines that identify a Lead Agency's responsibilities for mitigation monitoring under CEQA and what they require.

2. Please describe the City's system of tracking, monitoring, and enforcement of mitigation measures, as they would relate to the CVSP.

3. Please identify one or more examples in recent years when the City has found a significant problem with a biology-based mitigation for a project and then corrected

that. When I asked the head of the Environmental Services division of the Planning Department this question in an email, he said he could not think of one.

4. Given the examples and problems mentioned above, what are the chances that the myriad mitigation measures contained in the EIR will be accomplished successfully?

5. What are the tools the city has to enforce against a developer once a problem with mitigation completion or success has been identified? What are the City codes or other powers that underlie such an enforcement action?

6. When a citizen or citizen's group identifies a problem with completion or success of a mitigation measure, what recourse do they have to correct such a problem within the City? If the City fails to act when notified of a problem, what recourse then does a citizen have?

7. Can adequate staff resources be dedicated to monitoring the CVSP mitigation measures? Please describe what those resources will be for the CVSP.

8. As an overarching mitigation measure, we request that—if this project goes forward—one or more staff members be specifically designated as coordinator(s) for the mitigation measures contained in the EIR and eventual Mitigation Monitoring coordination (I understand these staff members would change over time). If this were done, city staff and members of the public would know who to go to with questions or complaints, helping assure better monitoring.

9. Again, as a mitigation measure, I request that all mitigation measures be tracked and posted electronically to the web. An example of this with a large-scale project can been seen in San Francisco with the Mission Bay development. The URL is below. http://www.rbfconsulting.com/catellus/measures.asp

10. The EIR does mention formulation and adoption of a Mitigation Monitoring and Reporting Plan (MMRP). However, the EIR also mentions many other mitigation documents that may or may not be included within the MMRP. Is it not a legal requirement that the MMRP contain all required mitigation measures, to better ensure eventual compliance?

11. As an overarching mitigation measure, we request that there be a single Mitigation Monitoring Report that tracks mitigation measures associated with the CVSP. This document should be done at least annually, and compare the original requirements with what has actually been accomplished. The document and supporting materials should be public records easily accessible from the City.

SCVAS asserts that without answering these questions adequately and adopting such mitigation measures, the EIR is inadequate because it can not show that the mitigations required will actually be accomplished, and thus significant impacts

over a broad range of issues will not be reduced to a less-than-significant level. As evidence, we cite the examples and issues mentioned previously in this section of our comments, as well as the supporting materials."

Appendix F

Case Studies

Shea Homes' Basking Ridge Residential Project (a.k.a. how this all started)

In the year 2001, I was driving towards a site visit in east San Jose. In doing so, I passed over a bridge crossing Coyote Creek. The bridge had been constructed as the result of a large residential development project by Shea Homes, one of California's largest homebuilders at the time. As I drove over the bridge, I noticed considerable amounts of the plant Arundo donax in the creek below. Having worked on the approval of the housing and bridge project several years earlier, I vaguely recalled that removal of Arundo donax and revegetation with native riparian species had been one of the mitigation measures for impacts from bridge construction on the creek.

Later, back in my office, I wrote a simple letter to the planning department in San Jose, expressing my concern regarding the bridge mitigation and asking for documents showing that Shea Homes had in fact completed their mitigation requirements. The City sent no reply. I then called a local biologist with the California Department of Fish and Game (DFG), communicating my concerns with the bridge project and the lack of response from San Jose. DFG then wrote a letter to the City's planning department, requesting the same documents I had asked for previously. After some time, the planning department copied me on a letter from the department to Shea Homes, asking that the company submit all mitigation monitoring reports for the housing and bridge project. It appeared that the City neither had the documents themselves nor had previously asked Shea Homes for them.

The Shea Homes reply to the City was enlightening, hilarious, and a bit scary. While I no longer have the letter, the pertinent part said, to paraphrase, "Now that we have completed our project, we will begin mitigation monitoring." This was a virtual admission that they had not been performing required mitigation monitoring, as well as flying in the face of their permit requirements, which required various mitigations at different stages of the development process, not only upon completion of the project. The thought that Shea Homes—which holds itself out as one of the more experienced home developers in the state—would put on paper such a laughable statement led me to believe that mitigation monitoring was not receiving the attention it deserved and that developers knew they were often not watched closely.

In a rather ironic twist, the Shea Homes letter acknowledged that wetlands mitigation within their housing complex had not been done. They were admitting to something that was in addition to what I had originally noticed, perhaps not understanding my complaint. So, as it turned out, both riparian and wetlands mitigation for the project had not been performed, or not performed adequately. San Jose had no knowledge or documentation of compliance or

noncompliance, as if they had never checked the site or reviewed documentation for adequacy. I began to wonder how widespread this problem might be.

Corde Valle Golf Course (a.k.a. one project can lead to bigger change)

Given that there are going to be problems with individual projects and systems of mitigation monitoring, it would be ideal if problem projects produced better systems. This is an example.

The Corde Valle Golf Course—located in unincorporated Santa Clara County near the community of San Martin—received EIR clearance and permits in the mid to late nineties, with golf course construction beginning in 1998. From the beginning, it appears, multiple mitigation requirements went unperformed, and the County did not keep track of the project, although it had been high profile and contentious when approved. After a year or two, ownership of the golf course changed, complicating eventual attempts to track records or assign responsibility for what went wrong.

Only in 2003 did problems at Corde Valle come to light. Oddly, the San Jose Mercury News wrote a story saying that the golf course was violating its permit conditions regarding required public play (a non-environmental issue, which I shall not elaborate on). After this, the California Department of Fish and Game (DFG) and the Santa Clara Valley Audubon Society began to pursue possible other violations at the course. A report by DFG could find documentation for completion of less than ten out of nearly 30 environmental mitigation measures. SCVAS called upon the County Planning Commission to hold a permit modification or revocation hearing for the golf course, and eventually a series of meetings were held in front of the Commission and eventually the County Board of Supervisors. Early on, the golf course owners had committed to full compliance and began sinking considerable funds into the consultant time and on-the-ground work to see that things got done.

More than five years later, every mitigation measure has been complied with or is in progress towards completion. Some, like archeological resource investigations, were only done years after golf course play began, besides the fact that development of the golf course may have destroyed some of the resources involved. Others, such as wetlands mitigation for California Tiger Salamander, are not meeting success criteria, and thus ongoing work is required. Nonetheless, all parties consider the project essentially in compliance, as do I.

One lesson here is the expense of not performing required mitigations in advance. According to one of the lead consultants, a single year's billing for consulting services, site visits, etc. can run $1 million for the course. This is partially because of the modified conditions imposed by the Planning Commission in 2003 and the increased monitoring of the site since then. If Corde Valle had performed their required mitigations as originally permitted, many of these costs could have been avoided.

A more important outcome from this case study was its effect on the County, particularly the Planning Department. The County had been embarrassed in the press for their lack of

oversight and put through several difficult public hearings. In their zeal to improve, they imposed a number of new conditions on the golf course, including full-cost recovery for County time to oversee the permit.

Shortly thereafter, this concept of full cost recovery was incorporated into nearly all new conditional use permits and some other permits issued by the County. As a result, when County staff reviews mitigation compliance documents or performs a site visit, costs are recovered from the project developer. This in turn allows the County to keep a closer eye on a range of projects, often years into the future. It is now typical that a Planning Commission hearing will include updates on project permit compliance. One can only assume that this has induced project applicants to be far more vigilant in natural resource management and mitigation.

The Institute Golf Course (a.k.a. sometimes, you just can't win)

John Fry, CEO of Fry's Electronics, built and owns the Institute Golf Course, located in Morgan Hill. In 1998, sometime after taking over what was already a large property with diverse land uses, the City of Morgan Hill issued Mr. Fry a permit to regrade an old, nine-hole golf course on the site. Instead, he built a full eighteen-hole golf course—one of the largest (in terms of length) in the County. Afterwards, Mr. Fry claimed that a city staff person had given him oral permission to expand the course as he did.

Over the first two to three years of the building and play at the Institute, the City of Morgan Hill appears to have done very little (the records here are quite incomplete). Only after pressure from a number of outside sources—the Department of Fish and Game, the U.S. Fish and Wildlife Service, and media, and local environmental organizations including SCVAS, did the City become more earnest in their efforts, requiring an after-the-fact EIR and putting the Institute through a lengthy series of public hearings.

Thus arose a problem—how to determine the resource values that were on the already developed site before Mr. Fry built the Institute Golf Course? Many of those values would have been damaged or destroyed, while arguably others had been enhanced. The EIR eventually approved by the city assumed that a number of resources had been on the site, based on aerial photos, previous investigations, and other mechanisms. To what extent these resources were there beforehand will never be known. As a result, it could be argued that the Institute was forced to do more to comply with their EIR mitigation requirements and permit conditions than they would have if the project had been legally built in the first place. Mr. Fry has certainly argued this.

Thus, by the time the Institute received authorization for its EIR and an "interim" permit for play on the site, years of violations had already occurred. However, that was only the beginning. The combination of a developer with a penchant for violating the law and a city almost wholly unwilling to actively enforce that permit unless pressured from the outside continues to this day.

Almost immediately after the interim permit was issued, the Institute began to violate its conditions. Unfortunately, the resource agencies and the environmental community had largely moved on to other issues, leaving the City responsible for the bulk of permit enforcement. Even more unfortunate, Morgan Hill was reluctant, to say the least, to cross Mr. Fry.

It is difficult to avoid a sort of tabloid journalism when discussing the relationship between the Institute, John Fry, and the City of Morgan Hill. Mr. Fry and other Fry's Electronics employees had been and perhaps remain prominent givers of political and/or charitable donations within Morgan Hill and the surrounding area. At one point, the Mayor of Morgan Hill held a fundraiser out at the Institute, despite the fact that it had not yet received its permits and was therefore illegally built. In addition, Fry's Electronics (or some legal entity associated with it) hold land in Morgan Hill, and holds out the possibility that one day that land could be the site of the Fry's corporate headquarters, which would mean tax dollars and prestige for the City.

Thus, when violations of the interim permit came to light, the City again used little of its legal authority to deal with the issue, typically claiming that everyone involved was making "good faith" attempts at compliance. Nonetheless, on several occasions, permit conditions were changed, often favoring Mr. Fry's desires. Wetlands protections were altered to accommodate better play; a mitigation fee for Burrowing Owl conservation was lowered dramatically, under dubious reasoning; numerous deadlines were extended, and, when not met, extended again. Meanwhile, City staff reports to Council dealt with the repeated violations of permit conditions and timelines by listing conditions as "in process," never or almost never describing them as violations. City staff, council members, Mr. Fry and his associates typically blamed many of these problems on failed consultants, recalcitrant government agencies, bad timing, new information, and changed circumstances.

The Santa Clara Valley Audubon Society and other local conservation organizations worked for years on the Institute Golf Course and its pathetic record of illegalities and permit violations—working with City staff or government resource agencies, filing complaints, addressing the issue in the media, and appearing at public hearings.

Sometimes, however, long and earnest efforts seemingly have little effect. In 2007, the City of Morgan Hill issued a "final" permit to the Institute, with new conditions, often relaxing either the standards or the timelines of the interim permit. Nonetheless, the Institute violated the very first timeline in the new permit, and again the City did little, despite strong rhetoric from the City Council. Mr. Fry has subsequently entered into a jurisdictional dispute with the Department of Fish and Game that continues to this day, most likely under the perception that DFG, unlike the City, might impose requirements that Mr. Fry finds truly objectionable.

Most recently, the City issued a permit modification to the Institute in early 2009, again relaxing former timelines. For this golf course that was built in the late 1990's, some mitigations will not have to be performed before the end of 2011, and the permit contains provisions for extensions beyond that.

It can certainly be argued and is likely true that the involvement of the environmental community, including SCVAS, improved the situation for natural resources at the Institute site. Nonetheless, a powerful developer and a reluctant city can be a towering wall to move.

Santa Clara Valley Water District—Monitoring Innovations (a.k.a. monitoring ideas for interrelated projects and issues)

(The information below is based on information provided to me by Louisa Squires at the Santa Clara Valley Water District, and I borrow liberally from her language)

The Santa Clara Valley Water District (Water District) is responsible for wholesale water supply and flood management in Santa Clara County. In addition, in recent years they have added natural resource stewardship to their core mission. With more than 700 employees and an annual budget of more than $300 million, the Water District represents the third largest government agency in Santa Clara County. Because many of their projects deal with riparian and wetland resources, as well as upland habitat management, water quality, and a host of other environmental issues, the Water District's mitigation monitoring responsibilities are massive.

In 2003, the District began a process to integrate their mitigation monitoring requirements. Deciding that project-by-project mitigation monitoring was inefficient and expensive as well as underperforming for the environment, they launched development of their Ecological Monitoring and Assessment Program (EMAP). This project, still in development, consists of four components.

• Ecological Monitoring and Assessment Framework: This is the science-related part of the project. It deals with the management questions that should be answered by monitoring activities and is creating an approach to systemic monitoring.

• Ecological Quality Assurance Systems Requirements: This part is developing standardized protocols and processes for ecological data collection, in order to assure quality control across a broad spectrum of monitoring efforts.

• Ecological Monitoring Information Management System: This will be a database covering the entire Water District jurisdiction. The initial focus is on a Mitigation and Monitoring Activities Database, collecting information on all the Water District's mitigation monitoring responsibilities into a centralized inventory. The Water District is considering whether, in future years, a more regional database of information, containing responsibilities of other local jurisdictions, is an option.

• Ecological Monitoring Program Systems Plan: This part of the program deals with the administrative end of monitoring—tracking costs, program performance, and making recommendations for program improvements.

While the names may be daunting and ring of environmental bureaucracy, the attempt is an admirable one. Essentially, the Water District realized that it might achieve better results for the environment, for permit compliance, and for their financial bottom line by moving away from project-based mitigation monitoring to a more holistic approach. While the law does not allow the Water District to avoid reporting and compliance requirements for each individual CEQA project, this effort may allow them to better manage their individual project responsibilities within a larger context. Also, information generated by individual project monitoring might then be used more generally for natural resource management. Results will come over the next few years.

Such an idea might be worth considering for other large government agencies handling dozens of complex mitigation projects at a time. For more information on this Water District effort, contact Louisa Squires, Senior Project Manager, at 408-265-2607, extension 2745.

Mission Bay Mitigation Tracking (a.k.a. the future for monitoring large projects?)

The Mission Bay Project in San Francisco—huge in scope—has incorporated a website specifically for mitigation monitoring that could serve as a model for other large-scale projects of many types. The project encompasses more than 300 acres and is mixed-use in character, meaning that there are residential, commercial, and industrial components, which can lead to environmental impacts of very different types in close proximity to each other. In addition, the area is surrounded by existing neighborhoods and businesses.

CEQA commenting from these adjacent areas regarding the Mission Bay Project was voluminous, and the mitigation monitoring website was one response to those comments—intended to ensure the public that commitments made during the CEQA process could be tracked quite closely and with relative ease. The mitigation monitoring website can be found at www.rbfconsulting.com/catellus/home.asp and has an easily identified area to click for a "quick reference" guide for first-time users.

Visitors to the site can view each separate area of the larger project for a description of what was approved for that location and the current status of that given area of the larger project. Since many large projects build out in phases, and individual mitigation measures are often dependent in their timing on the phases of the project, this aspect of the website helps someone trying to determine compliance with mitigation measures.

Block-by-block, the website then coordinates the required mitigation measures with the various phases of the project and identifies timing as well as who is responsible for reporting requirements. Because the website was developed for the major developer of the project, Catellus, it unfortunately does not cover some areas of the overall project, but it does try to direct the viewer to where information might be found for those areas not covered by the website.

The site can still be difficult to manage, yet for a project of this scope, it represents an honest attempt to capture what can be a daunting task even for professionals into a package that is, to an extent, usable by laypersons.

Unfortunately, many local jurisdictions still use paper documentation for both the project approval process and efforts at mitigation monitoring. However, increasingly CEQA and project approval documents, such as MMRPs, can be found online. It is much more rare to find mitigation monitoring documents online—most likely, this is because few members of the public ask for them.

However, CEQA advancements often spread from one local jurisdiction to others throughout the State. For example, when CEQA commenters started raising the issue of carbon emissions from development projects, local jurisdictions and the consultants they hired quickly learned from one another how to respond to such comments. Eventually, with many local jurisdictions taking varying positions on how to respond to comments on climate change, the State stepped in and issued their first ever set of guidelines on the subject.

It would be most useful for a similar process to occur for mitigation monitoring. If more CEQA commenters raised the subject, Lead Agencies would inevitably learn better how to respond. Ideally, some form of online mitigation monitoring methodology would emerge. Examples such as Mission Bay will serve as pioneers, and over time standardization would occur, so that organizations interested in mitigation monitoring would not find online results increasingly easy to compare across projects and jurisdictions.

Appendix G

Basic Legal Analysis

In May of 2005, the State Bar of California sponsored an environmental law conference in San Diego. Among the panels was one entitled "Mandamus and CEQA Proceedings," including the typical panel presentations followed by a Q&A session.

At the end of the Q&A, the very last question of the day was from a woman in the back of the audience, who asked, "What do you do if someone doesn't complete their CEQA mitigation?" [Paraphrasing] One of the most well known CEQA lawyers in the State responded, "That's a good question." This response points strongly to the need for further legal exploration of this field.

Since then, I have corresponded with another leading CEQA attorney—an attorney who represents primarily the pro-development side of CEQA cases—on this subject (he asked not to be named here). He asserted that state law is clear that Lead Agencies (see definitions) must prepare a mitigation monitoring and implementation document, and that those agencies must have the legal authority needed to enforce their required mitigation measures.

That much is true, but it leaves a large question hanging in the air. If a city, county, or other Lead Agency does not wish to enforce the required mitigations for a project, what recourse is there for an individual or organization to fill the void and attempt to force compliance? This fundamental question remains unanswered, but I will attempt to shine some light on it and other legal aspects of mitigation monitoring.

The purpose of the following section of this report is to provide a brief overview of the relevant laws, regulations, and cases regarding mitigation monitoring and enforcement. At the end of this section, I pose some questions and offer comments as to a possible future course of action in clarifying the law in this area. **In addition, in the appendices to this report, I supply some sample CEQA comments that might help a community group in improving mitigation monitoring for a proposed project going through the CEQA process in their community. Also in the appendices, I suggest modest legislative changes to CEQA, clarifying mitigation monitoring responsibilities that I believe would go a great way towards improving performance at the local level**.

Definitions

For the non-lawyers reading this, I begin with a few definitions, attempting to keep them simple and thus perhaps simplistic from an attorney's point of view:

• CEQA, the California Environmental Quality Act, is the law that requires development projects to produce documentation elucidating their environmental impacts and what might be done to reduce, eliminate, or compensate for those impacts.

• EIR, or Environmental Impact Report, is the most complete document required for some projects under CEQA.

• A Mitigated Negative Declaration is a lesser document as compared to an EIR, required of some projects under CEQA. Both EIRs and Mitigated Negative Declarations trigger the requirement for a mitigation monitoring plan.

• An MMRP, or Mitigation Monitoring and Reporting Plan, is a document, required of some projects under CEQA, that lays out the required mitigations for a project and thus should be the primary guide for monitoring and enforcement of that project as it unfolds. This name is not mandated by law, but is increasingly common.

• A Lead Agency, typically a city, county, or other government agency, approves or denies the environmental documentation produced for a project undergoing CEQA review and approves or denies the project itself. The Lead Agency then becomes the primary enforcement authority for the MMRP, although other government agencies besides the Lead Agency may also play a role in monitoring and enforcement, typically when additional government permits are required of the project.

• A Responsible Agency is a government agency, not the Lead Agency, which may have jurisdiction over certain environmental impacts associated with a project undergoing CEQA review. The Responsible Agency may impose additional mitigation measures on a project and may thus become the primary agency responsible for enforcing those additional mitigation measures.

• The CEQA Guidelines are produced by the California Office of Planning and Research (OPR) and contain the regulations that, in addition to laws passed by the State Legislature, make up the rules governing CEQA review of projects. While the Guidelines are not laws passed by the legislature and signed by the governor, courts typically give the Guidelines nearly the same weight as laws when making decisions on CEQA cases.

Current Law

The primary law concerned here is the California Environmental Quality Act (CEQA). The language of CEQA can be found in the Public Resources Code for California, beginning with Section 21000 and continuing on from there. In California, every county is required to have a public law library, and each of those libraries should have a copy of the Public Resources Code. However, some rural counties do not have the resources to open a dedicated law library, and thus their "public law library" may be housed in a local public library or even in a judge's chambers. You can find out where your public law library is by going to www.publiclawlibrary.org.

To begin with an analysis of the relevant sections of CEQA relating to mitigation monitoring and reporting, start with Public Resources Code Section 21081, which states in part:

"…no public agency shall approve or carry out a project for which an environmental impact report has been certified which identifies one or more significant effects on the environment that would occur if the project is approved or carried out unless…

(a) The public agency makes one or more of the following findings with respect to each significant effect:

(1) Changes or alterations have been required in, or incorporated into, the project which mitigate or avoid the significant effects on the environment.

(2) Those changes or alterations are within the responsibility and jurisdiction of another agency and have been, or can and should be, adopted by that other agency."

To reduce this to less legal language, a public agency (generally a city, county, or state agency) must attempt to mitigate each significant environmental impact identified in an Environmental Impact Report or Mitigated Negative Declaration. Because not all significant impacts can be mitigated, these agencies are, under certain circumstances, allowed to avoid mitigation by signing a Statement of Overriding Considerations, but I will not go into that here. In general, once the CEQA process is finished, each EIR or Mitigated Negative Declaration should have identified all significant environmental impacts associated with a project and then laid out specific mitigation measures to reduce or eliminate those impacts. As subsection (2) above allows, a governmental agency may delegate the detailing and implementation of some mitigation measures to other governmental agencies having jurisdiction over certain issues. An example of this would be an EIR that mitigates significant impacts on water quality by saying that the project applicant is required to obtain a water quality permit from the local Regional Water Quality Control Board. You may encounter similar delegations to the state Department of Fish and Game, the federal Fish and Wildlife Service or Army Corps of Engineers, a local Air Resources Board, or other governmental entities.

I thus move on to how the law tracks and enforces those promises.

Section 21081.6 of the Public Resources Code gives us the next piece of this puzzle, saying in relevant part:

(a) "When making the findings required [to approve an EIR and the associated project] or when adopting a mitigated negative declaration…the following requirements shall apply:

(1) The public agency shall adopt a reporting or monitoring program for the changes made to the project or conditions of approval, adopted in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program shall be designed to ensure compliance during project implementation. For those changes which have been required or incorporated into the project at the request of a responsible agency or a public agency having jurisdiction by law over natural resources affected by the project, that agency shall, if so requested by the lead agency or a responsible agency, prepare and submit a proposed reporting or monitoring program."

First, note that this section refers not just to projects requiring an EIR, but also to projects approved under a Mitigated Negative Declaration. Both these documents must lead to a reporting or monitoring program, increasingly called a Mitigation Monitoring and Reporting Plan (MMRP).

Second, note that not only is the governmental agency with primary approval authority over a project required to comply, but any public agency that imposes mitigation measures or conditions of approval on such a project regarding environmental impacts under its jurisdiction should also comply. For example, if the Department of Fish and Game is to require mitigation measures under a Streambed Alteration Agreement to reduce or compensate for impacts to a riparian area, it should also adopt a monitoring and reporting regime to ensure that those mitigation measures are completed. In fact, at times, this does not occur. It can be difficult to find reporting and monitoring plans issued for a project by governmental agencies such as DFG, a Regional Water Quality Control Boards, or others. While such documents may exist within these other agencies, they are often not then sent to the Lead Agency. The CEQA Guidelines clarify this further by stating:

> "A public agency may delegate reporting or monitoring responsibilities to another public agency or to a private entity which accepts the delegation; however, until mitigation measures have been completed the lead agency remains responsible for ensuring that implementation of the mitigation measures occurs in accordance with the program." CEQA Guidelines, Section 15097 (a)

At times, I have encountered Lead Agencies which try to shrug off their responsibilities by saying that a given mitigation measure is the responsibility of another public agency. **The above section of the Guidelines should then be used to remind the Lead Agency of their ongoing responsibility to ensure completion of the adopted measures.**

Section 21081.6 goes on to state that the adopted mitigation measures must be enforceable:

> "(b) A public agency shall provide that measures to mitigate or avoid significant effects on the environment are fully enforceable through permit conditions, agreements, or other measures. Conditions of project approval may be set forth in referenced documents which address required mitigation measures or, in the case of the adoption of a plan, policy, regulation, or other public project, by incorporating the mitigation measures into the plan, policy, regulation, or project design."

Thus, not all mitigation measures need be contained in the adopted monitoring or reporting document approved by the Lead Agency. They may, for example, reference another document, such as a biologist's report recommending mitigation measures to protect an endangered species. That document need not be included in whole in the adopted monitoring or reporting document, but it should be referenced. Also, a mitigation measure may not be specific to a given development project, but rather take the form of a change to a plan or

policy adopted by the Lead Agency. Thus, in the case of an EIR reviewing changes to a city's General Plan, for example, impacts to riparian areas may be mitigated by adopting a city zoning policy specifying a certain setback of new development from local streams, which would apply to all future projects rather than only one specific development project. Future CEQA documents for specific development projects might then just reference compliance with that setback policy as adequate mitigation.

Some further, logical questions arise from the above law. What form does the required monitoring or reporting program take, and what is the difference between monitoring and reporting? Clarifications to these questions are found in the CEQA Guidelines at Section 15097 (c), which was adopted in 1998. Taking the later question first, the Guidelines state:

> "The public agency may choose whether its program will monitor mitigation, report on mitigation, or both. 'Reporting' generally consists of a written compliance review that is presented to the decision making body or authorized staff person. A report may be required at various stages during project implementation or upon completion of the mitigation measure. 'Monitoring' is generally an ongoing or periodic process of project oversight. There is often no clear distinction between monitoring and reporting and the program best suited to ensuring compliance in any given instance will usually involve elements of both."

The Guidelines then go on to relatively useless delineation of when reporting or monitoring is appropriate before stating:

> "Reporting and monitoring are suited to all but the most simple projects. Monitoring ensures that project compliance is checked on a regular basis during and, if necessary after, implementation. Reporting ensures that the approving agency is informed of compliance with mitigation requirements." (Guidelines, Section 15097 (c)(3))

In my experience, monitoring is by no means checked on a "regular basis" for a majority of projects and agencies are often not "informed" of compliance or lack thereof. Therefore, this language may be useful in reminding a Lead Agency of its responsibilities. This language might also be useful in a court challenge where a plaintiff is trying to show a lack of monitoring or reporting.

A subsequent section of the Guidelines contains a list of "standardized policies and requirements" that may be adopted to "guide individually adopted monitoring or reporting programs." (Section 15097 (e)) The list is helpful in thinking about what details should go into a typical MMRP, so I reproduce it here:

> (1) The relative responsibilities of various departments within the agency for various aspects of monitoring or reporting, including lead responsibility for administering typical programs and support responsibilities.
> (2) The responsibilities of the project proponent.
> (3) Agency guidelines for preparing monitoring or reporting programs.

(4) General standards for determining project compliance with the mitigation measures or revisions and related conditions of approval.
(5) Enforcement procedures for noncompliance, including provisions for administrative appeal.
(6) Process for informing staff and decision makers of the relative success of mitigation measures and using those results to improve future mitigation measures.

Combining the above-mentioned language that a monitoring program must be "designed to ensure" that mitigation measures are implemented along with Section 21081 stating that mitigation measures must be enforceable, the law emphasizes that the Lead Agency cannot simply adopt the measures and then say that it is the project applicant's responsibility to complete those measures.

A key question then arises: if a Lead Agency does not enforce its own required mitigation measures, what can a community organization or even an individual do to force that governmental agency to comply with the law? This question has not been well hashed out in the courts, and I will leave it to later in this section to discuss this further. For now, suffice it to say that mitigation measures take a wide variety of forms (permit conditions, signed agreements, the language of a new policy, etc.), and it can be difficult to figure out exactly how a given mitigation measure can be enforced, but no matter what form a mitigation measure takes, the Lead Agency is responsible for ensuring that the measure is enforceable.

CEQA Cases Regarding Mitigation Monitoring

At this point, I will address a number of California cases that are relevant to an interpretation of mitigation monitoring and enforcement requirements under CEQA. I will begin each case with a layman's question, which the case attempts to elucidate.

What does it mean that a Lead Agency's monitoring program must be "designed to ensure" that mitigation measures are implemented?

Federation of Hillside and Canyon Associations v. City of Los Angeles, 83 Cal. App. 4th 1252 (2000)

In the *Federation* case, community groups challenged an EIR supporting the adoption of a general plan framework which projected future growth in the City of Los Angeles, impacts related to that growth, and adopted mitigation measures. The key issue here was traffic. While the City adopted a transportation improvement mitigation plan, by their own admission, the City acknowledged that many of the adopted traffic mitigation measures would be difficult to fund or implement.

The court found that the City lacked substantial evidence to show that the traffic mitigation measures were required under the adopted general plan framework and that the City had failed to show that the mitigation measures would in fact be implemented. The court relied

on Public Resources Code Sections 21081.6 (a) and (b) to support rejecting the City's action. The court went on to state:

> "*The purpose of these requirements is to ensure that feasible mitigation measures will actually be implemented as a condition of development, and not merely adopted and then neglected or disregarded.*" (*Federation*, page 1261)

This case is most helpful for challenging a project upon its initial approval. The Lead Agency must adopt the mitigation measures in a form that represents a solid commitment to implement those measures. Mitigation measures adopted in the form of "if technically feasible" or "if funding is available" are highly suspicious. This case does not answer the question of whether a community group can force a governmental agency to enforce its own adopted mitigation measures.

Another relevant case here is *Sacramento Old City Assn. V. City Council*, 229 Cal. App. 3rd 1011 (1991). There, the court upheld an EIR, which, while not adopting specific mitigation measures for traffic impacts, nonetheless committed to study traffic impacts and prepare a transportation management plan. The court found that adoption of that traffic management plan implied a commitment to adopt specific mitigation measures in the future and thus represented a binding commitment to those mitigations.

What if a governmental agency decides not to fulfill a mitigation requirement after it has already been adopted?

Napa Citizens for Honest Government v. Napa County Board of Supervisors, 91 Cal. App. 4th 342 (2001)

In the *Napa Citizens* case, citizens groups challenged a supplemental EIR and updated specific plan for development near a county airport. The County Board of Supervisors had eliminated mitigation measures imposed years earlier on the original specific plan for the area, finding that those mitigation measures were infeasible. The EIR challenge claimed that a Lead Agency could not eliminate previously adopted mitigation measures. The court disagreed, finding that CEQA allowed for flexibility and changed circumstances so long as certain findings were made and those findings were backed by substantial evidence. Essentially, the court said that a Lead Agency could change or eliminate mitigation measures so long as they have a legitimate reason for the change (i.e. the originally adopted measure is infeasible), and that reason is supported by substantial evidence. (*Napa Citizens*, page 359)

In making its decision, however, the court in *Napa Citizens* did not intend that Lead Agencies should easily abandon mitigation measures. The court stated, "…the deference provided to governing bodies with respect to land use planning decisions must be tempered by the presumption that the governing body adopted the mitigation measure in the first place only after due investigation and consideration." (Ibid.) "In other words, the measure cannot be deleted without a showing that it is infeasible." (Ibid.)

Thus, when a Lead Agency refuses to enforce a previously adopted mitigation measure, one way they can do so legally is to go back, analyze the environmental impacts of deleting the mitigation measure, and adopt a finding that the measure is infeasible, perhaps for technical or financial reasons. However, a court should look at that deletion with a jaundiced eye, assuming that the mitigation measure when first adopted was feasible, and not allowing the Lead Agency to delete the measure simply because the agency (or the developer involved) no longer wishes to fulfill its promise.

A case that develops this concept a little further is *Lincoln Place Tenants Association v. City of Los Angeles*, 130 Cal. App. 4th 1491 (2005). In *Lincoln Tenants*, residents challenged the demolition of certain apartment buildings, stating that the City of Los Angeles had not followed previously adopted mitigation measures regarding demolition and had not found that those mitigation measures were infeasible. The court agreed, stating that the City had not gone through the proper course of action to delete or modify a mitigation measure (in accordance with *Napa Citizens*) and was thus bound by the previously adopted measure.

A refinement added by the *Lincoln Tenants* court states that the change or deletion of a mitigation measure must be included in a Supplemental EIR and thus be subject to typical CEQA procedures, such as circulation for public comment. This logic is disputed by at least one CEQA treatise (see *Guide to CEQA* by Remy, Thomas, Moose, and Manley) and, in my opinion, a Lead Agency might, unfortunately, be able to abandon mitigation measures in a lesser process that largely avoids a complete CEQA evaluation. Nonetheless, a Lead Agency or developer cannot simply respond that a mitigation measure was abandoned or will not be enforced because of changed circumstances or financial or technical infeasibility without first engaging in some form of public process.

When must an adopted mitigation measure be completed, and when can an individual or citizens group try to enforce a mitigation measure that remains incomplete?

Christward Ministry v. County of San Diego, 13 Cal. App. 4th 31 (1993)

In *Christward Ministry*, a church challenged an EIR for a local landfill expansion, citing as one reason that the adopted mitigation monitoring plan did not include specific dates by which the mitigation measures were to be implemented. The court upheld the monitoring plan, stating that the adopted mitigation measures were linked to specific phases of the development (e.g. "prior to initiation of grading"). (*Christward Ministry*, page 49) A second principle enunciated by this court states that the mitigation monitoring plan does not have to be contained in the EIR, draft or final, itself. Rather, the monitoring plan must be adopted prior to final approval of the project. It is typical that Mitigation Monitoring and Reporting Plans are separate documents from the EIR or Mitigated Negative Declaration associated with the project.

Generally, a Lead Agency should prepare a Mitigation Monitoring and Reporting Plan that includes either specific dates for mitigation implementation or a plan which links mitigation deadlines to phases in the development process. However and unfortunately, I have often encountered adopted mitigation measures that include neither a specific date nor a link to a

development phase. If such a mitigation measure then goes undone, when can an individual or citizens group attempt to enforce the promise? There does not appear to be any court case addressing this issue. For now, I would say that a reasonable amount of time should be allowed. In addition, if a citizen encounters a mitigation promise that he/she believes has been broken, early notification of the Lead Agency is advisable. This notification will establish that the Lead Agency is aware of the problem, and hopefully cut short later possible arguments that the mitigation measure has simply not been done yet or that the agency was unaware that it had not been done.

Other Informative (but not published) Legal Cases

In general, attorneys often restrict their legal analysis of an issue to a discussion of published cases, since these are the cases that would have some authority as precedent in a current day court. However, I wish to mention a couple of non-published mitigation monitoring cases here, as they might be of help to an individual or community organization pursuing the issue of mitigation monitoring.

The first case is *Save Our Peninsula Committee v. County of Monterey* (2000), a case that settled and thus never rose to the level of an appellate court. In the *Save Our Peninsula* case, the plaintiffs asserted that Monterey County had routinely failed to create mitigation monitoring and reporting plans as required by CEQA. The plaintiffs cited nearly twenty projects in a previous five-year period that had been approved without mitigation monitoring plans. While the ability to challenge many of these projects individually under CEQA would have been barred by the statute of limitations, the plaintiffs asked the court for a writ of mandate directing the County and various officials within it to comply with the law in the future and to review past projects for mitigation compliance.

In settlement, the County agreed to adopt mitigation monitoring provisions into its CEQA compliance guidelines and to review a variety of past projects for mitigation compliance. Subsequently, it was found that a number of those projects were not in compliance with required mitigation measures, and the County began to address those problems. From a discussion I had with the plaintiffs' attorney, compliance by the County with the provisions of the settlement has been spotty. Nonetheless, the plaintiffs in this case were able to use examples of past mitigation problems to both make the county's overall mitigation program more effective and to address past problems. This case could be informative for other areas that have chronic mitigation monitoring problems. The complaint for this case can be found under CASE NO. M 47847 (2000) in Monterey County.

A second case to mention is *Santa Clara Valley Audubon Society v. City of Morgan Hill* (2003). In this case, SCVAS sued Morgan Hill to enforce a mitigation measure requiring the city to adopt a Burrowing Owl management plan pursuant to an EIR for the city's redevelopment area. The EIR had been approved in 1999, and noted impacts to the few Burrowing Owls remaining in the city. The city required of itself, as a mitigation measure, to approve a draft Burrowing Owl plan then a final plan within given time periods. The city did

not then do this, despite SCVAS' efforts to point out the city's responsibilities and help them draft a plan.

SCVAS, utilizing the services of the Stanford Environmental Law Clinic, then sued, citing the Code of Civil Procedure, Section 1085, which states in part:

> "A writ of mandate may be issued by any court to any inferior tribunal, corporation, board, or person, to compel the performance of an act which the law specially enjoins, as a duty resulting from an office, trust, or station, or to compel the admission of a party to the use and enjoyment of a right or office to which the party is entitled, and from which the party is unlawfully precluded by such inferior tribunal, corporation, board, or person."

In short, this code section allows a court to require a city or county to perform a mandated duty under the law. In the SCVAS case, the city settled quickly, agreeing to adopt the Burrowing Owl plan, and thus the case never went to court.

This case provides an option for situations in which a Lead Agency requires itself to perform a mitigation measure. This does not necessarily apply to the more typical situation, where a private developer receives approval from a Lead Agency, which then has enforcement authority over the mitigation measures of that approval. However, since most MMRPs contain required duties not only for the project developer but for the Lead Agency as well (e.g. the developer must prepare a riparian habitat restoration plan, and the city must approve that plan before project construction can begin), this same code section might provide an avenue for forcing a Lead Agency to enforce mitigation requirements against a noncompliant developer.

The Question Remains

Looking at the laws, regulations, and some of the cases regarding mitigation monitoring, the basics of how monitoring and enforcement should occur are there, as related above. However, as my work and the work of others has shown, there will be times when mitigation monitoring and enforcement simply is not done or not done properly, resulting in the loss of natural resource values that we, the public, have a right to expect will be protected.

The Planning Section of this report (see below) discusses some of the common problems leading to lapses in mitigation monitoring, and further goes on to suggest ways to correct those problems and methods a citizen might use to track and, if necessary, correct a mitigation monitoring problem. Hopefully, when such a problem is brought forth to a Lead Agency, that agency would take on its legal responsibility to address the issue.

Nonetheless, there will be times when a clear problem with mitigation compliance arises, that problem is brought forth to the Lead Agency, and that agency decides not to take action. What, then, can an individual or community organization do to address this situation? One

line of thought may be, “Take them to court.” However, this path seems largely untested and frankly may not be available. Nonetheless, I believe it should be tried.

In general, a government has considerable discretion over whether or not to enforce its own laws. To give a simple example: you can not force the California Highway Patrol to ticket all vehicles exceeding the speed limit. The analogy could be made to the mitigation monitoring context: you can not force a city, county, or other Lead Agency to enforce its own mitigation requirements.

However, the law does say that a Lead Agency must create a plan “designed to ensure” compliance with mitigation measures; and the law does say that a Lead Agency “remains responsible” for those mitigation measures until they are completed. It is this language, as well as the overall structure of the law in this area, that I believe affords an opportunity for some challenge to a Lead Agency’s decision not to enforce a required mitigation measure.

While possible legal challenges were discussed relating to some of the individual development projects I dealt with in the course of this SCVAS project, none came to fruition. It is my hope that, before long, a strong case(s) will be built to further explore the possibility of legal action forcing a Lead Agency to enforce its own requirements. Towards that end, I make a few recommendations.

First, the facts of the case to be brought (i.e. the violation of mitigation requirements) should be very clear. Resting such a case on a mitigation measure with vague language or an arguable timeline would be folly. If a judge is going to plunge into this seemingly new territory, he/she will need to be bolstered by nearly irrefutable facts.

Second, the resources at stake should be considerable. One argument against allowing private legal action to enforce mitigation measures will surely be that a judge allowing this would be opening the door to a flood of nuisance litigation on minor mitigation measures. This will be a tough argument to overcome. By ensuring that the mitigation measure(s) being litigated involve substantial resource values, a judge will be given stronger incentive to make a bold decision.

Third, the Lead Agency should be given adequate time to correct the problem on its own. What would constitute “adequate time” is unclear. There is no statute of limitations laid out in CEQA or the CEQA Guidelines. Suffice it to say that the Lead Agency involved should be given sufficient time to give the plaintiffs a strong argument that enforcement is not intended by the agency.

Finally, there would be an issue of where to bring the case. Judges are people and thus varied, and some judges may be more inclined than others to push the law in this area. Perhaps a good strategy would be to bring multiple cases in different localities.

A point should be made here that even losing such a case has some value. If it becomes clear, based on one or more unsuccessful attempts to force enforcement, that the courts are not going to force Lead Agencies to act, then the language of CEQA regarding “ensur[ing]”

compliance and "remaining responsible" for mitigations is shown to be hollow. That then builds on an argument to go back to the state legislature to push for reform of CEQA in this area.

A Potentially Innovative Approach

The following idea for an innovative approach to enforcing required mitigation measures comes from another attorney that I contacted during the course of this project. I include it here because it may offer an alternative approach for bringing a mitigation monitoring case, beyond the straightforward approach I discuss above.

The idea for this approach comes from a CEQA case entitled *Concerned Citizens of Costa Mesa v. 32nd District Agricultural Assn.* (1986) 42 Cal. 3d 929. In the *Costa Mesa* case, the City of Costa Mesa built, along with a private developer, an amphitheater near residential areas. While the CEQA process was followed in approving *an* amphitheater, the amphitheater actually built differed substantially from what had been approved by the city—it was larger both in size and capacity, and it was aligned differently, in a manner that residents said increased noise impacts from the site. The neighbors had not received notice of these changes, only learning about them after the amphitheater was constructed.

The plaintiffs, largely neighbors, filed a case calling for a subsequent EIR to address the project changes. However, they filed their case after the typical 180-day statute of limitations had run, counting from the date construction had begun. Thus, a fundamental question emerged as to whether the plaintiffs had filed their case on time.

The California Supreme Court sided with the plaintiffs, calling for additional environmental review despite the fact that the amphitheater had already been constructed. The court focused largely on the lack of public notice for the changes. Quoting from another case, the court noted that:

> "'CEQA compels an interactive process of assessment of environmental impacts and responsive project modification which must be genuine. It must be open to the public, premised upon a full and meaningful disclosure of the scope, purposes, and effect of a consistently described project, with flexibility to respond to unforeseen insights that emerge from the process.' (County of Inyo v. City of Los Angeles (1984) 160 Cal.App.3d 1178, 1185."

The court went on to say:

> "It cannot be doubted that some of the changes allegedly made in the project by the contract between the district and West could be characterized as substantial enough to require the district to file a subsequent EIR to assess their environmental effects, as required by section 21166, subdivision (a). [of CEQA]"

Finally, of the timing of the case brought by plaintiffs, the court said:

> "We agree that the action should not be barred simply because of plaintiffs' failure to file their action alleging a violation of CEQA within 180 days of the time construction of the theater began. The failure of the district to file a subsequent EIR in violation of section 21166, subdivision (a) deprived plaintiffs and the public of the opportunity to participate in the evaluation of the environmental effects of the project as finally approved.
>
> We can give effect to the statute, while simultaneously vindicating the Legislature's goal of promoting public comment on projects that may have environmental significance, by holding that the phrase "commencement of the project" in subdivision (a) of section 21167 refers to the project described in the EIR and approved by the agency. However, if the agency makes substantial changes in a project after the filing of the EIR and fails to file a later EIR in violation of section 21166, subdivision (a), an action challenging the agency's noncompliance with CEQA may be filed within 180 days of the time the plaintiff knew or reasonably should have known that the project under way differs substantially from the one described in the EIR." (42 Cal. 3d 938)

What might this case say about mitigation monitoring? It could be argued that when a project does not comply with its required mitigation measures, and when the Lead Agency involved does not correct the problem using its monitoring and enforcement authority, that the project has essentially been changed, and thus additional environmental review is called for.

This is not an easy argument to make. Relying on the language of CEQA Section 21166(a), the *Costa Mesa* court noted the "substantial" nature of the changes made to the amphitheater project. Thus, one would have to argue that the failure to implement one or more mitigation measures constituted a "substantial" change to the project. A judge would have considerable discretion as to what constitutes a substantial change.

The *Costa Mesa* case would appear to say that a plaintiff must file such a case within 180 days of discovering the project change[s] (here, the mitigation measure[s] not done), or within 180 days of when they should have known of the problem. Some of the projects mitigation problems I have tracked have taken longer than 180 days to resolve; others are still unresolved. While a Lead Agency should clearly have a reasonable amount of time to correct a mitigation problem once that problem is brought to their attention, a community group considering this legal approach would have to be cognizant of the 180 day timeline.

In all, I believe this legal approach would be a difficult one for a court to adopt in dealing with problems of mitigation compliance. However, it does give a court a precedent for doing so, without abrogating the basic concept that a city or county has considerable discretion over its own enforcement actions.

Appendix H: Scholarly Work on Mitigation Monitoring

I have previously noted that this project was not intended to be a scientific look at mitigation monitoring. I have the background of an activist and attorney, and that perspective was reflected in developing the original scope and description of this project. Nonetheless, there have been more-or-less scientific analyses of aspects of mitigation monitoring since the original passage of Assembly Bill 3180 in 1989. I shall cover two such efforts here.

Angell and Anderson Article

One recent article of use was published in the Spring 2006 edition of *The Environmental Monitor*, a quarterly publication of the Association of Environmental Professionals. In that article, authors Patrick Angell and Hilary Anderson, both consultants, look back at past scholarly work in the field and compare their current results with that past work. For this reason, I will skip a lengthy discussion of the previous studies and focus on the methodology and conclusions of Angell and Anderson, who performed the work for Pacific Municipal Consultants' (PMC).

PMC's methodology was similar to previous studies in its basic approach. They mailed a survey consisting of twenty-nine multiple choice or short answer questions to 303 cities and counties throughout the State. The questions were similar in content and wording to those asked in previous surveys in the 1990's. To quote the authors of the article,

> "The questions in the survey were geared toward evaluating the extent and success of mitigation monitoring that is taking place throughout California and to see how mitigation monitoring has changed over the fourteen-year period since the first survey was conducted."

The surveys were sent to cities and counties of varying size and spread geographically to see if regions might differ (e.g. Central Valley versus Bay Area). Of surveys sent, approximately 36% were returned, which the authors claim to be statistically significant for purposes of testing their hypotheses.

PMC then posed a series of hypotheses—generally geared towards noticing trends over more than a decade—and compared the various survey results over the years to analyze those hypotheses. In addition, they held more in-depth conversations with a variety of planning professionals.

Based on my work on this project, the conclusions of the 2005 PMC study and resulting 2006 article come as little surprise. To sum up, the authors state:

> "…it appeared that some jurisdictions are not writing mitigation measures that can be implemented or enforced successfully and more than a few jurisdictions are not monitoring mitigation measures or reporting as required by CEQA. The results of the previous surveys echo this finding."

The authors go on to state that their hypotheses had expected improved efforts over time, and thus improved results, from the jurisdictions involved. They say that "given the tendency" of planning programs to improve over time, and given refinements to CEQA and the Guidelines that had occurred in intervening years, such expectations of improvements were warranted. However, few such trends emerged from the data. The authors concluded,

> "As described in the 2005 survey results above, there appears to not have been substantial expansion of mitigation monitoring activities by cities and counties, though substantial changes to CEQA and the State CEQA Guidelines since 1989 have emphasized the need to ensure that adopted mitigation measures are properly implemented and monitored."

Finally, the article's authors identified likely reasons for the lack of significant improvement over time and made suggestions as to how, "with minimal cost," jurisdictions might improve their monitoring programs. As the suggested corrective steps are lengthy to quote here, I will simply list the five perceived roadblocks that led to their recommendations,

> "1. Lack of staff resources to perform mitigation monitoring and reporting.
> 2. Funding of work associated with performing mitigation monitoring and reporting.
> 3. Mitigation monitoring and reporting is not incorporated into local agency operations (EIR and MMRP end up on the shelf syndrome).
> 4. Perceived complexity of conducting mitigation monitoring and reporting.
> 5. Lack of enforcement process."

These are certainly all fundamental problems that others and I have encountered. As one might expect, the recommendations of those familiar with this topic also contain many similarities.

Sheeran Thesis

In a 2007 Masters Thesis for San Diego State University, author Melyssa Sheeran not only analyzed the same CEQA surveys mentioned previously (and other information), but conducted in-depth interviews with various participants in the CEQA process in an attempt to flesh out some mitigation monitoring issues from different perspectives. Since Ms. Sheeran's work was conducted more recently that past mitigation surveys, one might expect that a more modern picture of CEQA compliance would emerge, making her work valuable. Her resulting paper is entitled *Mitigation Measures: Implemented or Ignored*. The thesis is available from the library of San Diego State, but unfortunately is not available online.

Ms. Sheeran's analysis of the above mentioned statistical surveys—the same as analyzed by the PMC authors—comes to largely the same conclusion.

> "The survey data seem to indicate that mitigation monitoring and enforcement has not been very successful. In 1992, 82% of jurisdictions reported that they had inadequate staff, expertise, and funding to do monitoring. By 2005, 84% of cities reported having a program for mitigation monitoring and reporting but only 49% of the cities surveyed had taken an enforcement action against a project for failing to comply with the MMRP (Angell, Amrhein, and Anderson 2005)." (Sheeran, page 42)

I find this last statistic to be particularly telling. One could argue, as Sheeran acknowledges, that a lack of enforcement actions by a majority of local jurisdictions implies compliance with required mitigations. However, the fact that I was able to identify so many problems in the projects I looked at as part of my investigations would seem to indicate that the problems are there, it's the monitoring and enforcement that are too often missing. It should also be noted that Sheeran interviewed Southern California CEQA participants not only because of proximity but because survey results had found less effective mitigation monitoring performance in Southern California. (Sheeran, page 45-6) My investigations were from just a small slice of projects in the Bay Area, where monitoring performance is statistically better, and I still found the volume of problems that I did. Again, I must emphasize that the projects I looked at were not chosen at random, and my methodology was bound to find more problems than a random sample.

Ms. Sheeran interviewed four groups of CEQA participants from Southern California: representatives of public agencies, developers, consultants, and environmental advocacy groups. The total number of interviewees was twenty-four.

One of her conclusions is that, "…developers in large part were implementing the majority of their mitigation measures." (Sheeran, page 14) I agree with this…if by majority she means more than 50%. In fact, the percentage is likely quite higher than 50%. However, this could be countered by saying that many mitigation measures simply come with the development process—traffic measures are done as roads are laid out, landscaping is part of most larger developments, but is generally listed as a mitigation measure, etc. Since my investigations focused not on such things, but rather on mitigation measures related to biological resources, which are often not integral to completion of the development itself, I would inevitably find a lower percentage of mitigation compliance than someone who looked at the full range of mitigation measures required of a project. Since, as previously noted, my investigations were not intended to lead to a scholarly paper, I did not keep statistics on mitigation measure compliance.

Ms. Sheeran does discuss which types of mitigation measures typically get implemented and which do not, based on the opinions of her interviewees. I shall list her conclusions below, followed by my opinion based on my own experiences. I agree almost down the line with her conclusions.

Sheeran's Successful Mitigation Types:

"Development Fees/Engineering Measures"—This category includes "mitigation measures that require the payment of development impact fees or require construction of large engineering projects such as roadway improvements, new facilities, and/or noise walls." (Sheeran, page 57)

Breon Opinion—True. These mitigation measures often benefit the developers (i.e. increased value of project) and, perhaps more importantly, benefit the Lead Agency. Impact fees typically go directly to the Lead Agency, and facilities such as new parks and roads directly benefit not only the development involved but also often nearby residents. Conversely, if mitigation measures such as traffic improvements are not made, the Lead Agency may have to come back later and make such improvements, absorbing the cost itself.

"Linked to Subsequent Stage of Review"—These are measures linked to a future permit or approval of a subsequent stage of development. (Sheeran, page 58)

Breon Opinion—Partially True. If a permit is required from another resource agency, such as DFG or a Regional Water Board, then theoretically there are two watchers rather than one, and this does lead to greater compliance. However, requiring a permit does not then mean that those subsequent permit conditions will be followed, as SCVAS' previous work in stormwater permits and my own experience has shown. These outside agencies are also understaffed and too often under-motivated. Measures linked to a subsequent stage of development can fall through the cracks when a Lead Agency does not have an adequate method to convey the requirements from a first set of documents (e.g. CEQA) to a subsequent set (e.g. tentative map)(see above discussion of planning problems I encountered).

"Regional/Controversial Issues"—These measures may be particularly important to a given region (e.g. stormwater to a beach community) or are the subject of particular scrutiny in the project approval process. (Sheeran, page 58)

Breon Opinion—Partially True. I agree regarding regional issues, but my experience has shown that even controversial projects or topics can often be overlooked. I would attribute this to the fact that, after project approval, players move on to the next hot project or topic. If directly adjacent neighbors are involved, they more often stick with a project over time, which Sheeran notes as well.

Sheeran's Unsuccessful Mitigation Types:

"Long-Term Mitigation"—These measures are typically biologically related and often require on-site or off-site habitat preservation or restoration. With such measures often come long time periods for monitoring. (Sheeran, page 59)

Breon Opinion—True. In my investigations, this is where the environment is losing out the most. First, these measures often involve a significant quantity of resource value (e.g. acres of wetlands or rare species habitat). Lead Agencies will often say that DFG and/or FWS are responsible for these, despite the fact that CEQA is clear that Lead Agencies remain

responsible for all mitigation measures until they are complete. Things that take time are by nature harder to monitor than one-off measures, and focus moves elsewhere. After project approval, lands may change hands from one company to another or from a company to a Home Owners Association, further complicating matters.

"Air Quality Mitigation Measures"—Self-explanatory. (Sheeran, page 62)

Breon Opinion—None. My investigations did not look at air quality measures.

To Sheeran's above list, I would add a single comment, again based on looking at biological resources. I believe there is a large problem with preconstruction surveys for such resources (e.g. bat surveys in older buildings, active nest surveys during breeding season). If these surveys are in fact being done, they seem to be the documents least often given to the Lead Agencies. Two consultants have told me that the same is true of surveys for archeological resources (e.g. remains of Native American or early Spanish settlements).

Ms. Sheeran comes to many of the same conclusions as to impediments to good mitigation monitoring as have been noted in other papers and my own work. (Sheeran, pages 69-78) First, that many agencies simply do not have the resources or the expertise to monitor projects effectively. Second, that many mitigation measures are designed in ways that make monitoring and enforcement more difficult. Third, that developers are not involved enough in the generation of CEQA documents. This conclusion does not seem to appear in other literature I have read, and certainly many environmental advocates feel that developers are too closely involved in the generation of CEQA documents, thus exerting undue influence. I see both sides. Fourth, that contractors and workers are undereducated regarding mitigation measures. Fifth, that there is an inability to litigate arguably noncompliant mitigation requirements. Sixth and finally, that data management and technological barriers remain a hindrance, perhaps even an increasing hindrance as CEQA documents become more complex.

Sheeran's most simple conclusion is in her introduction:

> "I find that mitigation measure implementation is not uniformly successful. Implementation success relies in large part upon the salience (how important an issue is) and tractability (whether the mitigation may be measured) of the mitigation measure." (Sheeran, page 6)

Appendix I

Proposed Changes to CEQA and/or the CEQA Guidelines

From the past and current work of the Santa Clara Valley Audubon Society and others, I am convinced that some relatively small changes to CEQA could benefit the state greatly in ensuring that our natural resources are protected. I have approached a State Senator regarding the desire for these changes, but the conversation has not come to fruition. Thus, I make the recommendations here for possible future pursuit.

CEQA changes are notoriously difficult. Because so many development projects in the state fall under the requirements for CEQA review, even small changes are often perceived as having large economic, administrative, or environmental effects. Developers and local jurisdictions typically claim that changes designed to strengthen CEQA will lead to a flood of new lawsuits by NIMBYs wanting no growth in their communities. This concern has largely been dispelled by past CEQA research [see, for example, the CEQA "myths" discussion in *CEQA Deskbook* by Bass, Herson, and Bogdan and the studies mentioned in that publication], but the claim remains vibrant. As a result, I have tried to limit these proposed changes to ones that would clarify existing requirements, rather than add new ones. I asked a number of environmental lawyers, planners, and consultants to make suggestions for CEQA changes. However, a number of those suggestions—such as creating a specific cause of action (i.e. the ability to sue) usable by the public when mitigation measures are not implemented—just seemed too substantial to realistically suggest at this point.

First, the law should state that the term Mitigation Monitoring and Reporting Plan, or MMRP, be the universal term for the document Lead Agencies must adopt to "ensure" implementation of required environmental mitigation measures. This is the term that many consultants, planners, and Lead Agencies are now using. However, as mentioned in the planning section of this report, many agencies do not universally use this term, leading to considerable problems in tracking down exactly which documents contain the required mitigation measures.

Second, the term "periodic reports," now contained in the law, should be made more specific. I would suggest requiring, at a minimum, annual reports for at least five years from initiation of project construction or until all mitigation measures are completed, whichever comes first. At this point, it's the Wild West out there in regards to reporting requirements. A Lead Agency that has not a single report years after project implementation can simply claim that reports have not yet been made because the "period" has not yet run. Requiring annual reports for a reasonable amount of time would ensure the public that some documentation exists to show compliance or lack thereof.

Third, the contents of those periodic reports should be better specified. They should correspond to the MMRPs. Currently, reports may come in to a Lead Agency covering one or more aspects of required mitigation, but nowhere is there a requirement that all the environmental mitigation measures required of a project be reported on. Thus, a Lead

Agency could fulfill its requirement of "periodic reporting" with reports tracking only a fraction of the requirements. If an MMRP contains 24 required mitigation measures, then the annual report on that project should contain information on all 24 measures, even if just to say "Completed on [insert date]."

Fourth, the periodic reports and supporting documents should be required to be public documents housed with the Lead Agency or specifying which other government agency houses the documents. Currently, many mitigation reports are done by consultants and housed by those consultants. When asked for such documents, I have found consultants reluctant to turn them over, stating client privilege or simply ignoring my requests. Consultants are not subject to Public Records Act requests, so a community organization cannot get at them directly and must rely on the Lead Agency, or perhaps another government agency, to demand the production of the documents. The Lead Agency is the logical repository for these documents, and they should be available to the public for review. If another agency is responsible for monitoring and enforcement of a mitigation measure, then that agency should be noted in the Lead Agency's periodic reports on compliance, and ideally compliance documents should be forwarded from that other government agency to the Lead Agency.**Appendix G**

Appendix J

Table of Projects Investigated

The following table summarizes most of the development projects I looked at during this more than two-year project. It does not include much detail; it is intended to show the type and scale of the projects, as well as some of my results. Many of the projects are left with questions or possible future work for SCVAS and others. Bear in mind that I looked only at biological resources and typically not all of those for these projects.

Project Name(s)	Lead Agency (Jurisdiction) and date(s)	Natural Resource Issues[1]	Results[2]	Issues Remaining/Notes[3]
1. Eagle Ridge (Golf course and residential project)	Gilroy	Trees, Wetlands, Tiger Salamander (CTS), Open	Wetlands and CTS appear complete, w/ records. Open space easement not accepted by	Open space is still theoretically at risk. City will likely not accept easement because of funding concerns. Could find conservation entity

[1] Lists do not include all issues reviewed.
[2] Where I note "no documentation," I refer to documentation only for the issues I looked at. Other documentation may exist regarding mitigation compliance for these projects.
[3] It is not assumed that SCVAS will continue to pursue all the recommended actions in this column.

		Space	city. Landscape plan—no documentation.	to accept easement.
2. The Institute Golf Course (Golf course and science institute on 192 acres)	Morgan Hill EIR—2004 Permits from 1998-2007	Wetlands, Riparian, Serpentine, Burrowing Owls, Water Quality and Quantity	Off-site riparian and serpentine lands acquired. Off-site riparian restoration success unknown. Owl fee paid (fee lowered improperly at request of developer). Wetlands and riparian mitigation on-site still not complete (2009 and 2010 deadlines). Mitigation deadlines routinely ignored/changed to accommodate developer. Many violations—no enforcement action. City documentation slanted for developer (e.g. all violations were termed "in progress").	Monitor success of off-site riparian restoration. Monitor remaining deadlines for riparian and wetland mitigations. Work on this project is largely fruitless, as city is in the pocket of the developer.
3. Metcalf Road/Basking Ridge (213 residential units on 250+ acres)	San Jose EIR—2003	Wetlands, Red-legged Frog (RLF), serpentine.	City appears to have allowed building into RLF watershed, violating mitigation requirement. City has no	Track compliance when developer submits documentation. Particular attention to serpentine management, 219-acre open space preservation, and as well as RLF.

			documentation on mitigation compliance. City wrote letter to developer asking for documentation.	
4. Levin Property/Shea Homes/ Basking Ridge (Residential)	San Jose EIR 1996	Wetlands, Riparian, Open Space	Open space was preserved. Wetland and riparian mitigation requirements violated. City had no mitigation monitoring documentation. Wetlands and riparian mitigations now done and seemingly successful.	SCVAS began working on this in 2000. No additional work.
5. Las Llagas Golf Course/Tuers-Capitol Golf Course (180-acre public golf course)	San Jose EIR--1999	Riparian, Water Quality	City violated riparian policy when approving project. City has monitoring documents and mitigations seem to be working.	This site used to be prime habitat, especially for an urban area. City expected revenue from project, but is losing about $500,000/year. No additional work.
6. Valley Christian School (School and road expansion)	San Jose Project Approval—2000	Serpentine Soils and Endangered Plants	Serpentine mitigation failed, likely due to lack of maintenance. City had no documentation. City eventually sent a letter of noncompliance, and developer has agreed to try mitigation again.	This project took an undue amount of time to deal with, due to city staff neglect. Discussing project with mayor's office and threats of legal action seemed to prod staff into work. New mitigation still needs monitoring. If it fails, off-site acquisition should occur.
7. Dow Drive	San Jose	Serpentine	Riparian setback	Off-site habitat

(Residential)		Soils and Endangered Plants, Riparian Setback	was achieved. Serpentine mitigation failed due to lack of maintenance. City had no documentation. Developer purchased off-site serpentine.	acquisition was achieved through a previous SCVAS lawsuit. I tracked on-site mitigation, which was abandoned, citing off-site acquisition, but city permit still required on-site compliance. No additional work.
8. Cisco Systems Site 6/Alviso (2.3 million square feet of office space on 152 acres)	Alviso/San Jose EIR 2000	Burrowing Owls, Rare Plant (Congdon's Tarplant), wetlands, Open Space	18.5 acres set aside for owls, plants, and wetlands. Wetland and owl mitigation seems successful. Plant mitigation disputed. Open Space buffer to residences and school not fully protected	Open space buffer could be proposed for future development unless preservation is finalized. City consultants disagreed with CNPS as to success of plant mitigation.
9. U.S. Dataports/Calpine Energy	Alviso/San Jose Dataports EIR 2000 Calpine permit 2001	Burrowing Owls, Bay Trail	Burrowing Owl mitigation was supposed to transfer but did not. Same with section of the Bay Trail. Some owl mitigation was completed.	U.S. Dataports project never was built. Calpine built on some of Dataports' land. Some mitigations were to transfer, but seemingly did not. No additional work.
10. Legacy Partners/Cargill—Collishaw Property (1 million square feet of office on 70 acres)	Alviso/San Jose EIR 1998	Burrowing Owls, Open Space, Nearby Wetlands	One-third of site reserved as open space (25 acres). Owl mitigation complete but never attracted owls. Wetlands buffered by open space.	This site violated water quality mitigation requirements during construction (multiple times). Neither city nor Regional Board enforced violations until SCVAS action (resulted in just a $500 fine). No additional work.
11. Cinnabar Hills Golf Course/Lands of Figgie (Golf course on 347 acres)	San Jose EIR 1996	Wetlands, Riparian, CTS	Riparian restoration completed. Wetlands and	Developer should provide off-site CTS habitat, but refuses. Need to ensure that city

			CTS mitigations incomplete. On-site wetlands water supply issue corrected. City has sent notice of noncompliance to developer on CTS mitigation. Developer disputes claim.	enforces requirement.
12. Ranches at Silver Creek/Cerra Plata	San Jose Project approval--1993	Serpentine Soils, Wetlands, Riparian	Mitigation appears to have been completed satisfactorily.	No additional work.
13. Evergreen Specific Plan	San Jose Specific Plan Approval 1995	Riparian	12.6 Acres of riparian restoration never attempted. City had no documentation. City agreed to put $800,000 into completing restoration. Plans are drafted but problematic.	The City is playing with the numbers here, because their funding will not cover fully restoring 12.6 acres of habitat. Send letter to city regarding this problem and possible additional mitigation. Mitigation is to an extent held up by hydrology problems.
14. King Road Widening (Public works project)	San Jose Negative Declaration—2003	Riparian	City documentation shows project was completed.	No additional work.
15. Rubino Property—Summerhill Homes (Residential—part of larger property)	San Jose Rubino EIR—2002	Riparian Setback and Restoration	Riparian setback was achieved, but restoration was never done. City had no documentation. City has sent letter to developer asking for documentation.	Ensure that riparian mitigation is complete and monitored. City review of old projects did not catch this problem.
16. Rubino Apartments (Residential)	San Jose Project approved in 2001	Riparian Setback and	Riparian setback achieved and restoration	No additional work.

		Restoration	planting succeeding. City has documents.	
17. Daisy Hill—Summerhill Homes (Residential)	San Jose	Serpentine Soils and Rare Plants	City has no monitoring documentation. City has sent a letter to developer requesting documentation.	Ensure that serpentine mitigation is complete and monitored.
18. San Jose Generally (systemic concerns)	San Jose	All Mitigation Measures	City has put into place mitigation monitoring fee, but funding is partially misused. City Planning Department IT system changed to include monitoring. City reviewed some old developments for compliance. City posting some monitoring documents online.	Approach city to ensure that monitoring fee goes to monitoring. Recommend to city annual monitoring reports, Planning Commission/Council hearing on monitoring, more monitoring reports online, and program for past project review.
19. Boulder Ridge Golf Course (Golf course on 200+ acres)	Santa Clara County EIR—1993 SEIR—1994 Project Approval—1995	Trees, Water Quality, Wetlands	Water quality and wetlands monitoring documents show compliance. Other evidence disputes this. Trees never planted. County ordered planting of more than 600 native trees.	No additional work. Worked closely with community groups on permit amendment in addition to mitigation monitoring.
20. Stevens Canyon Road Flood Alleviation Project (Public works road project)	Santa Clara County Negative Declaration—2001	Riparian	Riparian restoration plan never implemented	Could monitor restoration site for success. County staff untruthful in responding

			until SCVAS intervention. Implemented in 2007.	to SCVAS on this project.
21. Lexington Quarry (Operation and expansion quarry permit)	Santa Clara County EIR—2005	Noise, Dust, Water Quality, Wetlands	Lexington violated permit conditions often. County's lax enforcement led to threatened State takeover of permit. County agreed to heightened monitoring and enforcement.	Lexington was only one of several mining permits showing severe lack of oversight by County. System has improved considerably. No additional work required.
22. Corde Valle Golf Course/Lion's Gate (Golf course, hotel, and 40 homes on 1,680+ acres)	Santa Clara County EIR 1995	Wetlands, Riparian, CTS, RLF, Serpentine	County had little documentation on compliance. Most biologic mitigation measures were violated. All measures now complied with or heading towards compliance.	SCVAS work on this project started in 2001. No additional work required. Public trails could be added to the open space (1,354 acres), per permit conditions.
23. Santa Clara County Generally (systemic concerns)	Santa Clara County	All Mitigation Measures	County has adopted full-cost recovery for many projects. Regular staff updates are presented to Planning Commission.	Recent Planning Commission study session noted improvements. Problems likely exist with many past projects, but County has no funding or system to address this. Could help County address more past problems.
24. Lockheed Site 18 (Industrial)	Sunnyvale EIR—1999	Burrowing Owls, Wetlands, Bay Trail	City does not have pre-construction owl survey but claims no owls were found. My personal recollection disputes this.	Find preconstruction survey and follow-up. Additional owl mitigation may be required.

			Trail seems to be dedicated.	
25. Moffett Field (Specific Plan for expansion and management)	Sunnyvale EIR—2003	Burrowing Owls	Difference of opinion whether U.S. government violated mitigation requirements in drafting new ground squirrel management plan.	Continue to work with Moffett in protecting owls from land management issues.
26. McCarthy Ranch (Industrial park and commercial on 226 acres)	Milpitas (EIR 1997)	Burrowing Owls	Plans required set aside of 6.5 acres for owls or "passive recreation." Some open space exists, but not managed for owls or recreation.	Approach Milpitas and developer to see if open lands could be managed for owls.
27. Wildlands, Inc Mitigation Banks/Haera and Brushy Creek (Mitigation sites)	Alameda and Contra Costa County (Various dates)	Burrowing Owls	Mitigation credits sold to many projects in Santa Clara and surrounding counties. Sites are preserved and managed, but owl results are mixed at best.	Determine whether management regime should change and whether mitigation banks are at all useful for Bay Area owl mitigation.
28. DFG Burrowing Owl Mitigation Agreements (Various development projects)	Santa Clara County (Various dates)	Burrowing Owls	Communications with DFG show that owl mitigation agreements were signed and implemented.	Determine success or lack thereof of this type of owl mitigation.
29. Downtown Guadalupe River Flood Control Project/Guadalupe River Project (Flood control project, trail, and other amenities)	Santa Clara Valley Water District EIR/EIS—2000	Riparian	Riparian mitigation did not meet success criteria, likely due to poor planning	Water District is proposing alternate mitigation. Check status of District efforts.

			assumptions.	
30. Sneckner Property (Four residential units)	San Mateo County Negative Declaration—1999	Riparian Setback	County has no documentation confirming setback. Trespassing issues prevent conformation of setback.	County should inspect site for compliance with setback.
31. Miscelwitz Property (Residential)	San Mateo County	Riparian Setback	Setback mitigation measure violated on at least one property. County has no documentation. County sent letter to residents asking for access permission to inspect.	Follow-up on county inspection and urge removal of violations.
32. Cypress Walk Residential Development (Residential apartments on 10+ acres)	Pacifica EIR—2005	Heritage Trees, Wetlands, Raptor Nests	Wetland issue was dismissed as too small. City has no documentation of Heritage Tree Plan or pre-construction nesting surveys.	No additional work.
33. Wind Farm	Alameda County	Bird Strikes	Developer out of compliance with permit requirements. County not enforcing requirements. County had no compliance documents.	County hopeful that developer will enter into lawsuit settlement regarding reducing and compensating for bird strikes. Project dropped due to possible interference with Gold Gate Audubon lawsuit settlement. No additional work. County staff unresponsive to SCVAS requests for information.
34. Pacific	Fremont	Wetlands,	Monitoring	U.S. FWS closely

Commons/Catellus (Mixed use on 768 acres)	SEIR--1996	Vernal Pools, Burrowing Owls, Wildlife Refuge	program seems to have worked well for most natural resources.	monitored this project. FWS has asked that SCVAS or other conservation entity continue monitoring, as original monitoring period is over.
35. Intervening Properties/Braddock & Logan (Residential—part of 767-acre development)	Contra Costa County, near Danville	Unknown	Monitoring documents requested but not yet seen.	Continue to pursue documentation or hand over to another Audubon chapter.
36. Estates at Tassajara Lane (Residential—24 units on 26+ acres)	Danville Project Approval 2001	Wetlands, Riparian	City planning department did not have monitoring documents (e.g. creek improvement plan), but claimed subdivision files would have then. Documents requested.	Continue with city to acquire documents.
37. El Charro (Mixed use on 250 acres)	Livermore EIR—2007	Vernal Pools, RLF, CTS, Riparian, Wetlands, Trees	City planning department had no mitigation monitoring documents. Construction has just begun, so many mitigation measures not yet triggered.	Continue to pursue documentation or hand over to another Audubon chapter.
38. Cantara at Positano/Braddock &Logan (Residential—part of 1132-acre Fallon Village Project)	Dublin Fallon Village EIR--2005	Riparian, Wetlands, CTS, Kit fox, Burrowing Owls	City has turned over relevant MMRPs but is still looking for monitoring documents.	Continue to pursue documentation or hand over to another Audubon chapter.
39. San Juan Oaks Golf Club (Additions to 237-acre golf course on 2000-acre site)	San Benito EIR--2003	Wetlands, Riparian, Water Quality	Golf course revisions not yet under construction.	No additional work.

			County has no monitoring documents on work to date.	
40. San Juan Vista Estates (Residential, hotel, and services on 195 acres)	San Benito EIR—2000	Wetlands, Riparian, Rare Plant and Animal Species	Project was approved but never constructed.	No additional work.
41. Lavaqnino General Plan Amendment (Industrial on 34 acres)	San Benito (EIR—2002)	Riparian Setback	County had no monitoring documents. Riparian setback seems to have been achieved.	No additional work.

Appendix K

Photos of Selected Projects

J Raptor Res. 35(4):385–391

BURROWING OWLS AND DEVELOPMENT: SHORT-DISTANCE NEST BURROW RELOCATION TO MINIMIZE CONSTRUCTION IMPACTS

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ABSTRACT.—During June–July 1998, we used a combination of active and passive relocation to move five Burrowing Owl (*Athene cunicularia*) nests in artificial burrow systems (ABS) that faced destruction by development in southwestern Idaho. Regulatory agencies agreed that relocation of the nest burrows would allow construction to proceed and provide an opportunity to determine the efficacy of moving occupied Burrowing Owl nests as a mitigation technique. Relocated nests contained one to five nestlings, ranging in age from 27–45 d. ABS (plastic chamber and tunnel), wooden perches, and dependent young were relocated (active relocation) to adjacent areas that contained natural vegetation; adults were not moved but were expected to travel the short distances to new burrow locations on their own (passive relocation). Access to natural burrows near original nest locations was restricted where possible. Relocation distances averaged 153 m and ranged from 72–258 m. Because terrain was flat, new nest locations generally were within view of original burrow locations. Relocations were successful at two of five nests. For two other nests, both adults and young returned to the vicinity of the original nest and occupied natural burrows 1 d after relocation. Owls from the fifth nest were not detected following burrow relocation and presumably vacated the immediate vicinity of the construction.

KEY WORDS: *Burrowing Owl*; Athene cunicularia; *nest relocation*; *artificial burrow system*; *active relocation*; *passive relocation*; *mitigation technique.*

Búhos Cavadores y desarrollo: redisposición de las cuevas nido a corta distancia papa minimizar los impactos de la construcción

RESUMEN.—Durante Junio–Julio 1998, usamos una combinación de reubicación activa y pasiva para mover 5 nidos de Búho Cavador (*Athene cunicularia*) a sistemas de cuevas artificiales (ABSs), estos nidos estaban a punto de ser destruidos por el desarrollo en el sudoeste de Idaho. Las agencias reguladoras estuvieron de acuerdo que la redisposición de los nidos cueva debería permitir proseguir la construcción y proveer una oportunidad para determinar la eficacia de mover nidos ocupados de Búho Cavador como una alternativa de mitigación. Los nidos reubicados contenían de uno a cinco polluelos, con edades entre 27–45 d. Los ABSs (cámara y túnel plásticos), perchas de madera, y los jóvenes nidícolas fueron reubicados (reubicación activa) a áreas adyacentes que contenían vegetación natural; los adultos no fueron movidos pero se esperaba que recorrieran por su propia cuenta las cortas distancias a los nuevos sitios de las cuevas (reubicación pasiva). El acceso a las cuevas naturales cerca de los sitios de los nidos originales fue restringido a donde quiera que fue posible. Las distancias a la reubicación promediaron 153 m en un rango de 72–258 m. Debido a que el terreno era plano, las nuevas ubicaciones de los nidos generalmente estaban a la vista desde los sitios de las cuevas originales. La reubicación fue exitosa en dos de los cinco nidos. Para los otros dos nidos, ambos adultos y el joven retornaron a la vecindad del nido original y ocuparon cuevas naturales 1 día después de la reubicación. No se detecto que los búhos del quinto nido siguieran la reubicación de la cueva y presumiblemente se dispersaron de la vecindad inmediata de la construcción.

[Traducción de Victor Vanegas y César Márquez]

Burrowing Owl (*Athene cunicularia*) populations are declining throughout much of their range in North America (De Smet 1997, James and Espie 1997, Sheffield 1997). Human disturbances, such as elimination of burrowing mammals, use of pesticides and herbicides, and conversion of grasslands to agricultural or urban areas, are factors contributing to the decline in Burrowing Owl num-

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bers (Zarn 1974, Haug et al. 1993). Anthropogenic habitat change is continually displacing owls, forcing them from previous seasons' nesting areas, reducing prey abundance and foraging areas, and potentially limiting opportunities for breeding. Although regulations protect the owls, situations where Burrowing Owls and land uses conflict continue to arise.

To minimize direct impacts resulting from habitat conversion for agriculture or development, mitigation efforts often attempt to provide Burrowing Owls with suitable habitat near areas scheduled for development. Once mitigation land is established near an impact area, owls are either evicted (i.e., passive relocation) or actively relocated (Trulio 1995, Feeney 1997). Passive relocation usually occurs in the nonbreeding season or immediately before the breeding season commences. Under this scenario, owls are excluded from available natural burrows in areas slated for development and are forced to seek alternate burrows in nearby habitat outside the areas directly affected by construction. Active relocation entails: 1) capturing owls and moving them to suitable habitat, which is generally well removed from the original site; and 2) releasing the owls at a new site, often after a period of acclimation in temporary aviaries. To replenish or reintroduce populations, Burrowing Owls also have been translocated into areas where suitable habitat remained but natural populations had declined or were extirpated (Martell 1990, Dyer 1991). Translocation projects require active capture and transport of adults and juveniles from breeding areas and then release in establishment sites.

The efficacy of these mitigation techniques (active relocation, passive relocation, and translocation) has varied. Most relocation projects resulted in fewer breeding pairs of Burrowing Owls at the mitigation site than at the original site, and translocation projects generally have failed to produce self-sustaining populations. Investigators attribute the limited success of management efforts to: 1) strong site tenacity exhibited by Burrowing Owls, and 2) potential risks associated with forcing owls to move into unfamiliar and perhaps less preferable habitats (Trulio 1995, Delevoryas 1997, Feeney 1997). Further research on methods of Burrowing Owl relocation and translocation may lead to an increase in the success of these techniques.

In this study, we examined the responses of Burrowing Owl families to short-distance nest burrow relocation. We predicted that nest-site fidelity would be overcome through parental responses to their offspring, thus eliminating the need to capture and relocate adults.

We conducted this research in response to the planned destruction of a 130-ha field, in which five pairs of Burrowing Owls nested in 1998. Each artificial burrow system (ABS) contained a pair of adults and their dependent fledglings, which were still closely associated with their nest burrow. Before young were ready to leave their natal area (i.e., flight skills improving, but still dependent on adults), the field became a borrow pit for construction of a wastewater treatment facility; ultimately, the site will function as an effluent field in which alfalfa and other cover crops are grown. To allow the project to proceed, state and federal regulatory agencies agreed that the situation offered an opportunity to examine the feasibility of relocation of Burrowing Owl nest burrows to minimize construction impacts. We decided that nest burrows would be relocated to the periphery of the construction project, into a buffer strip surrounding the field. Burrow relocations would allow construction to continue without costly delays that would result from waiting until the owls migrated from the construction area after the breeding season.

This study provides data on relocation of ABS occupied by Burrowing Owls to determine if passive adult and active fledgling relocation is a feasible mitigation technique to avoid or reduce direct impacts from construction or other anthropogenic pressures.

METHODS

Study Area. Five Burrowing Owl nests were located approximately 3 km south of Kuna, Ada County, which is 32 km southwest of Boise, Idaho and <23 km north of the Snake River Canyon. Topography was flat to rolling, and elevations ranged from 841–896 m. Rock outcrops and a few isolated buttes (e.g., Kuna Butte, elevation 896 m) exist in the region. Annual temperatures range from −20 to +45°C, and annual precipitation typically averages <20 cm (NOAA 1985).

The study area was once a typical shrub-steppe community dominated by big sagebrush (*Artemisia tridentata wyomingensis*, Hironaka et al. 1983). Range fires and other disturbances have converted much of the surrounding shrublands to exotic grasslands dominated by cheatgrass (*Bromus tectorum*) and tumble mustard (*Sisymbrium altissimum*). The area contained a few homes, several large dairy farms, paved and gravel roads, and irrigated agricultural fields that grew primarily alfalfa, mint, and sugar beets. Irrigated agricultural fields bordered the northern, eastern, and southern sides of the field that was scheduled for construction, and a two-lane highway bordered

the field's western edge. Previously excavated badger (*Taxidea taxus*) burrows were abundant throughout the study area and served as nest and shelter sites for Burrowing Owls (King 1996, King and Belthoff 2001).

Fledgling Data. Before moving nest burrows, we estimated the age of juveniles based on feather growth (Landry 1979) and the estimated hatching date of the brood (±1 d, Smith 1999). For individual recognition in the field, each owl received one United States Geological Survey aluminum leg band and a unique combination of three plastic color bands (National Band and Tag Co., Newport, KY).

Nest Relocation. Each of the five nest burrows were in ABS deployed as part of another study (Smith 1999, Smith and Belthoff 2001) in 1997 (Nos. 1, 3, and 5) and in 1998 (Nos. 2 and 4). Therefore, active relocation of nests and juveniles was relatively simple when compared with moving nests from natural burrows. This project occurred during the latter part of the nesting cycle; thus, we expected adult owls to move the short distance from the original nest area to the relocation site (i.e., passive relocation). However, nest burrows and fledglings were physically moved (i.e., active relocation) to sites outside the impacted area.

All five nests were relocated to a buffer strip between 25 June–9 July 1998. The buffer strip was along the western and southern borders of the field, was approximately 25 m wide, and was the nearest habitat with natural vegetation suitable for ABS placement (Fig. 1). We selected new nest locations that were as close as possible to the original nest location in areas deemed to provide sufficient space and habitat for owls. New sites generally were no closer to neighboring nests than were original sites (except for Nos. 3 and 5; Table 1) and, in each case, new nest locations were within view of original nests. After site selection, we: 1) dug holes to place relocated ABS, 2) removed all fledglings from their nest chambers, 3) removed each ABS intact (i.e., the chamber and tunnel), 4) buried each ABS at the new location with the same orientation as the original burrows, and 5) returned juveniles to nest chambers. We also moved the wooden perches from the original sites to the new sites to lure adult owls, who used the perches for roosting. Each ABS was encircled with highly-visible flagging to reduce chances that construction personnel would inadvertently disturb the new sites. To determine the fate of each relocated nest, we monitored relocation areas (via spotting scope from a vehicle as far away as possible) each day after relocation for 2 wk, and at least three times/wk thereafter until the date that migration normally commenced.

Burrowing Owls exhibit strong site attachment behavior (Trulio 1995, Delevoryas 1997, Feeney 1997), so we were aware that some owls might return to their original nest locations after the nest burrow was removed. To minimize this possibility, we first placed Owl Exclusionary Devices (OED) at natural burrows near the original nest site. Each OED consisted of a 0.5-m section of perforated plastic drainage pipe and a piece of transparent Plexiglas® attached to a hinge at one end of the pipe. Once placed at the entrance to a natural burrow, OED allowed any owls that were underground to exit but prevented owls from taking up residence at such burrows. We also attempted to coordinate relocations such that original nest areas would be destroyed shortly after nest burrows were moved, thus reducing the likelihood that owls would return to original nest locations.

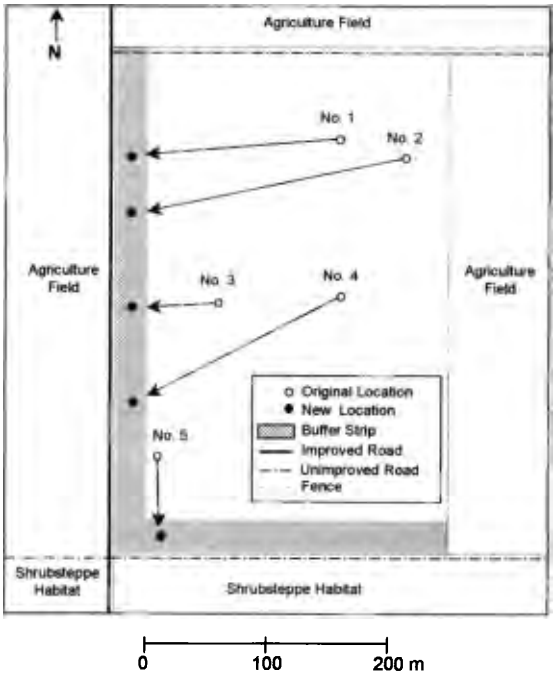

Figure 1. Original and new locations of artificial burrow systems relocated to minimize construction impacts on Burrowing Owl nests in southwestern Idaho, 1998. Numbers indicate nest burrows and their associated young that were relocated to a buffer strip along the western and southern border of the field; adults were not captured but were expected to locate the new sites on their own. The entire field (except the buffer strip) was leveled by machinery soon after all nests were relocated.

Upon relocating each ABS, we measured the distance (to nearest 0.5 m) and direction from the original nest location to its new site. We considered a relocation successful if the owl family took up residence at its new location and remained until dispersal or migration. Unsuccessful relocations occurred when owl families returned to their original nest areas or immediately disappeared from the study area; dispersal from natal areas at this young age is not characteristic of Burrowing Owls (King 1996, King and Belthoff 2001).

RESULTS

Fledgling Data. At the time of relocation, the number of juveniles at each ABS varied from one to five, ranging from 27–45 d post-hatch (Table 1). These young had developed modest to good flight capabilities, but they still depended on parental

Table 1. Information on Burrowing Owl young, relocation measurements, and apparent fates of relocated nests. Juveniles and artificial nest burrows were relocated during the 1998 breeding season to minimize construction impacts in Ada County, Idaho.

Nest	Number of Young	Age (d) of Young[a]	Relocation Date	Distance Moved (m)	Nearest Nest Before (m)	Nearest Nest After (m)	Fate
No. 1	2	39–40	25 June	174	55	55	Accepted new site
No. 2	4	38–39	25 June	258	55	55	Site tenacity
No. 3	5	35–38	7 July	79	102	85	Disappeared
No 4	1	27	9 July	183	102	85	Site tenacity
No. 5	3	44–45	7 July	72.5	290	271	Accepted new site

[a] Estimated based on morphological development and estimated hatching dates. Young >28 d are considered fledglings.

care and remained associated with natal burrows. We captured and relocated all juveniles within each ABS except at No. 5 where, upon our approach to the nest, one fledgling flew ca. 25 m away. At No. 1, both young were captured and relocated, but immediately after being relocated one juvenile flew across the two-lane highway in the opposite direction of the original site.

Nest Relocation. Relocation distances averaged 153 m, ranging from 72.5–258 m, and four of the five nests were moved in a westerly direction (Table 1; Fig. 1). Overall, two families accepted their relocation sites (40%), two families (40%) returned to the vicinity of their original nest burrows, and one family (20%) disappeared from the field (Table 1). All family members from Nos. 1 and 5 were observed at their new sites 1 d after relocation, and both adults and fledglings from each family used their new sites for several weeks until they disappeared. In contrast, two families (Nos. 2 and 4) did not remain in the relocation areas. Instead, 1 d after relocation, family groups from these nests were observed at natural burrows <20 m away from their original nest burrows. The adult male from No. 4 began using the perch, and possibly the ABS, at the new site approximately 10 d after relocation, but his young and his mate remained near the original nest. Fates of birds from these nests are unknown, except for the female from No. 2 (see below). We believe family No. 3 moved from the immediate vicinity of both the original nest and the relocated burrow, even though this nest was moved only 79 m from the original site. After moving this ABS and all five fledglings, no members of the family were observed again at the original or relocation sites, or in nearby areas that contained suitable habitat for Burrowing Owls. The fates of the members of this family were also unknown, except for the male from No. 3 (see below). Finally, within the period of our study, dates of relocation events did not appear to be related to relocation outcomes (Table 1).

In 1999, two adults returned to the area and fledged young successfully from ABS that had been relocated to the buffer strip in 1998. The adult female that nested in No. 2 in 1998 (an unsuccessful relocation) nested at the relocated No. 2 ABS in 1999. The male that nested at No. 3 in 1998 (also an unsuccessful relocation) nested at the relocated No. 5 ABS. This represented a 20% return rate (by sex, and overall) for adults affected by construction in this field in 1998. During 1999, we observed none of the 15 fledglings from 1998 nests, despite continued work in the area.

Discussion

Burrowing Owls typically remain within 50–100 m of their nest or satellite burrows during daylight hours (Haug and Oliphant 1990) and exhibit strong nest-site tenacity, even after a site has been disturbed (Zarn 1974, Feency 1997). Because Burrowing Owls commonly use burrows in close proximity to their nest burrows for roosting, escape cover, and other activities (Zarn 1974, Haug et al. 1993), relocated nests should be in close proximity to the original nest burrow (Trulio 1995). For successful relocations in our study (Nos. 1 and 5), burrows were generally closer to their original sites than were those relocations considered unsuccessful (Nos. 2–4). However, three of five relocation distances were greater than the 100-m maximum distance that Trulio (1995, 1997) recommended

for passive relocation techniques. Because shorter relocations generally were more successful, distance also may have been a relevant factor in the type of relocations we employed. However, as No. 3 family members were relocated only 79 m and apparently disappeared from the study area, other factors besides distance must play a role in relocation success.

Burrowing Owls commonly return to the same or nearby nest burrows year after year (Thomsen 1971, Rich 1984, Botelho and Arrowood 1998). For the relocations that we considered to be successful (Nos. 1 and 5), banding information from our study area showed that both adult males and one adult female bred successfully in the same field during the previous (1997) breeding season. Such experience could have made these owls more familiar with relocation areas and led to their increased willingness to accept new sites. For the three relocations we considered unsuccessful (Nos. 2–4), one adult male was known to have nested in this field during 1997, and the family dispersed from the field immediately following relocation. Ages and previous breeding experiences were unknown for the two remaining pairs, as these birds were not banded before they entered the 1998 breeding season. Nonetheless, familiarity with this field may have influenced whether a family accepted their relocation site, returned to the original nest area, or dispersed from the area.

Although immediate success was realized for two relocations, long-term success of relocations and their effects on Burrowing Owls are also important. In 1999, one female and one male returned to the buffer strip to nest (both had new mates). Of the two remaining ABS, one was occupied by a pair of unmarked owls and the other was unoccupied. The fifth ABS was destroyed during the nonbreeding season. Return rates for females on the impacted area were similar to female return rates over the entire area (20% vs. 24%, respectively) for 1997–98, but were lower for males on the impacted area than over the entire area (20% vs. 44%, respectively, J. Belthoff and B. Smith unpubl. data). We failed to detect any of the juveniles from this study in the impacted field or in surrounding areas during 1999. However, this is not surprising because only 15 juveniles were associated with this field, and first-year return rates are very low (<4% of banded individuals during 1997–98) for birds in our area (J. Belthoff and B. Smith unpubl. data). Nonetheless, the subsequent return and successful nesting of two adults to the impacted site in 1999 suggested that our methods provided both immediate and longer-term success for some of the owls involved.

Other factors also may have affected the owls' willingness to accept new sites. Unfamiliar disturbances (e.g., traffic) could have caused the owls to reject the new sites (Feeney 1997). Both Nos. 2 and 4 (unsuccessful relocations) were relocated from relatively quiet portions of the field to <25 m from a busy road (Fig. 1). Given surrounding land use and destruction of the field, the placement of each relocated nest was restricted to the buffer strip because it offered the nearest "suitable" habitat Also, we were unable to have the original nest areas destroyed immediately because of inclement weather (i.e., destruction of sections of the field did not occur on planned dates). These delays, or our inability to locate all natural burrows near original nest locations to place OED, potentially allowed two families (Nos. 2 and 4) to return to natural burrows near their original nest areas.

Finally, for the two successful relocations (Nos. 1 and 5), one juvenile from each nest either was not captured or escaped during the relocation process. At the time of relocation, juveniles from successful nests also were older than those from unsuccessful nests. It is not clear if or why these factors would affect the tendency for families to remain in the relocation area. Possibly, separation of family members led to increased rate of contact vocalizations by juveniles, which lured adults to the new site more readily, or the older individuals were more visible because of increased activity (i.e., practice flights, perching, hunting) around the relocation site.

Our results indicated that short-distance relocation of occupied nests was successful under some circumstances, although the factors associated with success remained unclear. Regardless, the relocations we performed avoided the almost certain death of many young owls that would have resulted from construction. Because this was a small study (five nests), success rates for the techniques described here should be quantified in much larger studies before such relocations are considered viable options. Additionally, whether the techniques we examined would relate also to owls nesting in natural burrows (the most likely situation faced in many areas) remains unknown. Currently, we recommend that these techniques be used only when no alternatives exist. Postponing mitigation and construction activities until the nonbreeding sea-

son (i.e., after dispersal and/or migration occurs), as well as compensating for any habitat loss or degradation, would be the preferred approach to reduce impacts on Burrowing Owls. If mitigation activities cannot be avoided, original nest areas should be destroyed immediately after moving the owls so they cannot return to the original burrow, or any other burrow, in the impacted area (Trulio 1995). Finally, it remains unknown whether actively relocating adults with their dependent young would affect success rates of short-distance relocations. If the stress of capture on owls is not severe, it seems reasonable that including adults would increase relocation success. However, it may be difficult to capture adults late in the nesting cycle, so timing of the relocation would be important. Therefore, passive relocation of adults and active relocation of fledglings may encourage adult Burrowing Owls to overcome nest-burrow tenacity and inhabit new burrows to care for young when relocations are over short distances.

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APPENDIX H

BREEZE AERMOD
Sensitive Receptor Results

Pollutant: PM25, Type: CONC (ug/m3) 4 YEAR AVG., Group: ALL**

Sen. Rcpt. #	Dsc. Rcpt. #	Description	UTM		Conc.	
			East(m)	North(m)		
1	1	School	613319.00	4269065.00	0.0029825432650268	
2	2	R1	613589.00	4268736.00	0.0058799957138716	
3	3	R2	613586.00	4268776.00	0.0058859727266061	
4	4	R3	613566.50	4268574.00	0.0050094818072833	
5	5	R4	613563.50	4268517.00	0.0047667552593808	
6	6	church preschool	613677.20	4268531.00	0.0075843528506461	

Pollutant: PM25, Type: CONC (ug/m3) 1ST HIGH 1-HR AVG., Group: ALL**

Sen. Rcpt. #	Dsc. Rcpt. #	Description	UTM		Conc.	Date
			East(m)	North(m)		YYMMDDHH
1	1	School	613319.00	4269065.00	0.7486848823990691	13010118
2	2	R1	613589.00	4268736.00	0.8907316109604222	14010317
3	3	R2	613586.00	4268776.00	0.8740510540155864	13010208
4	4	R3	613566.50	4268574.00	0 9304507933984946	12120317
5	5	R4	613563.50	4268517.00	0 9421009754348124	13011507
6	6	church preschool	613677.20	4268531.00	1.0485376860372375	13011507

Pollutant: PM25, Type: CONC (ug/m3) 1ST HIGH 24-HR AVG., Group: ALL**

Sen. Rcpt. #	Dsc. Rcpt. #	Description	UTM		Conc.	Date
			East(m)	North(m)		YYMMDDHH
1	1	School	613319.00	4269065.00	0.0944400680702201	14122124
2	2	R1	613589.00	4268736.00	0 1141697692246674	14122124
3	3	R2	613586.00	4268776.00	0 1141605303793472	14122124
4	4	R3	613566.50	4268574.00	0 1081612160715835	14122124
5	5	R4	613563.50	4268517.00	0 1054256230219940	14122124
6	6	church preschool	613677.20	4268531.00	0 1196292183706859	14122124

http://www.breeze-software.com/

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1                    AERMOD PRIME - (DATED  14134)

                    AERMODPrMSPx VERSION   4268839  7.92
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** SRCDESCR  EXPM
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** SRCDESCR  EXPM
SO LOCATION  498QB0AQ  VOLUME    613832.5  4268902  8.58
** SRCDESCR  EXPM
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** SRCDESCR  EXPM
SO LOCATION  498QB0AS  VOLUME    613959.7  4268902  8.53
** SRCDESCR  EXPM
SO LOCATION  498QB0AT  VOLUME    614023.3  4268902  8.34
** SRCDESCR  EXPM
SO LOCATION  498QB0AU  VOLUME    614086.9  4268902  8.23
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SO LOCATION  498QB0AV  VOLUME    614150.5  4268902  8.23
** SRCDESCR  EXPM
SO LOCATION  498QB0AW  VOLUME    614214.1  4268902  8.23
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SO LOCATION  498QB0AZ  VOLUME    614404.9  4268902  7.92
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SO LOCATION  498QB0BH  VOLUME    614023.3  4269029  8.34
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SO SRCPARAM  498QB0C5  4.9459E-05  5  29.6  1
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SO EMISFACT  498QB07W  HRDOW  0  0  0  0
SO EMISFACT  498QB07X  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
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SO EMISFACT  498QB080  HRDOW  0  0  0  0
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SO EMISFACT  498QB08D  HRDOW  1  1  1  1  1  1  1  1  1  0  0  0  0  0  0  0
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SO EMISFACT  498QB08W  HRDOW  1  1  1  1  1  1  1  1  1  0  0  0  0  0  0  0  0
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SO EMISFACT  498QB08W  HRDOW  0  0  0  0
SO EMISFACT  498QB08X  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
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SO EMISFACT  498QB09F  HRDOW  1  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1
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SO EMISFACT  498QB09W  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1
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```

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SO EMISFACT  498QB0AW  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
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SO EMISFACT  498QB0BI  HRDOW  0  0  0  0
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SO EMISFACT  498QB0BU  HRDOW  0  0  0  0  0  0  1  1  1  1  1  1  1  1  1  1  1
SO EMISFACT  498QB0BU  HRDOW  1  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1
SO EMISFACT  498QB0BU  HRDOW  1  1  1  1  1  1  1  1  1  0  0  0  0  0  0  0  0
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SO EMISFACT  498QB0BV  HRDOW  1  0  0  0  0  0  0  0  0  0  0  0  0  0  1  1  1
SO EMISFACT  498QB0BV  HRDOW  1  1  1  1  1  1  1  1  1  0  0  0  0  0  0  0  0
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```

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SO EMISFACT  498QB0C8  HRDOW  1  1  1  1  1  1  1  1  1  0  0  0  0  0  0  0  0
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```

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SO SRCGROUP  ALL
SO FINISHED

RE STARTING
RE ELEVUNIT  METERS
RE DISCCART  613319  4269065  9.45  9.45  1.8
** SENSITIV
** RCPDESCR  School
RE DISCCART  613589  4268736  8.84  8.84  1.8
** SENSITIV
** RCPDESCR  R1
RE DISCCART  613586  4268776  9.14  9.14  1.8
** SENSITIV
** RCPDESCR  R2
RE DISCCART  613566.5  4268574  9.02  9.02  1.8
** SENSITIV
** RCPDESCR  R3
RE DISCCART  613563.5  4268517  9.14  9.14  1.8
** SENSITIV
** RCPDESCR  R4
RE DISCCART  613677.2  4268531.0  8.53  8.53  1.8
** SENSITIV
** RCPDESCR  church preschool
RE FINISHED

ME STARTING
ME SURFFILE  "I:\PROJECTS\ACTIVE\DAVIS\INNOVATION PARKS\REFERENCE MATERIALS
APPLICABLE TO BOTH ICS\MET DATA FILES FOR AERMOD\INT 10-14 N1MD.SFC"
** SURFFILE  "I:\PROJECTS\ACTIVE\DAVIS\INNOVATION PARKS\REFERENCE MATERIALS
APPLICABLE TO BOTH ICS\MET DATA FILES FOR AERMOD\INT 10-14 N1MD.SFC"
ME PROFFILE  "I:\PROJECTS\ACTIVE\DAVIS\INNOVATION PARKS\REFERENCE MATERIALS
APPLICABLE TO BOTH ICS\MET DATA FILES FOR AERMOD\INT 10-14 N1MD.PFL"
** PROFFILE  "I:\PROJECTS\ACTIVE\DAVIS\INNOVATION PARKS\REFERENCE MATERIALS
APPLICABLE TO BOTH ICS\MET DATA FILES FOR AERMOD\INT 10-14 N1MD.PFL"
ME SURFDATA  93225 2010 SACINT'L
ME UAIRDATA  23230 2010
ME PROFBASE  7.9248  METERS
ME STARTEND  2010  1  1  7  2014  12  31  19
ME FINISHED

OU STARTING
OU RECTABLE  1  FIRST
OU RECTABLE  24  FIRST
```

```
OU FILEFORM  FIX
OU MAXTABLE  1  1
OU MAXTABLE  24  1
OU PLOTFILE  1  ALL  FIRST  ALL`1`FIRST.plt  10000
OU PLOTFILE  24  ALL  FIRST  ALL`24`FIRST.plt  10001
OU PLOTFILE  ANNUAL  ALL  ALL`ANNUAL.plt  10002
OU FINISHED

** ************************************************************************
** It is recommended that the user not edit any data below this line
** ************************************************************************


** AMPTYPE  DEM
** AMPDATUM  2
** AMPZONE  10
** AMPHEMISPHERE  N
** HILLBOUN  613168.3 4267959 614751.7 4269511.1

** PROJECTION  UTM
** DATUM  WGE
** UNITS  METER
** ZONE  10
** HEMISPHERE  N
** ORIGINLON  0
** ORIGINLAT  0
** PARALLEL1  0
** PARALLEL2  0
** AZIMUTH  0
** SCALEFACT  0
** FALSEEAST  0
** FALSENORTH  0

** POSTFMT  UNFORM
** TEMPLATE Regulatory,0
** AERMODEXE  AERMOD_BREEZE_14134.exe
** AERMAPEXE  AERMAP_EPA_11103.EXE


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 CO W276    1805       POLLID: Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled
 PM25 H1H
 CO W276      17       POLLID: Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled
 PM25 H1H
 CO W363      19       COCARD: Multiyr 24h/Ann PM25 processing not applicable for
 PM25 H1H

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

```
 ***********************************

♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

                                   PAGE   1
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

                                              ***     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 RURAL Dispersion Only.

 **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.

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

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM25

 **NOTE: Special processing requirements applicable for the 24-hour PM2.5 NAAQS have
been disabled!!!
        High ranked 24-hour values are NOT averaged across the number of years
modeled, and
        complete years of data are NOT required.

 **Model Calculates  2 Short Term Average(s) of:   1-HR  24-HR
     and Calculates ANNUAL Averages

 **This Run Includes:    222 Source(s);       1 Source Group(s); and       6
Receptor(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 Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
```

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) = 7.92 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.7 MB of RAM.

**Input Runstream File: AERMOD.INP

**Output Print File: AERMOD.OUT

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
498QB078	0	0.49459E-04	613832.5	4268139.0	9.8	5.00	29.60	1.00	NO	HRDOW
498QB079	0	0.49459E-04	613896.1	4268139.0	10.1	5.00	29.60	1.00	NO	HRDOW
498QB07A	0	0.49459E-04	613959.7	4268139.0	10.4	5.00	29.60	1.00	NO	HRDOW
498QB07B	0	0.49459E-04	613832.5	4268203.0	9.2	5.00	29.60	1.00	NO	HRDOW
498QB07C	0	0.49459E-04	613896.1	4268203.0	9.5	5.00	29.60	1.00	NO	HRDOW
498QB07D	0	0.49459E-04	613959.7	4268203.0	9.6	5.00	29.60	1.00	NO	HRDOW
498QB07E	0	0.49459E-04	614023.3	4268203.0	9.8	5.00	29.60	1.00	NO	HRDOW
498QB07F	0	0.49459E-04	614086.9	4268203.0	10.0	5.00	29.60	1.00	NO	HRDOW
498QB07G	0	0.49459E-04	614150.5	4268203.0	10.3	5.00	29.60	1.00	NO	HRDOW
498QB07H	0	0.49459E-04	613832.5	4268266.0	8.8	5.00	29.60	1.00	NO	HRDOW
498QB07I	0	0.49459E-04	613896.1	4268266.0	8.8	5.00	29.60	1.00	NO	HRDOW
498QB07J	0	0.49459E-04	613959.7	4268266.0	9.1	5.00	29.60			

1.00	NO	HRDOW						
498QB07K		0	0.49459E-04	614023.3	4268266.0	9.1	5.00	29.60
1.00	NO	HRDOW						
498QB07L		0	0.49459E-04	614086.9	4268266.0	9.4	5.00	29.60
1.00	NO	HRDOW						
498QB07M		0	0.49459E-04	614150.5	4268266.0	9.4	5.00	29.60
1.00	NO	HRDOW						
498QB07N		0	0.49459E-04	614214.1	4268266.0	9.1	5.00	29.60
1.00	NO	HRDOW						
498QB07O		0	0.49459E-04	614277.7	4268266.0	8.5	5.00	29.60
1.00	NO	HRDOW						
498QB07P		0	0.49459E-04	614341.3	4268266.0	8.5	5.00	29.60
1.00	NO	HRDOW						
498QB07Q		0	0.49459E-04	613832.5	4268330.0	8.2	5.00	29.60
1.00	NO	HRDOW						
498QB07R		0	0.49459E-04	613896.1	4268330.0	8.3	5.00	29.60
1.00	NO	HRDOW						
498QB07S		0	0.49459E-04	613959.7	4268330.0	8.5	5.00	29.60
1.00	NO	HRDOW						
498QB07T		0	0.49459E-04	614023.3	4268330.0	8.7	5.00	29.60
1.00	NO	HRDOW						
498QB07U		0	0.49459E-04	614086.9	4268330.0	8.8	5.00	29.60
1.00	NO	HRDOW						
498QB07V		0	0.49459E-04	614150.5	4268330.0	8.6	5.00	29.60
1.00	NO	HRDOW						
498QB07W		0	0.49459E-04	614214.1	4268330.0	8.2	5.00	29.60
1.00	NO	HRDOW						
498QB07X		0	0.49459E-04	614277.7	4268330.0	7.9	5.00	29.60
1.00	NO	HRDOW						
498QB07Y		0	0.49459E-04	614341.3	4268330.0	8.2	5.00	29.60
1.00	NO	HRDOW						
498QB07Z		0	0.49459E-04	614404.9	4268330.0	8.3	5.00	29.60
1.00	NO	HRDOW						
498QB080		0	0.49459E-04	614468.5	4268330.0	8.5	5.00	29.60
1.00	NO	HRDOW						
498QB081		0	0.49459E-04	614532.1	4268330.0	8.5	5.00	29.60
1.00	NO	HRDOW						
498QB082		0	0.49459E-04	613832.5	4268393.0	7.6	5.00	29.60
1.00	NO	HRDOW						
498QB083		0	0.49459E-04	613896.1	4268393.0	7.8	5.00	29.60
1.00	NO	HRDOW						
498QB084		0	0.49459E-04	613959.7	4268393.0	8.2	5.00	29.60
1.00	NO	HRDOW						
498QB085		0	0.49459E-04	614023.3	4268393.0	8.2	5.00	29.60
1.00	NO	HRDOW						
498QB086		0	0.49459E-04	614086.9	4268393.0	8.2	5.00	29.60
1.00	NO	HRDOW						
498QB087		0	0.49459E-04	614150.5	4268393.0	8.2	5.00	29.60
1.00	NO	HRDOW						
498QB088		0	0.49459E-04	614214.1	4268393.0	7.9	5.00	29.60
1.00	NO	HRDOW						
498QB089		0	0.49459E-04	614277.7	4268393.0	7.6	5.00	29.60
1.00	NO	HRDOW						
498QB08A		0	0.49459E-04	614341.3	4268393.0	7.7	5.00	29.60
1.00	NO	HRDOW						
498QB08B		0	0.49459E-04	614404.9	4268393.0	8.3	5.00	29.60
1.00	NO	HRDOW						

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
498QB08C	0	0.49459E-04	614468.5	4268393.0	8.5	5.00	29.60	1.00	NO	HRDOW
498QB08D	0	0.49459E-04	614532.1	4268393.0	8.5	5.00	29.60	1.00	NO	HRDOW
498QB08E	0	0.49459E-04	613832.5	4268457.0	7.7	5.00	29.60	1.00	NO	HRDOW
498QB08F	0	0.49459E-04	613896.1	4268457.0	7.6	5.00	29.60	1.00	NO	HRDOW
498QB08G	0	0.49459E-04	613959.7	4268457.0	7.6	5.00	29.60	1.00	NO	HRDOW
498QB08H	0	0.49459E-04	614023.3	4268457.0	7.6	5.00	29.60	1.00	NO	HRDOW
498QB08I	0	0.49459E-04	614086.9	4268457.0	7.8	5.00	29.60	1.00	NO	HRDOW
498QB08J	0	0.49459E-04	614150.5	4268457.0	7.8	5.00	29.60	1.00	NO	HRDOW
498QB08K	0	0.49459E-04	614214.1	4268457.0	7.6	5.00	29.60	1.00	NO	HRDOW
498QB08L	0	0.49459E-04	614277.7	4268457.0	7.6	5.00	29.60	1.00	NO	HRDOW
498QB08M	0	0.49459E-04	614341.3	4268457.0	8.0	5.00	29.60	1.00	NO	HRDOW
498QB08N	0	0.49459E-04	614404.9	4268457.0	8.3	5.00	29.60	1.00	NO	HRDOW
498QB08O	0	0.49459E-04	614468.5	4268457.0	8.5	5.00	29.60	1.00	NO	HRDOW
498QB08P	0	0.49459E-04	614532.1	4268457.0	8.5	5.00	29.60	1.00	NO	HRDOW
498QB08Q	0	0.49459E-04	613832.5	4268521.0	7.9	5.00	29.60	1.00	NO	HRDOW
498QB08R	0	0.49459E-04	613896.1	4268521.0	7.9	5.00	29.60	1.00	NO	HRDOW
498QB08S	0	0.49459E-04	613959.7	4268521.0	7.8	5.00	29.60	1.00	NO	HRDOW
498QB08T	0	0.49459E-04	614023.3	4268521.0	7.6	5.00	29.60	1.00	NO	HRDOW
498QB08U	0	0.49459E-04	614086.9	4268521.0	7.6	5.00	29.60	1.00	NO	HRDOW
498QB08V	0	0.49459E-04	614150.5	4268521.0	7.6	5.00	29.60	1.00	NO	HRDOW
498QB08W	0	0.49459E-04	614214.1	4268521.0	7.6	5.00	29.60	1.00	NO	HRDOW
498QB08X	0	0.49459E-04	614277.7	4268521.0	7.9	5.00	29.60	1.00	NO	HRDOW
498QB08Y	0	0.49459E-04	614341.3	4268521.0	8.1	5.00	29.60	1.00	NO	HRDOW
498QB08Z	0	0.49459E-04	614404.9	4268521.0	8.2	5.00	29.60	1.00	NO	HRDOW
498QB090	0	0.49459E-04	614468.5	4268521.0	8.5	5.00	29.60			

```
1.00     NO    HRDOW
 498QB091         0   0.49459E-04  614532.1 4268521.0     8.4     5.00    29.60
1.00     NO    HRDOW
 498QB092         0   0.49459E-04  613832.5 4268584.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB093         0   0.49459E-04  613896.1 4268584.0     8.1     5.00    29.60
1.00     NO    HRDOW
 498QB094         0   0.49459E-04  613959.7 4268584.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB095         0   0.49459E-04  614023.3 4268584.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB096         0   0.49459E-04  614086.9 4268584.0     7.8     5.00    29.60
1.00     NO    HRDOW
 498QB097         0   0.49459E-04  614150.5 4268584.0     7.8     5.00    29.60
1.00     NO    HRDOW
 498QB098         0   0.49459E-04  614214.1 4268584.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB099         0   0.49459E-04  614277.7 4268584.0     8.0     5.00    29.60
1.00     NO    HRDOW
 498QB09A         0   0.49459E-04  614341.3 4268584.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB09B         0   0.49459E-04  614404.9 4268584.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB09C         0   0.49459E-04  614468.5 4268584.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB09D         0   0.49459E-04  614532.1 4268584.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB09E         0   0.49459E-04  613832.5 4268648.0     8.4     5.00    29.60
1.00     NO    HRDOW
 498QB09F         0   0.49459E-04  613896.1 4268648.0     8.2     5.00    29.60
1.00     NO    HRDOW
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                         ***       11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL


                                                        *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y       ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 498QB09G         0   0.49459E-04  613959.7 4268648.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB09H         0   0.49459E-04  614023.3 4268648.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB09I         0   0.49459E-04  614086.9 4268648.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB09J         0   0.49459E-04  614150.5 4268648.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB09K         0   0.49459E-04  614214.1 4268648.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB09L         0   0.49459E-04  614277.7 4268648.0     8.2     5.00    29.60
1.00     NO    HRDOW
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498QB09M	0	0.49459E-04	614341.3	4268648.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB09N	0	0.49459E-04	614404.9	4268648.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB09O	0	0.49459E-04	614468.5	4268648.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB09P	0	0.49459E-04	614532.1	4268648.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB09Q	0	0.49459E-04	613832.5	4268711.0	8.5	5.00	29.60
1.00 NO HRDOW							
498QB09R	0	0.49459E-04	613896.1	4268711.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB09S	0	0.49459E-04	613959.7	4268711.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB09T	0	0.49459E-04	614023.3	4268711.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB09U	0	0.49459E-04	614086.9	4268711.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB09V	0	0.49459E-04	614150.5	4268711.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB09W	0	0.49459E-04	614214.1	4268711.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB09X	0	0.49459E-04	614277.7	4268711.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB09Y	0	0.49459E-04	614341.3	4268711.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB09Z	0	0.49459E-04	614404.9	4268711.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB0A0	0	0.49459E-04	614468.5	4268711.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB0A1	0	0.49459E-04	614532.1	4268711.0	7.9	5.00	29.60
1.00 NO HRDOW							
498QB0A2	0	0.49459E-04	613832.5	4268775.0	8.5	5.00	29.60
1.00 NO HRDOW							
498QB0A3	0	0.49459E-04	613896.1	4268775.0	8.4	5.00	29.60
1.00 NO HRDOW							
498QB0A4	0	0.49459E-04	613959.7	4268775.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB0A5	0	0.49459E-04	614023.3	4268775.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB0A6	0	0.49459E-04	614086.9	4268775.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB0A7	0	0.49459E-04	614150.5	4268775.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB0A8	0	0.49459E-04	614214.1	4268775.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB0A9	0	0.49459E-04	614277.7	4268775.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB0AA	0	0.49459E-04	614341.3	4268775.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB0AB	0	0.49459E-04	614404.9	4268775.0	8.2	5.00	29.60
1.00 NO HRDOW							
498QB0AC	0	0.49459E-04	614468.5	4268775.0	7.9	5.00	29.60
1.00 NO HRDOW							
498QB0AD	0	0.49459E-04	614532.1	4268775.0	7.9	5.00	29.60
1.00 NO HRDOW							
498QB0AE	0	0.49459E-04	613832.5	4268839.0	8.5	5.00	29.60
1.00 NO HRDOW							
498QB0AF	0	0.49459E-04	613896.1	4268839.0	8.5	5.00	29.60
1.00 NO HRDOW							
498QB0AG	0	0.49459E-04	613959.7	4268839.0	8.5	5.00	29.60
1.00 NO HRDOW							
498QB0AH	0	0.49459E-04	614023.3	4268839.0	8.5	5.00	29.60

```
1.00     NO    HRDOW
 498QB0AI         0   0.49459E-04  614086.9 4268839.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0AJ         0   0.49459E-04  614150.5 4268839.0     8.2     5.00    29.60
1.00     NO    HRDOW
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                         ***       11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID          CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 498QB0AK         0   0.49459E-04  614214.1 4268839.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0AL         0   0.49459E-04  614277.7 4268839.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0AM         0   0.49459E-04  614341.3 4268839.0     8.1     5.00    29.60
1.00     NO    HRDOW
 498QB0AN         0   0.49459E-04  614404.9 4268839.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0AO         0   0.49459E-04  614468.5 4268839.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0AP         0   0.49459E-04  614532.1 4268839.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0AQ         0   0.49459E-04  613832.5 4268902.0     8.6     5.00    29.60
1.00     NO    HRDOW
 498QB0AR         0   0.49459E-04  613896.1 4268902.0     8.5     5.00    29.60
1.00     NO    HRDOW
 498QB0AS         0   0.49459E-04  613959.7 4268902.0     8.5     5.00    29.60
1.00     NO    HRDOW
 498QB0AT         0   0.49459E-04  614023.3 4268902.0     8.3     5.00    29.60
1.00     NO    HRDOW
 498QB0AU         0   0.49459E-04  614086.9 4268902.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0AV         0   0.49459E-04  614150.5 4268902.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0AW         0   0.49459E-04  614214.1 4268902.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0AX         0   0.49459E-04  614277.7 4268902.0     8.1     5.00    29.60
1.00     NO    HRDOW
 498QB0AY         0   0.49459E-04  614341.3 4268902.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0AZ         0   0.49459E-04  614404.9 4268902.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0B0         0   0.49459E-04  614468.5 4268902.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0B1         0   0.49459E-04  614532.1 4268902.0     7.7     5.00    29.60
1.00     NO    HRDOW
 498QB0B2         0   0.49459E-04  613832.5 4268966.0     8.8     5.00    29.60
1.00     NO    HRDOW
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 498QB0B3         0   0.49459E-04  613896.1 4268966.0     8.5     5.00    29.60
1.00     NO    HRDOW
 498QB0B4         0   0.49459E-04  613959.7 4268966.0     8.5     5.00    29.60
1.00     NO    HRDOW
 498QB0B5         0   0.49459E-04  614023.3 4268966.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0B6         0   0.49459E-04  614086.9 4268966.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0B7         0   0.49459E-04  614150.5 4268966.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0B8         0   0.49459E-04  614214.1 4268966.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0B9         0   0.49459E-04  614277.7 4268966.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0BA         0   0.49459E-04  614341.3 4268966.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0BB         0   0.49459E-04  614404.9 4268966.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0BC         0   0.49459E-04  614468.5 4268966.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0BD         0   0.49459E-04  614532.1 4268966.0     7.8     5.00    29.60
1.00     NO    HRDOW
 498QB0BE         0   0.49459E-04  613832.5 4269029.0     8.8     5.00    29.60
1.00     NO    HRDOW
 498QB0BF         0   0.49459E-04  613896.1 4269029.0     8.5     5.00    29.60
1.00     NO    HRDOW
 498QB0BG         0   0.49459E-04  613959.7 4269029.0     8.5     5.00    29.60
1.00     NO    HRDOW
 498QB0BH         0   0.49459E-04  614023.3 4269029.0     8.3     5.00    29.60
1.00     NO    HRDOW
 498QB0BI         0   0.49459E-04  614086.9 4269029.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0BJ         0   0.49459E-04  614150.5 4269029.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0BK         0   0.49459E-04  614214.1 4269029.0     8.1     5.00    29.60
1.00     NO    HRDOW
 498QB0BL         0   0.49459E-04  614277.7 4269029.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0BM         0   0.49459E-04  614341.3 4269029.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0BN         0   0.49459E-04  614404.9 4269029.0     7.9     5.00    29.60
1.00     NO    HRDOW
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                         ***       11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL


                                                      *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID          CATS.              (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 498QB0BO         0   0.49459E-04  614468.5 4269029.0     7.9     5.00    29.60
```

```
1.00     NO    HRDOW
 498QB0BP         0   0.49459E-04  614532.1 4269029.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0BQ         0   0.49459E-04  613832.5 4269093.0     8.8     5.00    29.60
1.00     NO    HRDOW
 498QB0BR         0   0.49459E-04  613896.1 4269093.0     8.5     5.00    29.60
1.00     NO    HRDOW
 498QB0BS         0   0.49459E-04  613959.7 4269093.0     8.5     5.00    29.60
1.00     NO    HRDOW
 498QB0BT         0   0.49459E-04  614023.3 4269093.0     8.3     5.00    29.60
1.00     NO    HRDOW
 498QB0BU         0   0.49459E-04  614086.9 4269093.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0BV         0   0.49459E-04  614150.5 4269093.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0BW         0   0.49459E-04  614214.1 4269093.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0BX         0   0.49459E-04  614277.7 4269093.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0BY         0   0.49459E-04  614341.3 4269093.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0BZ         0   0.49459E-04  614404.9 4269093.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0C0         0   0.49459E-04  614468.5 4269093.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0C1         0   0.49459E-04  614532.1 4269093.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0C2         0   0.49459E-04  613832.5 4269157.0     8.8     5.00    29.60
1.00     NO    HRDOW
 498QB0C3         0   0.49459E-04  613896.1 4269157.0     8.7     5.00    29.60
1.00     NO    HRDOW
 498QB0C4         0   0.49459E-04  613959.7 4269157.0     8.5     5.00    29.60
1.00     NO    HRDOW
 498QB0C5         0   0.49459E-04  614023.3 4269157.0     8.3     5.00    29.60
1.00     NO    HRDOW
 498QB0C6         0   0.49459E-04  614086.9 4269157.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0C7         0   0.49459E-04  614150.5 4269157.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0C8         0   0.49459E-04  614214.1 4269157.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0C9         0   0.49459E-04  614277.7 4269157.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0CA         0   0.49459E-04  614341.3 4269157.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0CB         0   0.49459E-04  614404.9 4269157.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0CC         0   0.49459E-04  614468.5 4269157.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0CD         0   0.49459E-04  614532.1 4269157.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0CE         0   0.49459E-04  613832.5 4269220.0     9.1     5.00    29.60
1.00     NO    HRDOW
 498QB0CF         0   0.49459E-04  613896.1 4269220.0     8.8     5.00    29.60
1.00     NO    HRDOW
 498QB0CG         0   0.49459E-04  613959.7 4269220.0     8.5     5.00    29.60
1.00     NO    HRDOW
 498QB0CH         0   0.49459E-04  614023.3 4269220.0     8.3     5.00    29.60
1.00     NO    HRDOW
 498QB0CI         0   0.49459E-04  614086.9 4269220.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0CJ         0   0.49459E-04  614150.5 4269220.0     8.2     5.00    29.60
1.00     NO    HRDOW
```

```
 498QB0CK         0   0.49459E-04  614214.1 4269220.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0CL         0   0.49459E-04  614277.7 4269220.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0CM         0   0.49459E-04  614341.3 4269220.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0CN         0   0.49459E-04  614404.9 4269220.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0CO         0   0.49459E-04  614468.5 4269220.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0CP         0   0.49459E-04  614532.1 4269220.0     7.8     5.00    29.60
1.00     NO    HRDOW
 498QB0CQ         0   0.49459E-04  613832.5 4269284.0     9.1     5.00    29.60
1.00     NO    HRDOW
 498QB0CR         0   0.49459E-04  613896.1 4269284.0     8.8     5.00    29.60
1.00     NO    HRDOW
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                       BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X         Y       ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 498QB0CS         0   0.49459E-04  613959.7 4269284.0     8.5     5.00    29.60
1.00     NO    HRDOW
 498QB0CT         0   0.49459E-04  614023.3 4269284.0     8.3     5.00    29.60
1.00     NO    HRDOW
 498QB0CU         0   0.49459E-04  614086.9 4269284.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0CV         0   0.49459E-04  614150.5 4269284.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0CW         0   0.49459E-04  614214.1 4269284.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0CX         0   0.49459E-04  614277.7 4269284.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0CY         0   0.49459E-04  614341.3 4269284.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0CZ         0   0.49459E-04  614404.9 4269284.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0D0         0   0.49459E-04  614468.5 4269284.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0D1         0   0.49459E-04  614532.1 4269284.0     7.7     5.00    29.60
1.00     NO    HRDOW
 498QB0D2         0   0.49459E-04  613832.5 4269347.0     9.1     5.00    29.60
1.00     NO    HRDOW
 498QB0D3         0   0.49459E-04  613896.1 4269347.0     8.8     5.00    29.60
1.00     NO    HRDOW
 498QB0D4         0   0.49459E-04  613959.7 4269347.0     8.5     5.00    29.60
1.00     NO    HRDOW
 498QB0D5         0   0.49459E-04  614023.3 4269347.0     8.3     5.00    29.60
```

```
1.00     NO    HRDOW
 498QB0D6         0   0.49459E-04  614086.9 4269347.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0D7         0   0.49459E-04  614150.5 4269347.0     8.2     5.00    29.60
1.00     NO    HRDOW
 498QB0D8         0   0.49459E-04  614214.1 4269347.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0D9         0   0.49459E-04  614277.7 4269347.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0DA         0   0.49459E-04  614341.3 4269347.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0DB         0   0.49459E-04  614404.9 4269347.0     7.9     5.00    29.60
1.00     NO    HRDOW
 498QB0DC         0   0.49459E-04  614468.5 4269347.0     7.8     5.00    29.60
1.00     NO    HRDOW
 498QB0DD         0   0.49459E-04  614532.1 4269347.0     7.6     5.00    29.60
1.00     NO    HRDOW
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                        ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

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


  ALL        498QB078    , 498QB079    , 498QB07A    , 498QB07B    , 498QB07C    ,
498QB07D    , 498QB07E    , 498QB07F    ,

             498QB07G    , 498QB07H    , 498QB07I    , 498QB07J    , 498QB07K    ,
498QB07L    , 498QB07M    , 498QB07N    ,

             498QB07O    , 498QB07P    , 498QB07Q    , 498QB07R    , 498QB07S    ,
498QB07T    , 498QB07U    , 498QB07V    ,

             498QB07W    , 498QB07X    , 498QB07Y    , 498QB07Z    , 498QB080    ,
498QB081    , 498QB082    , 498QB083    ,

             498QB084    , 498QB085    , 498QB086    , 498QB087    , 498QB088    ,
498QB089    , 498QB08A    , 498QB08B    ,

             498QB08C    , 498QB08D    , 498QB08E    , 498QB08F    , 498QB08G    ,
498QB08H    , 498QB08I    , 498QB08J    ,

             498QB08K    , 498QB08L    , 498QB08M    , 498QB08N    , 498QB08O    ,
498QB08P    , 498QB08Q    , 498QB08R    ,

             498QB08S    , 498QB08T    , 498QB08U    , 498QB08V    , 498QB08W    ,
498QB08X    , 498QB08Y    , 498QB08Z    ,

             498QB090    , 498QB091    , 498QB092    , 498QB093    , 498QB094    ,
498QB095    , 498QB096    , 498QB097    ,

             498QB098    , 498QB099    , 498QB09A    , 498QB09B    , 498QB09C    ,
498QB09D    , 498QB09E    , 498QB09F    ,

             498QB09G    , 498QB09H    , 498QB09I    , 498QB09J    , 498QB09K    ,
```

498QB09L , 498QB09M , 498QB09N ,
498QB09O , 498QB09P , 498QB09Q , 498QB09R , 498QB09S ,
498QB09T , 498QB09U , 498QB09V ,
498QB09W , 498QB09X , 498QB09Y , 498QB09Z , 498QB0A0 ,
498QB0A1 , 498QB0A2 , 498QB0A3 ,
498QB0A4 , 498QB0A5 , 498QB0A6 , 498QB0A7 , 498QB0A8 ,
498QB0A9 , 498QB0AA , 498QB0AB ,
498QB0AC , 498QB0AD , 498QB0AE , 498QB0AF , 498QB0AG ,
498QB0AH , 498QB0AI , 498QB0AJ ,
498QB0AK , 498QB0AL , 498QB0AM , 498QB0AN , 498QB0AO ,
498QB0AP , 498QB0AQ , 498QB0AR ,
498QB0AS , 498QB0AT , 498QB0AU , 498QB0AV , 498QB0AW ,
498QB0AX , 498QB0AY , 498QB0AZ ,
498QB0B0 , 498QB0B1 , 498QB0B2 , 498QB0B3 , 498QB0B4 ,
498QB0B5 , 498QB0B6 , 498QB0B7 ,
498QB0B8 , 498QB0B9 , 498QB0BA , 498QB0BB , 498QB0BC ,
498QB0BD , 498QB0BE , 498QB0BF ,
498QB0BG , 498QB0BH , 498QB0BI , 498QB0BJ , 498QB0BK ,
498QB0BL , 498QB0BM , 498QB0BN ,

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
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*** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
498QB0BO , 498QB0BP , 498QB0BQ , 498QB0BR , 498QB0BS , 498QB0BT , 498QB0BU , 498QB0BV ,	
498QB0BW , 498QB0BX , 498QB0BY , 498QB0BZ , 498QB0C0 , 498QB0C1 , 498QB0C2 , 498QB0C3 ,	
498QB0C4 , 498QB0C5 , 498QB0C6 , 498QB0C7 , 498QB0C8 , 498QB0C9 , 498QB0CA , 498QB0CB ,	
498QB0CC , 498QB0CD , 498QB0CE , 498QB0CF , 498QB0CG , 498QB0CH , 498QB0CI , 498QB0CJ ,	
498QB0CK , 498QB0CL , 498QB0CM , 498QB0CN , 498QB0CO , 498QB0CP , 498QB0CQ , 498QB0CR ,	
498QB0CS , 498QB0CT , 498QB0CU , 498QB0CV , 498QB0CW , 498QB0CX , 498QB0CY , 498QB0CZ ,	
498QB0D0 , 498QB0D1 , 498QB0D2 , 498QB0D3 , 498QB0D4 , 498QB0D5 , 498QB0D6 , 498QB0D7 ,	

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             498QB0D8    , 498QB0D9    , 498QB0DA    , 498QB0DB    , 498QB0DC    ,
498QB0DD    ,
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB078     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB079     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SATURDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
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*** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB07A ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB07B ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB07C     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
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 *** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB07D ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB07E ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***          12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB07F     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***          12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB07G     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
```

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB07H ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB07I ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB07J ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															

    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB07K   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

                                   PAGE 23
 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB07L   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB07M     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

 SOURCE ID = 498QB07N   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                      ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB07O   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    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 .1000E+01

```
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                        ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB07P     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                        ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB07Q     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
```

```
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB07R     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB07S     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

```
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB07T     ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
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*** AERMET - VERSION 14134 ***   ***
                      ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB07U   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                      ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB07V   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    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 .1000E+01

```
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB07W     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB07X     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB07Y     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB07Z   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                                DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                                DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB080   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                                DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                                DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                        ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

                                  PAGE 39
 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB081   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                        ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

                                  PAGE 40
 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB082   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01

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   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

                                   PAGE  41
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB083     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 SOURCE ID = 498QB084     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                      ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB085     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***       11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB086     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***       11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB087     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***          12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB088     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***          12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

                                   PAGE  47
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB089     ; 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  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB08A     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
```

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

SOURCE ID = 498QB08B ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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

SOURCE ID = 498QB08C ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00						

22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB08D ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1000E+01 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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB08E ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

```
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB08F     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = 498QB08G ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1000E+01	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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB08H ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1000E+01	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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB08I     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB08J     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB08K     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

SOURCE ID = 498QB08L ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB08M ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                        ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB08N   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                        ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

                                   PAGE 62
 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB08O   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                   DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB08P     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                   DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                   DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                   DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB08Q     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB08R     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB08S ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB08T ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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

SOURCE ID = 498QB08U ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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

SOURCE ID = 498QB08V ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB08W     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL
```

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

SOURCE ID = 498QB08X ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY											
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM *** 12/04/15
*** AERMET - VERSION 14134 *** *** *** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB08Y ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY											
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY											
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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB08Z     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB090     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SATURDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB091 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01
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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB092 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                      ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB093     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
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 *** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB094 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB095 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB096     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

                                   PAGE  81
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB097     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
```

```
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

                                 PAGE  82
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB098     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB099 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB09A ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															

    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB09B   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB09C   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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

SOURCE ID = 498QB09D ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1000E+01 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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

```
WEEK (HRDOW) *

 SOURCE ID = 498QB09E     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

                                  PAGE  89
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB09F     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
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   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                        ***        11:04:14

                                   PAGE  90
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB09G     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                        ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB09H     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
```

```
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB09I     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB09J     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB09K ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15

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 *** AERMET - VERSION  14134 ***   ***
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB09L     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                      ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                      ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB09M     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
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   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB09N     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB09O     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB09P     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB09Q   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

                                   PAGE 101
 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB09R   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                        ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB09S   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                        ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB09T   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01

```
  17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   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  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   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  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB09U     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   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  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   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  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

```
 SOURCE ID = 498QB09V     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                      ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB09W     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                      ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                      ***   11:04:14

                                 PAGE 107
 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB09X   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                      ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                      ***   11:04:14

                                 PAGE 108
 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB09Y   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

                                   PAGE 109
 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB09Z   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0A0   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

```
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***       11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0A1     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
```

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

SOURCE ID = 498QB0A2 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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

SOURCE ID = 498QB0A3 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00						

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                      ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                      ***   11:04:14

 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0A4   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                      ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                      ***   11:04:14

 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0A5   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00

```
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0A6     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

                                   PAGE 117
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL
```

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

SOURCE ID = 498QB0A7 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0A8 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

 SOURCE ID = 498QB0A9   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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

 SOURCE ID = 498QB0AA   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                        ***       11:04:14

                                  PAGE 121
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL


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

 SOURCE ID = 498QB0AB     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                        ***       11:04:14

                                  PAGE 122
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

```
 SOURCE ID = 498QB0AC     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                      ***         11:04:14

                                  PAGE 123
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0AD     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
```

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22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***       11:04:14

                                  PAGE 124
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0AE     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***       11:04:14

                                  PAGE 125
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0AF     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0AG   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0AH   ; 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  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

                                   PAGE 128
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0AI     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
```

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

SOURCE ID = 498QB0AJ ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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

SOURCE ID = 498QB0AK ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00						

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                      ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                      ***   11:04:14

 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0AL   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                      ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                      ***   11:04:14

 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0AM   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

DAY OF WEEK = WEEKDAY

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00

6 .0000E+00 7 .1000E+01 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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0AN ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1000E+01 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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0AO ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0AP ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0AQ     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0AR     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0AS     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

SOURCE ID = 498QB0AT ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY											
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0AU ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY											
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                        ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

                                   PAGE 141
 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0AV   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                        ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0AW   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0AX     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0AY     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0AZ     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0B0 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0B1 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01								
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0B2 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01								
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

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	.1000E+01								
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

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	.1000E+01								
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0B3 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0B4     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL
```

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

SOURCE ID = 498QB0B5 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY											
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM *** 12/04/15
*** AERMET - VERSION 14134 *** *** *** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0B6 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY											
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY											
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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0B7     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0B8     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SATURDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
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*** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0B9 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
-	-	-	-	-	-	-	-	-	-	-	-	-	-

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01
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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0BA ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                      ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0BB     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
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                          ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                         ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0BC     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                          ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                         ***        11:04:14

                                    PAGE 159
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0BD     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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
```

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14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0BE     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0BF     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
```

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01
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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0BG ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01
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	.1000E+01	17	.1000E+01	18	.1000E+01	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	.1000E+01
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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0BH ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0BI ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0BJ   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

                                  PAGE 166
 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0BK   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01

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14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0BL     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

SOURCE ID = 498QB0BM ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1000E+01	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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0BN ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1000E+01	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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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	.1000E+01				

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   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                         ***       11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0BO     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                         ***       11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0BP     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
```

```
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0BQ     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0BR     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0BS ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15

*** AERMET - VERSION 14134 ***   ***
                      ***   11:04:14

 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0BT   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
*** AERMET - VERSION 14134 ***   ***
                      ***   11:04:14

 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0BU   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    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 .1000E+01

```
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0BV     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

                                  PAGE 178
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0BW     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

                                  PAGE 179
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0BX     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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```

 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0BY   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

                                   PAGE 181
 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0BZ   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0C0   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

                                  PAGE 183
 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0C1   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01

```
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

                                   PAGE 184
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0C2     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

                                   PAGE 185
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 SOURCE ID = 498QB0C3     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                      ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0C4     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
```

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22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

                                  PAGE 187
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0C5     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                       DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                       DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                       DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

                                  PAGE 188
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0C6     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                       DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                       DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***          12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

                                   PAGE 189
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0C7     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***          12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

                                   PAGE 190
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0C8     ; 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  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

                                 PAGE 191
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0C9     ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = 498QB0CA ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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

SOURCE ID = 498QB0CB ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00						

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                     DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***       11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0CC     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                     DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                     DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                     DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***       11:04:14

                                  PAGE 195
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0CD     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                     DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00 7 .1000E+01 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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0CE ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .1000E+01 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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0CF ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1000E+01	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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0CG ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR				

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.1000E+01	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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

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	.1000E+01				
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0CH     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0CI     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0CJ     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

SOURCE ID = 498QB0CK ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY											
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0CL ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY											
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                        ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0CM   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                        ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0CN   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0CO     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0CP     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0CQ     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0CR ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0CS ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01								
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

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

SOURCE ID = 498QB0CT ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01								
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

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	.1000E+01								
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

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	.1000E+01								
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

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

SOURCE ID = 498QB0CU ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***    ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0CV     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***    ***
                       ***        11:04:14

                                   PAGE 214
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = 498QB0CW ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY											
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0CX ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY											
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY											
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	.1000E+01	17	.1000E+01	18	.1000E+01
19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY											
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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0CY     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0CZ     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SATURDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0D0 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
-	-	-	-	-	-	-	-	-	-	-	-	-	-

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01
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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

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	.1000E+01	17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0D1 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0D2     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
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 *** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0D3 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
 *** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0D4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .1000E+01 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 .1000E+01
17 .1000E+01 18 .1000E+01 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0D5     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                       ***         12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***         11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0D6     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
```

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0D7 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0D8 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

SOURCE ID = 498QB0D9 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.1000E+01	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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
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	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															

    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0DA   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    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 .1000E+01
   17 .1000E+01   18 .1000E+01   19 .1000E+01   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
♀ *** AERMOD - VERSION 14134 ***   *** MRIC Construction DPM
                       ***   12/04/15
 *** AERMET - VERSION 14134 ***   ***
                       ***   11:04:14

                                  PAGE 229
 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL

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

 SOURCE ID = 498QB0DB   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .1000E+01   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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

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

 SOURCE ID = 498QB0DC     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

                                  PAGE 231
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
WEEK (HRDOW) *

 SOURCE ID = 498QB0DD     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .1000E+01    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    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  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

                                          *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

                     METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 2010   1  1
 7
                                                          AND END DATE: 2014  12 31
19

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

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM *** 12/04/15
*** AERMET - VERSION 14134 *** *** 11:04:14

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: I:\PROJECTS\ACTIVE\DAVIS\INNOVATION PARKS\REFERENCE MATERIALS APPLICABLE TO BOTH Met Version: 14134
Profile file: I:\PROJECTS\ACTIVE\DAVIS\INNOVATION PARKS\REFERENCE MATERIALS APPLICABLE TO BOTH
Surface format: FREE

Profile format: FREE

Surface station no.: 93225 Upper air station no.: 23230
Name: SACINT'L Name: UNKNOWN

Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-11.2	0.101	-9.000	-9.000	-999.	78.	8.6	0.04	0.69	1.00	2.86	121.	10.1	282.0	2.0
10	01	01	1	02	-35.3	0.309	-9.000	-9.000	-999.	412.	76.4	0.04	0.69	1.00	4.86	128.	10.1	282.5	2.0
10	01	01	1	03	-13.4	0.117	-9.000	-9.000	-999.	137.	11.0	0.06	0.69	1.00	2.86	154.	10.1	283.1	2.0
10	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.05	0.69	1.00	0.00	0.	10.1	282.5	2.0
10	01	01	1	05	-4.0	0.072	-9.000	-9.000	-999.	46.	8.4	0.07	0.69	1.00	1.76	203.	10.1	282.5	2.0
10	01	01	1	06	-12.3	0.180	-9.000	-9.000	-999.	184.	43.7	0.06	0.69	1.00	2.86	172.	10.1	282.5	2.0
10	01	01	1	07	-18.8	0.328	-9.000	-9.000	-999.	451.	171.8	0.04	0.69	1.00	4.86	145.	10.1	282.0	2.0
10	01	01	1	08	-18.4	0.271	-9.000	-9.000	-999.	340.	98.8	0.06	0.69	1.00	3.86	163.	10.1	283.1	2.0
10	01	01	1	09	1.7	0.275	0.091	0.005	16.	347.	-1106.6	0.07	0.69	0.41	3.36	187.	10.1	283.8	2.0
10	01	01	1	10	18.3	0.346	0.376	0.005	106.	489.	-207.9	0.06	0.69	0.28	4.36	151.	10.1	284.2	2.0
10	01	01	1	11	32.1	0.280	0.546	0.005	185.	358.	-62.7	0.06	0.69	0.24	3.36	174.	10.1	284.9	2.0
10	01	01	1	12	17.3	0.237	0.468	0.006	216.	277.	-70.3	0.06	0.69	0.22	2.86	176.	10.1	284.9	2.0
10	01	01	1	13	17.9	0.253	0.491	0.005	242.	306.	-82.9	0.04	0.69						

```
0.22    3.36  143.   10.1  284.9    2.0
 10 01 01   1 14   72.4  0.444  0.876  0.005  339.  710.   -110.3  0.04   0.69
0.23    5.96  149.   10.1  285.9    2.0
 10 01 01   1 15    9.0  0.350  0.445  0.005  356.  503.   -434.5  0.04   0.69
0.26    4.86  132.   10.1  285.9    2.0
 10 01 01   1 16    6.8  0.314  0.410  0.005  368.  424.   -414.6  0.04   0.69
0.35    4.36  144.   10.1  285.9    2.0
 10 01 01   1 17    1.6 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.05   0.69
0.61    0.00    0.   10.1  285.9    2.0
 10 01 01   1 18   -3.6  0.068 -9.000 -9.000 -999.   42.      7.8  0.06   0.69
1.00    1.76  177.   10.1  285.4    2.0
 10 01 01   1 19   -3.7  0.068 -9.000 -9.000 -999.   42.      7.8  0.06   0.69
1.00    1.76  154.   10.1  284.9    2.0
 10 01 01   1 20   -8.5  0.150 -9.000 -9.000 -999.  139.     36.1  0.07   0.69
1.00    2.36  207.   10.1  284.9    2.0
 10 01 01   1 21  -10.7  0.188 -9.000 -9.000 -999.  196.     57.2  0.06   0.69
1.00    2.86  170.   10.1  284.9    2.0
 10 01 01   1 22   -7.8  0.138 -9.000 -9.000 -999.  124.     30.7  0.06   0.69
1.00    2.36  172.   10.1  284.2    2.0
 10 01 01   1 23  -14.9  0.150 -9.000 -9.000 -999.  140.     20.7  0.06   0.69
1.00    2.86  160.   10.1  284.2    2.0
 10 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.05   0.69
1.00    0.00    0.   10.1  279.9    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01   10.1 1  121.    2.86   282.1   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

                                   PAGE 234
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

                  *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   4
YEARS FOR SOURCE GROUP: ALL      ***
                                   INCLUDING SOURCE(S):     498QB078    , 498QB079
, 498QB07A    , 498QB07B    , 498QB07C    ,
                 498QB07D    , 498QB07E    , 498QB07F    , 498QB07G    , 498QB07H
, 498QB07I    , 498QB07J    , 498QB07K    ,
                 498QB07L    , 498QB07M    , 498QB07N    , 498QB07O    , 498QB07P
, 498QB07Q    , 498QB07R    , 498QB07S    ,
                 498QB07T    , 498QB07U    , 498QB07V    , 498QB07W    , 498QB07X
, 498QB07Y    , 498QB07Z    ,  . . .      ,

                                              *** SENSITIVE DISCRETE RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
         613319.00    4269065.00        0.00298                      613589.00
4268736.00        0.00588
         613586.00    4268776.00        0.00589                      613566.50
4268574.00        0.00501
```

```
        613563.50    4268517.00        0.00477                        613677.20
4268531.00        0.00758
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                        ***       11:04:14

                                  PAGE 235
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     498QB078    , 498QB079
, 498QB07A    , 498QB07B    , 498QB07C    ,
                 498QB07D    , 498QB07E    , 498QB07F    , 498QB07G    , 498QB07H
, 498QB07I    , 498QB07J    , 498QB07K    ,
                 498QB07L    , 498QB07M    , 498QB07N    , 498QB07O    , 498QB07P
, 498QB07Q    , 498QB07R    , 498QB07S    ,
                 498QB07T    , 498QB07U    , 498QB07V    , 498QB07W    , 498QB07X
, 498QB07Y    , 498QB07Z    ,  . . .      ,

                                               *** SENSITIVE DISCRETE RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
       613319.00   4269065.00        0.74868  (13010118)                613589.00
4268736.00        0.89073  (14010317)
       613586.00   4268776.00        0.87405  (13010208)                613566.50
4268574.00        0.93045  (12120317)
       613563.50   4268517.00        0.94210  (13011507)                613677.20
4268531.00        1.04854  (13011507)
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                         ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                        ***       11:04:14

                                  PAGE 236
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     498QB078    , 498QB079
, 498QB07A    , 498QB07B    , 498QB07C    ,
                 498QB07D    , 498QB07E    , 498QB07F    , 498QB07G    , 498QB07H
, 498QB07I    , 498QB07J    , 498QB07K    ,
                 498QB07L    , 498QB07M    , 498QB07N    , 498QB07O    , 498QB07P
, 498QB07Q    , 498QB07R    , 498QB07S    ,
                 498QB07T    , 498QB07U    , 498QB07V    , 498QB07W    , 498QB07X
, 498QB07Y    , 498QB07Z    ,  . . .      ,

                                               *** SENSITIVE DISCRETE RECEPTOR POINTS
***

                                          ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
```

```
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        613319.00   4269065.00        0.09444c (14122124)                613589.00
4268736.00        0.11417c (14122124)
        613586.00   4268776.00        0.11416c (14122124)                613566.50
4268574.00        0.10816c (14122124)
        613563.50   4268517.00        0.10543c (14122124)                613677.20
4268531.00        0.11963c (14122124)
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

                                  PAGE 237
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

                              *** THE MAXIMUM    1   1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     498QB078    , 498QB079
, 498QB07A    , 498QB07B    , 498QB07C    ,
                498QB07D    , 498QB07E    , 498QB07F    , 498QB07G    , 498QB07H
, 498QB07I    , 498QB07J    , 498QB07K    ,
                498QB07L    , 498QB07M    , 498QB07N    , 498QB07O    , 498QB07P
, 498QB07Q    , 498QB07R    , 498QB07S    ,
                498QB07T    , 498QB07U    , 498QB07V    , 498QB07W    , 498QB07X
, 498QB07Y    , 498QB07Z    ,  . . .      ,

                                        ** CONC OF PM25     IN MICROGRAMS/M**3
                   **

 RANK        CONC    (YYMMDDHH) AT      RECEPTOR (XR,YR) OF TYPE    RANK        CONC
   (YYMMDDHH) AT      RECEPTOR (XR,YR) OF TYPE
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
    1.       1.04854 (13011507) AT ( 613677.20, 4268531.00)  SR

  *** RECEPTOR TYPES:  GC = GRIDCART
                       GP = GRIDPOLR
                       DC = DISCCART
                       DP = DISCPOLR
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***        12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***        11:04:14

                                  PAGE 238
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

                              *** THE MAXIMUM    1  24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     498QB078    , 498QB079
, 498QB07A    , 498QB07B    , 498QB07C    ,
                498QB07D    , 498QB07E    , 498QB07F    , 498QB07G    , 498QB07H
, 498QB07I    , 498QB07J    , 498QB07K    ,
                498QB07L    , 498QB07M    , 498QB07N    , 498QB07O    , 498QB07P
, 498QB07Q    , 498QB07R    , 498QB07S    ,
                498QB07T    , 498QB07U    , 498QB07V    , 498QB07W    , 498QB07X
, 498QB07Y    , 498QB07Z    ,  . . .      ,

                                        ** CONC OF PM25     IN MICROGRAMS/M**3
                   **
```

```
 RANK        CONC    (YYMMDDHH) AT      RECEPTOR (XR,YR) OF TYPE    RANK        CONC
   (YYMMDDHH) AT      RECEPTOR (XR,YR) OF TYPE
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
    1.       0.11963c(14122124) AT ( 613677.20, 4268531.00)  SR

  *** RECEPTOR TYPES:  GC = GRIDCART
                       GP = GRIDPOLR
                       DC = DISCCART
                       DP = DISCPOLR
♀ *** AERMOD - VERSION  14134 ***   ***  MRIC Construction DPM
                        ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***       11:04:14

                                 PAGE 239
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER   4 YEARS ***


                                   ** CONC OF PM25     IN MICROGRAMS/M**3
               **


                        NETWORK
GROUP ID                       AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       0.00758 AT (  613677.20,  4268531.00,     8.53,
    8.53,    1.80)  SR
          2ND HIGHEST VALUE IS       0.00589 AT (  613586.00,  4268776.00,     9.14,
    9.14,    1.80)  SR
          3RD HIGHEST VALUE IS       0.00588 AT (  613589.00,  4268736.00,     8.84,
    8.84,    1.80)  SR
          4TH HIGHEST VALUE IS       0.00501 AT (  613566.50,  4268574.00,     9.02,
    9.02,    1.80)  SR
          5TH HIGHEST VALUE IS       0.00477 AT (  613563.50,  4268517.00,     9.14,
    9.14,    1.80)  SR
          6TH HIGHEST VALUE IS       0.00298 AT (  613319.00,  4269065.00,     9.45,
    9.45,    1.80)  SR
          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  14134 ***   ***  MRIC Construction DPM
                        ***       12/04/15
 *** AERMET - VERSION  14134 ***   ***
                       ***       11:04:14
```

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	DATE (YYMMDDHH)	RECEPTOR GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	1.04854 ON 13011507:	AT (613677.20, 4268531.00, 8.53, 8.53, 1.80) SR

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** *** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	DATE (YYMMDDHH)	RECEPTOR GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.11963c ON 14122124:	AT (613677.20, 4268531.00, 8.53, 8.53, 1.80) SR

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 14134 *** *** MRIC Construction DPM
*** *** 12/04/15
*** AERMET - VERSION 14134 *** ***
*** 11:04:14

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

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

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

A Total of            0 Fatal Error Message(s)
A Total of            4 Warning Message(s)
A Total of         9521 Informational Message(s)

A Total of        43813 Hours Were Processed

A Total of         7880 Calm Hours Identified

A Total of         1640 Missing Hours Identified (  3.74 Percent)


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


   ********   WARNING MESSAGES   ********
CO W276    1805       POLLID: Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled
PM25 H1H
CO W276      17       POLLID: Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled
PM25 H1H
CO W363      19       COCARD: Multiyr 24h/Ann PM25 processing not applicable for
PM25 H1H
MX W481   43819         MAIN: Data Remaining After End of Year. Number of Hours=
    8749

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

*HARP - HRACalc v15197 12/4/2015 11:09:37 AM - Cancer Risk

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_RISK
1			9901	DieselExhPM	0.007584	5.35E-06	18YrCancerDerived	*	5.35E-06	0.00E+00	0.00E+00

MMILK_RISK	WATER_RISK	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISK	EGG_RISK	1ST_DRIVER	2ND_DRIVER
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

PASTURE_CONC	FISH_CONC	WATER_CONC
0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v15197 12/4/2015 11:09:37 AM - Acute Risk

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV
1			9901	DieselExhPM	1.04853	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v15197 12/4/2015 11:09:37 AM - Chronic Risk

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY
1			9901	DieselExhPM	0.007584	NonCancerChronicDerived	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC
0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.58E-03

SOIL_DOSE	DERMAL_DOSE	MMILK_DOSE	WATER_DOSE	FISH_DOSE	CROP_DOSE	BEEF_DOSE	DAIRY_DOSE	PIG_DOSE	CHICKEN_DOSE
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

EGG_DOSE	1ST_DRIVER	2ND_DRIVER	3RD_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
0.00E+00	INHALATION			0.00E+00	0.00E+00	0.00E+00

APPENDIX I

Davis Travel Demand Model – Development Report

Table of Contents

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Appendices

1. INTRODUCTION

Background

The City of Davis commissioned the development of a travel demand model in 1991 for use in developing the city's General Plan. This model was recalibrated in 1998 using updated data, and was used by the City to evaluate several large land developments that were then under consideration, including Mace Ranch and Wild Horse.

Now that these developments are complete and their traffic impacts are no longer speculative, there is a need to update the model using data that includes these developments. The updating also creates an opportunity to model the traffic generated by UC Davis in a much more detailed and accurate manner than was done previously. Moreover, since the original development of the model in 1991, travel demand forecasting software has become much more powerful. Programs such as TransCAD can now take roadway data directly from the City's GIS and produce outputs that can be directly entered back into the GIS for use by all City departments.

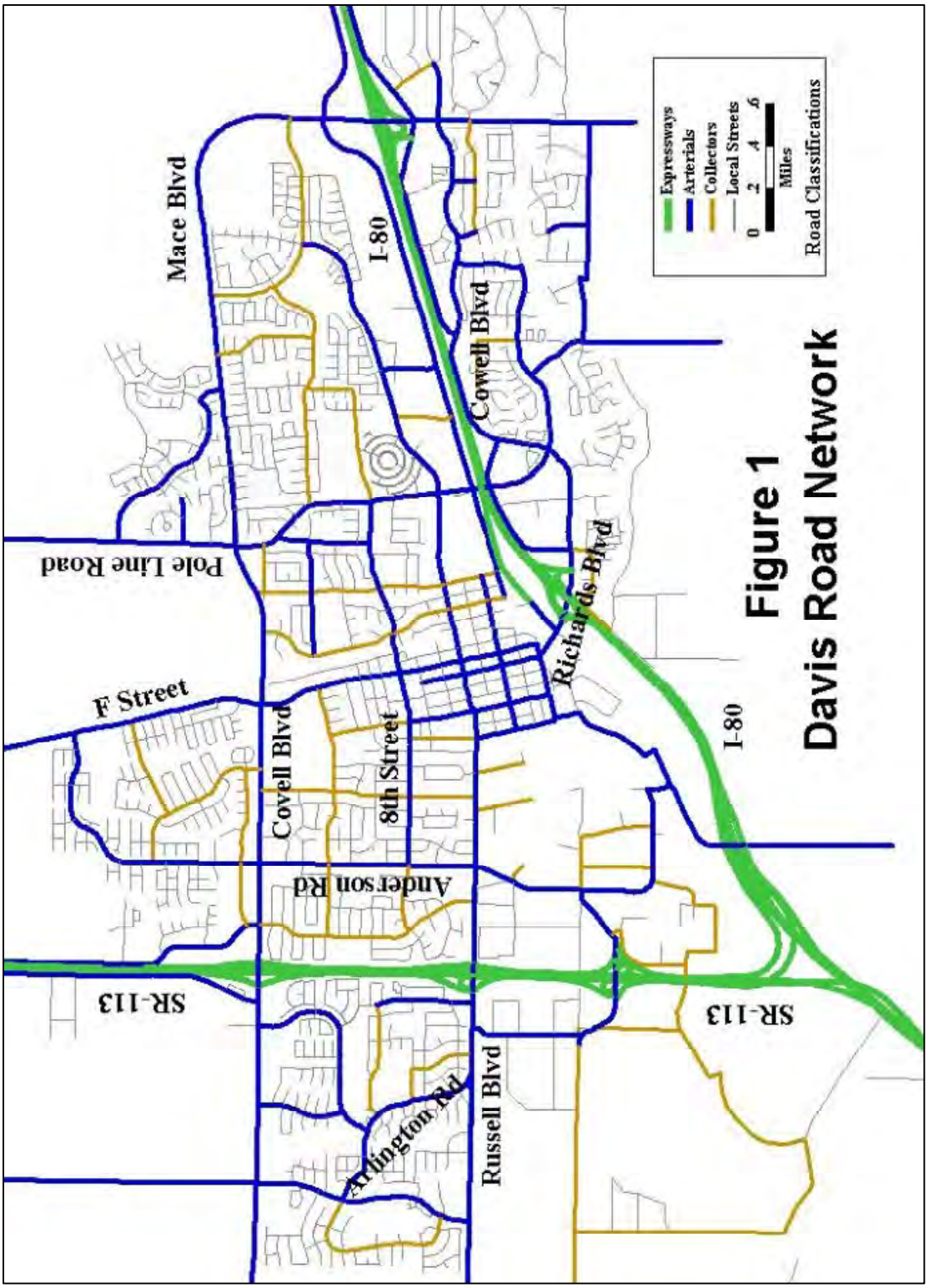
In July 2002 Fehr & Peers Associates, Inc. was engaged to create a new travel demand model using the best available software. This document describes the model development process and presents the validation results, which measure the model's accuracy.

Study Area

Figure 1 shows the study area for the Davis Travel Demand Model. The area encompasses the entire City of Davis and its immediate surroundings, including all of the UC Davis main campus. The roads shown in the figure and described below form the main road network as defined in the General Plan.

Freeways

- Interstate 80 (I-80) is the main access route connecting Davis with Sacramento to the east and the Bay Area to the west. The section in the study area is a 6-8 lane divided freeway.
- State Route 113 (SR-113) runs north through the City of Davis from a "T" interchange with I-80 near UC Davis. SR-113 connects Davis to Woodland and other cities further north. The section in the study area is a 4-lane divided highway.


Davis Road Network
Figure 1
Road Classifications
Expressways
Arterials
Collectors
Local Streets
0 2 4 6
Miles
Mace Blvd
I-80
Cowell Blvd
Pole Line Road
Richards Blvd
F Street
Covell Blvd
8th Street
I-80
Anderson Rd
SR-113
SR-113
Russell Blvd
Arlington Rd

Arterials

- Russell Boulevard / Fifth Street is the most important east-west arterial running through Davis. It enters the city from the west, and then forms the border between UC Davis (to its south) and west and central Davis to its north. Russell Boulevard then passes through the central business district, becomes Fifth Street, and serves as a spine for east Davis. Altogether there are fourteen signalized intersections on Russell Boulevard/Fifth Street .
- Covell Boulevard is the second most important east-west arterial, running parallel to Russell Boulevard one mile to the north. Covell Boulevard starts as County Road 31 west of Davis and runs the entire length of the City, with thirteen signalized intersections. Adjacent land uses include three shopping centers, a hospital, and Davis High School. Its eastern end is a curve after which it becomes Mace Boulevard
- Richards Boulevard is a short road connecting Davis' central business district to I-80 and south Davis. The section connecting downtown Davis to I-80 passes through a 2-lane tunnel under a set of railroad tracks. The road then widens to accommodate the turn lanes of the I-80 interchange, and ends in a junction with Cowell Boulevard
- Cowell Boulevard is the east-west spine of south Davis. Adjacent land uses include two shopping centers and a medical center.

Primary Collectors

- Eighth Street runs east-west through the central part of Davis between Covell and Russell. The adjacent land uses are mainly residential.
- Pole Line Road enters the city from the north as County Road 102. The adjacent land uses are mixed, and include apartments, a cemetery, the DMV office, a U.S. Post Office, and some single family dwellings with driveways directly onto Pole Line Road. It has one through lane in each direction, with turn pockets in some locations.
- Anderson Road runs north-south through central Davis and part of north Davis, curving east-west near the city's northern boundary. It has front-on single family dwellings for most of its length, but also has an adjacent school and shopping center.
- F Street enters the city from the north as County Road 101A, passes through a residential area, and becomes the north-south spine of the central business district. It has one through lane in each direction, with turn pockets in some locations.

- Arlington Road is the most important collector in west Davis. Adjacent land uses include a shopping center and a junior high school.

The remaining roads in the City of Davis are considered secondary collectors or local streets.

UC Davis Roadways

- **La Rue Road** is one of the northern gateways to campus. La Rue Road forms the western portion of campus loop roadway between California Avenue and Russell Boulevard. La Rue Road is two lanes in the southern portion of campus and widens to four lanes at Garrod Drive. La Rue Road becomes Anderson Road north of Russell Boulevard and provides access to uses within the northern area of the City of Davis.
- **Hutchison Drive** is the western campus gateway. Hutchison Drive is primarily four lanes east of SR 113 except for a two lane section between Health Sciences Drive and La Rue Road. Hutchison Drive serves vehicles traveling to the core campus and is restricted to campus and emergency vehicles east of California Avenue. West of SR 113, Hutchison Drive is two lanes and serves the agricultural uses and campus facilities between SR 113 and County Road 98.
- **Old Davis Road** is the southern campus gateway and forms the southern portion of the campus loop roadway. Old Davis Road is two lanes and provides access to the South Entry Parking Structure and the Robert and Margrit Mondavi Center for the Performing Arts. The portion of the roadway between California Avenue and Mrak Hall Drive was recently realigned to provide access to the performing arts center and is referred to as New Davis Road.

Software

One of the first decisions made in the development process was the selection of travel demand software, which was based on the following criteria:

- It should be a standard, off-the-shelf package so that it is readily available to any potential user;
- The package should be both powerful and flexible;
- Technical support should be readily available; and
- The latest generation of software package is preferable because it will be more powerful and is likely to remain commercially available longer than the older packages.

Of the latest generation of standard packages, TransCAD was selected because of its flexibility and because of its GIS capabilities that make it easy to generate and compare land use scenarios.

2. COMPONENTS OF THE MODEL

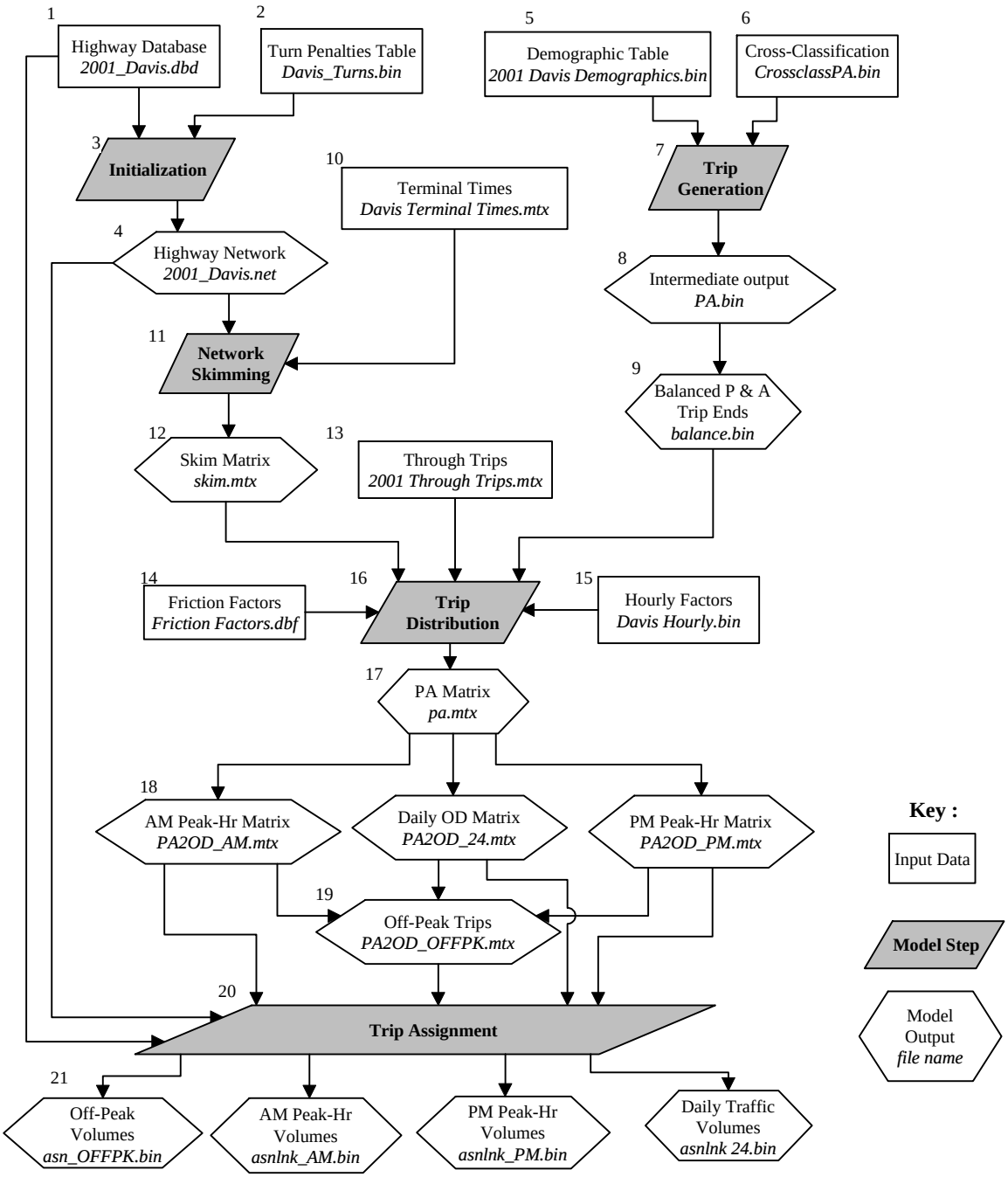
The components of the Davis travel demand model are described in the sections below, and their relationship to each other is shown in Figure 2. The input data is discussed in detail in the next chapter.

Main Model Files and Stages

The model consists of three kinds of components, namely input data, model steps, and model outputs. The input data are files prepared by the modeler to represent different aspects of Davis traffic conditions. The model steps are the five processes that the model goes through in determining traffic flows (see Figure 2). These steps are applicable to most traffic models. The model outputs are data files produced by the model. Some of these files are used as inputs into other steps in the model.

1) Highway Database *(2001_Davis.dbd)*: This is a family of files showing the length, location, free-flow speed, capacity, and other characteristics of the roadways in Davis.
2) Turn Penalty Table (*Davis Turns.bin*): This file contains information about delays incurred when vehicles make certain movements, such as a left turns across Russell Boulevard. It also contains information on where turns are prohibited.
3) Initialization: In this step the model takes the highway data and converts it into a format used by the computer. Some basic characteristics of the input data are also checked (e.g., no two links can have the same ID number) and an error message may occur if problems are detected.
4) Highway Network *(2001_Davis.net)*: The output from the initialization step is a network file for use in later steps in the model.
5) Demographic Table *(2001 Davis Demographics.bin)*: The travel demand characteristics of the traffic analysis zones (TAZ's) are stored in this file. This includes such things as the number of single- and multi-family dwellings, and the square footage or acreage of commercial, industrial, and other land uses.
6) Cross Classification Table *(CrossclassPA.bin)*: This file contains the daily trip production and attraction rates for each of the land uses listed in the demographic table. These rates are disaggregated by trip purpose. For example, one cell in the table would contain the average daily number of home-based work (HBW) trips per single-family dwelling.

FIGURE 2: COMPONENTS OF THE DAVIS TRAVEL DEMAND MODEL



7) Trip Generation: This step multiplies the demographic and cross classification tables together to produce a first estimate of trip ends, and then balances the production and attraction totals.

8) Intermediate Output *(PA.bin)*: This file contains the model's initial estimate of trips, based on multiplying the demographic data by the cross classification data.

9) Balanced P & A Trip Ends *(balance.bin)*: The model balances the trip production and attraction estimates based on instructions given in the model's resource file. The modeler chooses which estimate is more accurate (productions or attractions). The model then factors the other estimate up or down until it equals the selected estimate.

10) Terminal Times Matrix *(Terminal Times.mtx)*: This file stores the average travel times associated with the start and end of each trip, such as time spent looking for a parking place and parking. The file is in the form of TAZ-TAZ matrix, so each cell contains the sum of the terminal times at the origin TAZ and destination TAZ. External trips do not make use of terminal times[1].

11) Network Skimming: The model examines the travel times for all of the possible routes between each origin TAZ and each destination TAZ, including the terminal times, and stores information on the quickest route.

12) Skim Matrix *(skim.mtx)*: This file stores information on the quickest path between each origin-destination pair. The data is stored in the form of a TAZ-to-TAZ matrix with each cell showing the shortest travel time in minutes.

13) Through Trips *(2001 Through Trips.mtx)*: This file informs the model of the number of through trips, in TAZ-to-TAZ format.

14) Friction Factors *(Friction Factors.dbf)*: This file contains the friction factors that will be used in determining the relative attractiveness of TAZ's based on the travel time from the origin TAZ to the destination TAZ.

15) Hourly Factors *(Davis Hourly.bin)*: This file informs the model of the percentage of trips that take place during the peak hours. The file is in the form of a matrix with one row for each hour of the day and two columns for each trip purpose, one for the initial trip, and the other for the return trip. The Davis model includes an AM peak hour (7:00-8:00) and a PM peak hour (16:00-17:00).

[1] The travel times for external zones are calculated in a post-processing step external to the TransCAD model. This enables analysts to determine the difference in the regional total VMT when UCD students live in Davis versus the same number of students living elsewhere and commuting to campus.

16) Trip Distribution: The model uses the five input files to determine how trips are distributed among origin-destination pairs and among time periods.

17) Production-Attraction Matrix *(pa.mtx)*: The trip distribution step produces this file as an intermediate product prior to applying hourly factors.

18) Origin-Destination Matrices *(PA20D_24.mtx, A2OD_AM.mtx, PA2OD_PM.mtx)*: The model produces an output file containing the number of trips between each origin-destination pair for the AM peak hour, PM peak hour, and 24-hour periods.

19) Off-Peak Origin-Destination Matrix *(PA20D_OFFPK.mtx)*: The model takes the peak hour trip matrices, multiplies them by a factor so that they represent a 3-hour peak period, and then subtracts this from the 24-hour matrix. The result is a matrix of trips taken during off-peak hours. This is then divided by a factor to produce the loading during the afternoon off-peak period.

20) Trip Assignment: The final step in the model is an iterative process whereby the quickest route is determined for each of the trips in the O-D matrix, taking into account congestion caused by other trips.

21) Hourly Traffic Volumes *(asnlnk_AM.bin, asnlnk_PM.bin, asnlnk_OFFPK.bin, asnlnk24.bin)*: These files store the traffic volumes on each link for the AM peak hour, the PM peak hour, a typical off-peak hour, and for the 2-4 hour period. These volumes are among the main outputs of the model.

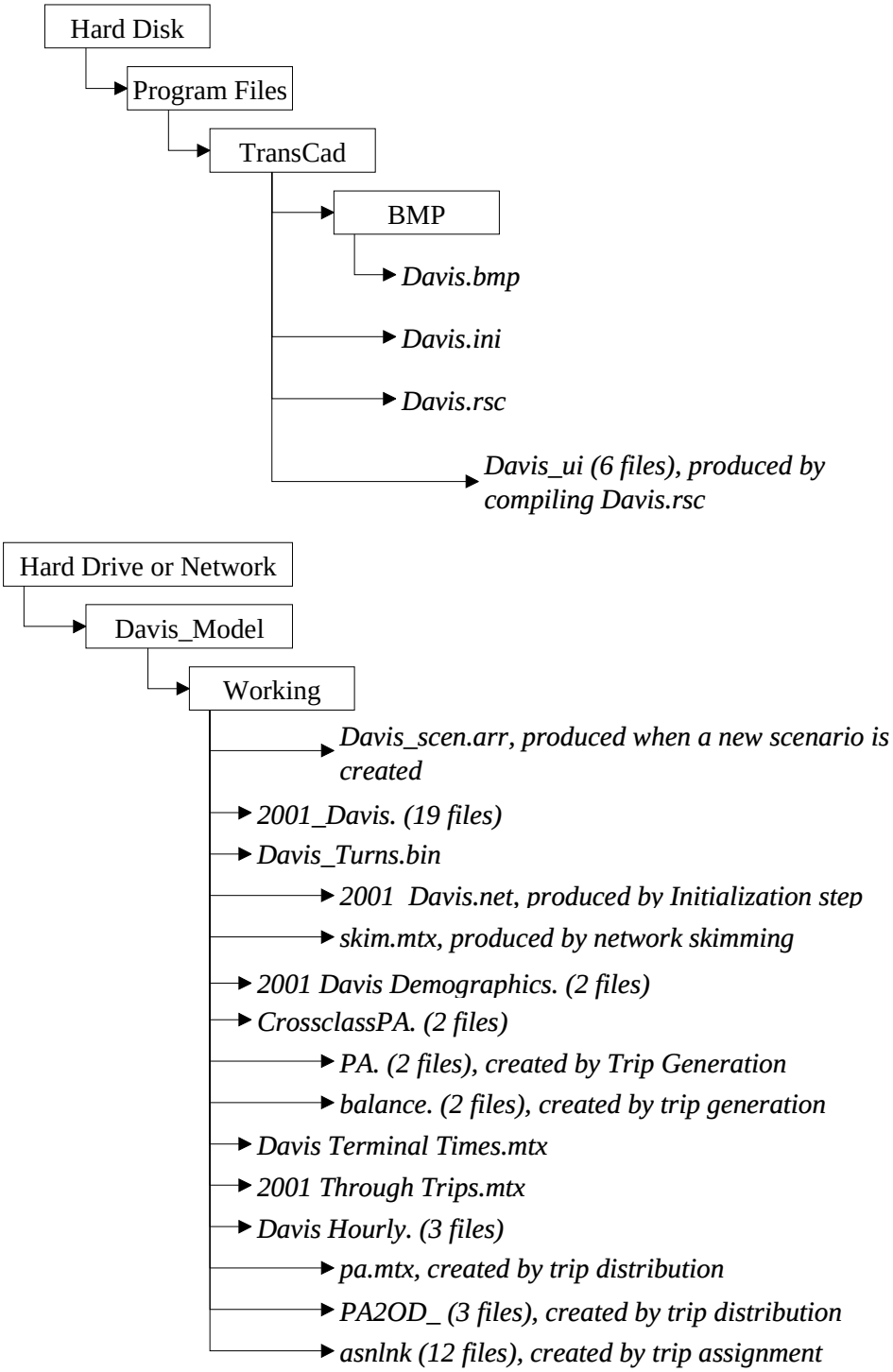
The off-peak trip matrix and assignment were not included in the scope of work for model development. They are somewhat experimental in nature due to the difficulty in defining a "typical" off-peak hour. Users should be cautious when making use of these outputs.

File and Directory Structure

The file structure of the model is shown in Figure 3. The model requires three files (see upper portion of Figure 3) to be stored in the TransCAD directory along with the TransCAD software.

The data files shown in the lower half of Figure 3 can be stored either on the user's hard drive or in a local area network. These files are a mix of inputs supplied by the user and outputs produced by the various steps of the model.

FIGURE 3: FILE STRUCTURE



3. INPUT DATA

As described in the previous chapter, the Davis travel demand model incorporates many types of input data. These are described below.

TAZ System

The 1998 model divided the city into traffic analysis zones (TAZs) which the model uses to connect land uses to the road network. This system was carried over to the new model, with the following improvements (see Figure 4):

- The boundaries of some TAZ were shifted to better reflect the way the neighborhoods connect to the road network. For example, TAZs 230 and 233 had been oriented east-west even though the neighborhood that they represented was split north-south by a greenway. The boundary between these TAZ was re-oriented north-south along the greenway, so that trips to and from these neighborhoods would be assigned to the correct roads.
- The main campus of UC Davis (north of I-80 and east of SR-113) is now represented by seventeen TAZs, with detailed land use data for each one.

The previous system of external zones was carried through to the previous model unchanged, because the city's connections to the regional road network have not changed since the 1998 model was developed.

To make this task easier for future users to add TAZs to the model, 49 "dummy" TAZs were included in the model. These are essentially placeholders that reserve TAZ numbers and ensure that all of the model's data files will be large enough to accommodate any need for additional analysis zones in the future. The dummy TAZs are stored in several clusters on the outskirts of the network, ready to be moved to wherever they are needed.

Land Use Data

The 1998 model included all of the land uses existing at that point in time. The City reviewed and updated this data to include developments that had occurred between 1998 and 2002.

The land use and trip generation rates used in future year scenarios are explained in Appendices C, D, and E.

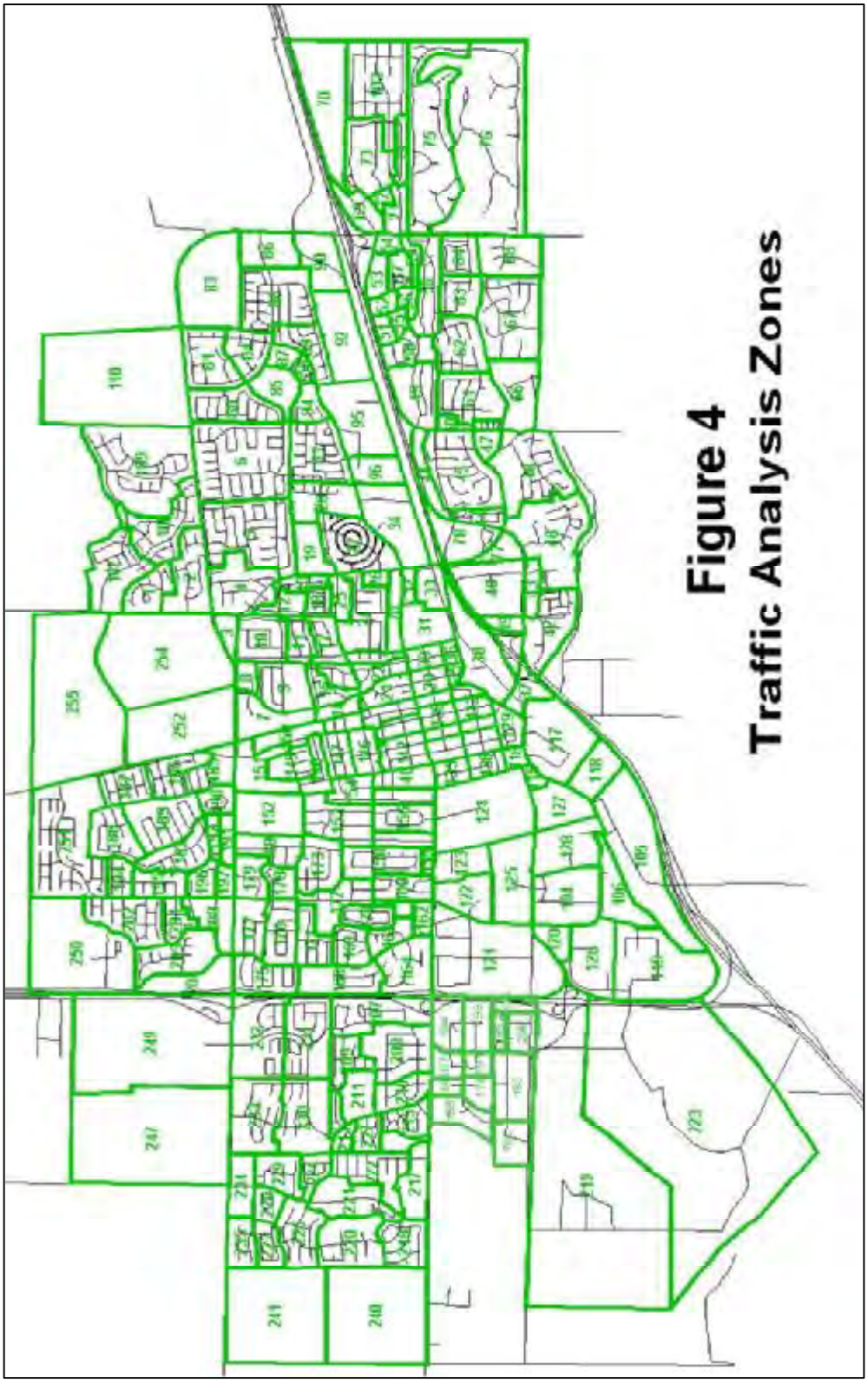


Figure 4
Traffic Analysis Zones

Trip Generation Rates

Trip generation rates relate the number of vehicle trips going to and from a site to some measure of the intensity of use at the site. Trip generation rates must be defined for each end of each trip. For example, by convention all trips with one end at a residence is defined as being "produced" by the residence and "attracted" to the other use (job, school, shop, etc.), and so a trip generation rate is needed for both land use types.

The usual source for vehicle trip generation rates is *Trip Generation*, by the Institute of Transportation Engineers (ITE), 6th Edition, 1997. The trip generation rates used in the Davis model were all based on this source except where modified as described below.

Home Based Trips: Given that primary land uses in Davis are single-family detached houses and apartments, and that Davis is generally viewed as being less car-oriented than most cities in the Sacramento region, it was important to develop locally valid trip generation rates for these two categories of land use rather than rely on the ITE trip generation rate. 24-hour traffic counts were therefore conducted at the access points to three neighborhoods of single family dwellings and two apartment complexes[2] (see Figure 5). By comparing the ITE rates to the traffic counts, it was found that the ITE rate underestimated vehicle trips from single-family dwellings by 34 percent and over-estimated vehicle trips from multi-family dwellings by 10% (See Table 1).

Table 1: Results of Trip Generation Surveys

Survey Location	DUs	Trips/Day	Trips/Day/DU
Single Family Dwellings			
Montgomery Ave.	134	1,703	
Catalina Drive	431	6,523	
Marina Circle	510	5,610	
Total	1,075	13,836	12.87
ITE Rate for SFD			9.57
Ratio Local/ITE			**1.34**
Multi-Family Dwellings			
Bidwell Street	252	1,372	
Cranbrook Apts	216	1,420	
Total	468	2,792	5.97
ITE Rate for MFD			6.63
Ratio Local/ITE			**0.90**

[2] A fourth neighborhood of single-family dwellings was also counted, but the results were rejected when it was discovered that some of the units were still under construction and generating large amounts of construction traffic. A third apartment complex was counted, but the results were rejected when it was found that the cobblestone surface of the driveway affected the reliability of the hose counts. The remaining count sites were mature communities with reliable hose counts and little if any cut-through traffic. Two of the communities were counted a second time to double-check the results.

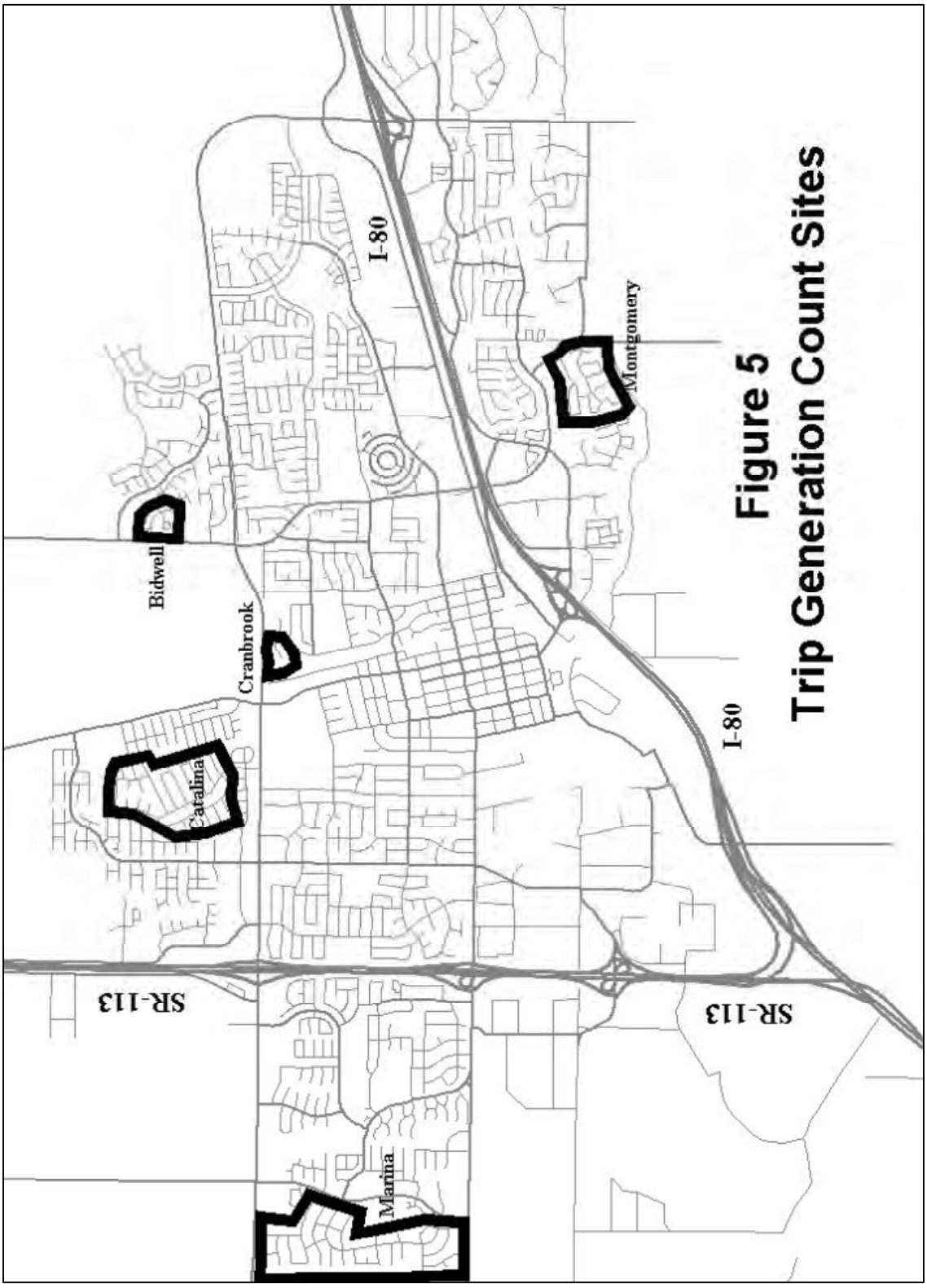


Figure 5
Trip Generation Count Sites

The result for single-family dwellings may surprise some Davis residents that view their city as being very bicycle and pedestrian-friendly, and so deserves some explanation. First, the rates in Davis may be lower than those of other cities in the state which form the basis for most residents' comparison. Nevertheless, car use is so prevalent in California compared to elsewhere in the country that the region as a whole tends to be much higher than the national average represented in the ITE rates. So Davis may be one of the least car-oriented cities in a very car-oriented region.

Also, the ITE rates are based on data that has accumulated since the 1960's. Trip generation rates seem to have risen over this period due to the increasing number of two-job households and income growth in general. It is quite possible that the inclusion of older data has made the ITE rate too low.

Finally, a distinction needs to be made between those bicycle and pedestrian trips with a clear purpose and destination (such as to buy milk at the supermarket) and those that are taken for recreation and exercise. The former could substitute for car trips and thus reduce the overall rate of traffic generation (which seems to be the case for multi-family dwellings) while the latter have no effect on the rate of trip-making by car trips but instead serve primarily to improve the quality of life of Davis residents. It appears likely that many of the bicycle and pedestrian trips that one sees in Davis are "quality of life" trips rather than transportation in the usual sense of the term.

Home Based Work (HBW) Trips: The production rate for home-based work trips was computed by taking the overall vehicle trip-generation rate for each housing type and multiplying it by the percent of work trips found in SACOG's 2000 household survey[3] (see Table 2). The HBW attraction rates were computed by taking the overall trip attraction rate for each land use type[4] and multiplying this by the percent work trips found in NCHRP 365[5].

School Trips: The production rate for home-based school trips was found by taking the overall vehicle trip-generation rate for each housing type and multiplying it by the percent of school trips found in SACOG's 2000 household survey. A reduction factor was applied to the school trips generated by multi-family dwellings to account for the fact that most apartments in Davis are rented by students without children. School trip attractions were computed by multiplying the number of K-8 and high school students by their respective ITE trip generation rates.

[3] *2000 Sacramento Area Household Travel Survey - Final Report*, SACOG, November 2000

[4] For several of the non-residential land uses (e.g. public/quasi-public, neighborhood commercial) no directly corresponding ITE category exists, and so a mixture of several rates was used.

[5] *National Cooperative Highway Research Program Report 365 – Travel Estimation Techniques for Urban Planning*, Transportation Research Board, 1998

UC Davis (UCD) Trips: The new model considers the trips associated with UC Davis in a separate category from other trips. It further disaggregates UC Davis as producing three kinds of trips, namely trips associated with UC Davis employees, those associated with students living on campus, and those associated with off-campus students. The first two groups were assumed to produce UCD trips, which are trips with one end at an off-campus residence and the other end on the UC Davis campus. On-campus students were assumed to make no UCD trips (vehicle trips to campus locations), but to instead generate home-based other trips (shopping, dining out, etc.).

The number of UC employees residing in Davis was computed by taking the total number of UC Davis employees and multiplying this by the percent that are Davis residents taken from the *UC Davis Long-Range Development Plan*[6]. The number of off-campus students in Davis was similarly found by taking the number of off-campus students and multiplying this by the percent resident found in the *UC Davis Long Range Development Plan*. Unfortunately, no information was available on how the resident employees and students are distributed within Davis. Therefore the simplifying assumption was made that the employees are spread evenly among the city's single-family dwellings and that the students are spread evenly among the city's multi-family dwellings. This enabled us to produce a trip generation rate for UCD trips for both housing types.

The trip attraction rate for UCD trips was taken from surveys done for the *UC Davis Long Range Development Plan*.

Home Based Other (HBO) Trips: Home-based work trips, school trips, and UCD trips were subtracted from the total trip generation rate for households, leaving as a residual the production rate of home-based other trips. The HBO attraction rates were computed by taking the overall trip attraction rate for each land use type and multiplying this by the percent HBO trips found in NCHRP 365.

Non-Home Based (NHB) Trips: For retail, industrial, and office land uses, HBW and HBO trips were subtracted from the overall trip generation rate, leaving NHB trips as the residual.

The trip generation rates described above produce results that correspond well to actual conditions, as will be discussed in the later section on model validation. Further details of the methodology can be found in Appendices C, D, and E.

[6] *Data Collection and Intersection Analysis for the University of California, Davis Long Range Development Plan*, Fehr & Peers Associates, Fall 2001.

Table 2: Daily Trip Vehicle Generation Rates Used in the Davis Model

Land Use Category	Unit	Code	Production Or Attraction	Home-Based Work	School	Home-Based Other	Non-Home Based[7]	UCD Trips	Research Park Trips	Total Daily Trips
Single-Family or Duplex										
West & Central Davis	DU	R1,R2	Production	2.532	0.629	8.531	0.000	1.127	0.000	12.819
North & East Davis				2.532	0.629	8.389	0.000	1.268	0.000	12.819
South Davis				2.532	0.629	8.274	0.000	1.384	0.000	12.819
Apartments										
West & Central Davis	DU	R3	Production	1.240	0.109	4.153	0.000	0.459	0.000	5.961
North & East Davis				1.240	0.109	4.374	0.000	0.238	0.000	5.961
South Davis				1.240	0.109	4.120	0.000	0.492	0.000	5.961
Mobile Homes	DU	R4	Production	1.240	0.109	4.154	0.000	0.000	0.000	5.502
Central Business District	1,000sq.ft.	CBD	Attraction	6.029	0.000	37.423	8.524	0.000	0.000	60.500
Neighborhood Commercial	1,000sq.ft.	NC	Attraction	16.643	0.000	103.299	23.529	0.000	0.000	167.000
Community Center Retail	1,000sq.ft.	CC	Attraction	16.643	0.000	103.299	23.529	0.000	0.000	167.000
Auto Sales	1.000sq.ft.	AS	Attraction	3.737	0.000	23.196	5.284	0.000	0.000	37.500
Light Industrial	Acre	M1	Attraction	30.657	0.000	10.571	5.286	0.000	0.000	51.800
Heavy Industrial	Acre	M2	Attraction	3.995	0.000	1.378	0.689	0.000	0.000	6.750
Business Park, R&D	Acre	BP	Attraction	88.657	0.000	30.571	15.286	0.000	0.000	149.800
Office	1,000sq.ft.	OF	Attraction	10.357	0.000	3.571	1.786	0.000	0.000	17.500
Parks	Acre	PR	Attraction	0.000	0.000	4.570	0.000	0.000	0.000	4.570
Elementary School	Student	Elem	Attraction	0.000	1.020	0.000	0.000	0.000	0.000	1.020
High School	Student	High	Attraction	0.000	1.790	0.000	0.000	0.000	0.000	1.790

[7] Non-home based trip generation rates applied twice, once for productions and once for attractions for the same non-residential land use.

Table 2: Daily Vehicle Trip Generation Rates Used in the Davis Model (continued)

Land Use Category	Unit	Code	Production Or Attraction	Home-Based Work	School	Home-Based Other	Non-Home Based[8]	UCD Trips	Research Park Trips	Total Daily Trips
UC Davis Employees	position	UCDE	Attraction	0.000	0.000	0.000	0.000	4.490	0.000	4.490
UCD Off-Campus Students	student	UCDOS	Attraction	0.000	0.000	0.000	0.000	0.509	0.000	0.509
UC Davis Resident Students	student	UCDRS	Production	0.000	0.000	2.383	0.000	0.000	0.000	2.383
Public/Quasi-Public	1,000sq.ft.	PQP	Attraction	3.015	0.000	18.711	4.262	0.000	0.000	30.250
UCD Faculty/Staff Housing	DU	UCDFS	Production	0.979	0.509	4.302	0.000	4.000	0.000	9.790
UCD External Trips	Trip	UCDX	Production	0.000	0.000	0.000	0.000	1.000	0.000	1.000
Research Park Attraction	Trip	UCDRPA	Attraction	0.000	0.000	0.000	0.000	1.000	0.000	1.000
Research Park Production	Trip	UCDRPP	Production	0.000	0.000	0.000	0.000	1.000	0.000	1.000
Spare 1[9]		Spare 1		0.000	0.000	0.000	0.000	0.000	0.000	0.000
Spare 2		Spare 2		0.000	0.000	0.000	0.000	0.000	0.000	0.000

[8] Non-home based trip generation rates apply for both productions and attractions to the same land use.
[9] Two spare trip purposes are incorporated into the model to facilitate its use in later studies.

2002 Roadway Network

The City's GIS street centerline file was the starting point for the model's roadway network. This included all of the existing roads in the city. The information from the centerline file was stored for each link in the roadway network. In addition to roadway characteristics, the model requires information on roadway capacities and speeds. The roadway classification system was taken from the General Plan. For each classification, the roadway capacity was based on the regional SACMET travel demand model and other local models, while the free-flow speeds were set at the posted speed limit[10]. Table 3 shows the standard speeds and capacities used for each road class in the model.

Table 3: Roadway Speeds and Capacities

Roadway Classification	Speed (mph)	Hourly Capacity (PC/Hr/Lane)
Freeway	65	1,800
Freeway Ramp	40	1,500
Arterial	40	800
Collector	30	600
Local Street	25	400
Centroid Connector[11]	25	10,000

The speed and capacity characteristics were modified for some links during calibration in order to better fit the conditions in individual sites.

Turn Penalties

Drivers encounter delays when making certain movements at congested intersections. These delays are incorporated into the model in the form of turn penalties. In the Davis model, turn penalties or prohibitions were used in sixty-one places (see Figure 6) where traffic signals exist or where turn prohibitions apply. The model includes standard turn penalties at signalized intersections as shown in Table 4.

Table 4: Initial Turn Penalties at Signalized Intersections (in minutes)

Movement	Intersection of Major & Minor Roads		Intersection of Roads of Equal Size
	Major Rd.	Minor Rd.	
Right Turn	0.0	0.1	0.0
Through	0.1	0.5	0.3
Left Turn	0.3	0.7	0.5

[10] In some case this speed was changed during model calibration.
[11] Centroid connectors are abstract representations of the starting and ending points of each trip.

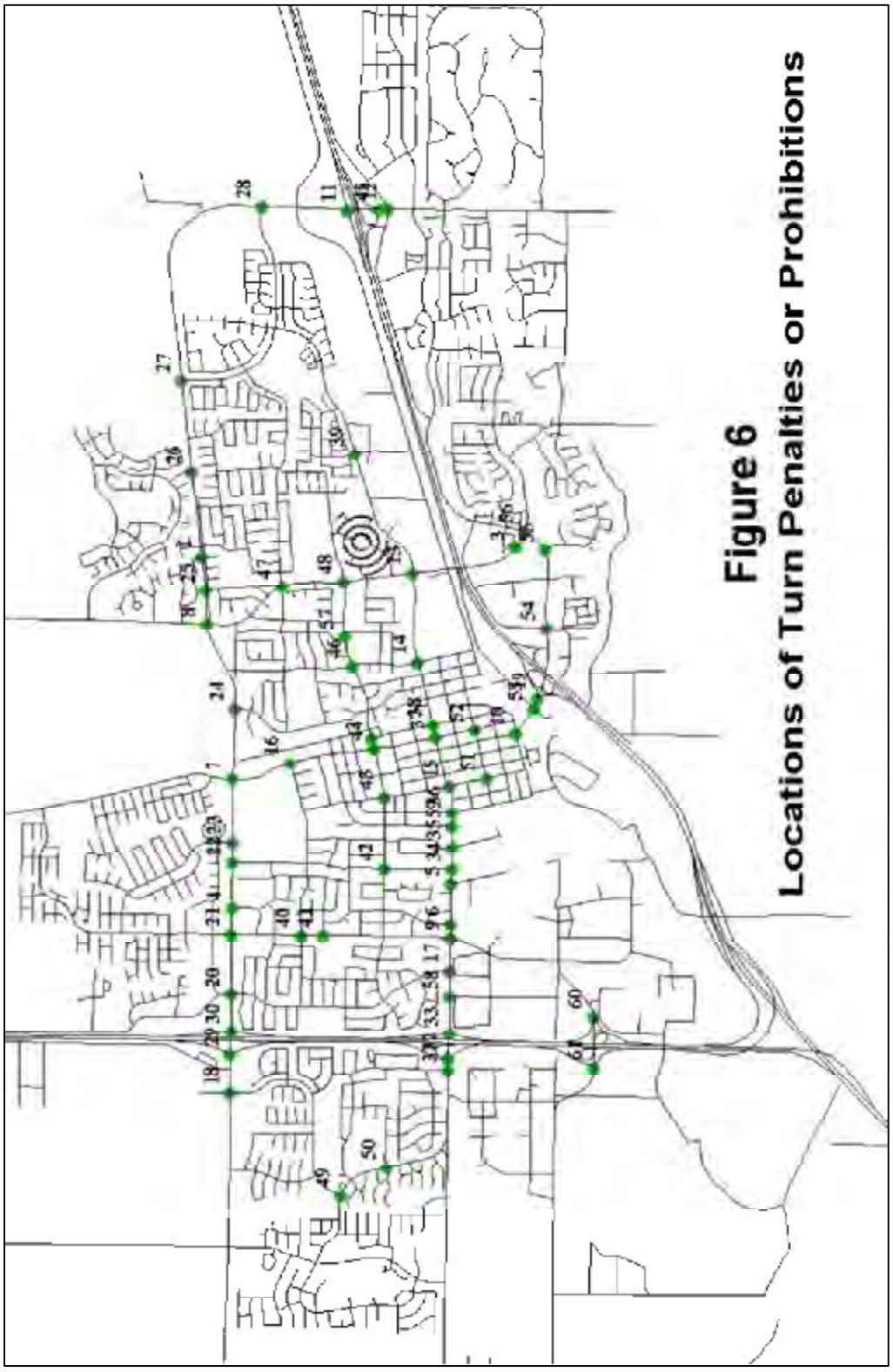


Figure 6
Locations of Turn Penalties or Prohibitions

During calibration some locations, such as the Richards Boulevard/First Street intersection, were given higher turn penalties to reflect the additional delays actually experienced in the field.

Terminal Times

The model requires an estimate of terminal times, which is the amount of time at the origin used in traveling from the starting place to the point where the vehicle enters the road network and the amount of time at the destination finding a parking place and traveling from there to the actual endpoint of the trip. For Davis, the terminal times shown in Table 5 were used.

Table 5: Terminal Times

Area	Destination Terminal Time (minutes)	Origin Terminal Time (minutes)
North Davis	1	1
South Davis	1	1
East Davis	1	1
West Davis	1	1
Central Davis	1	1
CBD	3	1
UC Davis	5	3
External Zones	0	0

Friction Factors

Friction factors, also know as travel time factors, are used in the trip distribution stage of the model to compare the relative attractiveness of destinations that differ in terms of travel time from the trip origin. Friction factors developed by MTC and Caltrans, and tested in the City of Dixon model, were used in the Davis model.

Trips Between Davis and External Areas

Journey-to-work information from the 1990 census[12] was used to estimate the percent of work trips to Davis from places outside the city. These were then assigned to the appropriate external TAZs. A similar exercise was done for work trips leaving Davis residences for other localities. The results are summarized below:

[12] Journey to work data from the 200o census was not available at the time of this report.

Table 6: Work Trips to and from Davis from 1990 Census

Road/Direction	Expressed as Trips		Expressed as %	
	To Davis	From Davis	To Davis	From Davis
External				
SR113 to/from North	1,936	1,501	14.7%	10.1%
I80 to/from East	3,373	5,572	25.6%	37.3%
I80 to/from West	1,319	1,463	10.0%	9.8%
Russell to/from West	278	131	2.1%	0.9%
Total External	6,906	8,667	52.4%	58.0%
Internal	6,269	6,269	47.6%	42.0%
Total Work Trips	13,175	14,936	100.0%	100.0%

As indicated in the tables above, approximately 58% of the employed people living in Davis work outside the city, while 52% of the jobs in Davis are filled by people living elsewhere.

The census covers only work trips, so another source of information was needed to estimate the percentage of HBO and NHB trips going outside the city. Information from the 2000 SACOG household survey was used to estimate the percent of HBO and NHB between Davis and other cities. The 2002 UC Davis Travel Survey was used to estimate the percentage of UCD trips with one endpoint outside the model area.

Through Trips

The major flows of through traffic in the study area use I-80 and SR-113. The size of these flows was estimated based on Caltrans traffic counts.

4.0 MODEL VALIDATION

Model validation is the term used to describe the model's performance in terms of how closely the model's output matches existing travel data for the study area in the base year. Caltrans has established certain guidelines for models to be deemed acceptable for forecasting future year traffic. This section describes the model performance in comparison to the standards discussed in ***Travel Forecasting Guidelines*** (California Department of Transportation, November, 1992).

Trip Generation

One of the basic assumptions of any traffic model is that the total number of local trips (internal-to-internal, or I-I) produced is equal to the total number of local trips attracted. If the totals are not equal, the model will automatically adjust the attractions to match the productions. For this reason, the trip generation component of the model should generate similar totals of trips produced to trips attracted.

Table 7 summarizes the I-I productions and attractions of the Davis traffic model for each trip purpose. The results indicate a close correlation between computed productions and attractions.

Table 7: Internal-Internal Daily Trip Generation Summary

Trip Purpose	Computed Productions (Trips/Day)	Computed Attractions (Trips/Day)	Ratio
Home-based Work	32,319	32,338	0.96
Home-based School	10,170	10,969	0.93
Home-based Other	162,682	153,330	1.06
Non-home Based	38,521	38,521	1.00
UCD Trips	21,696	28,219	0.77
Total	264,001	263,376	1.00

Trip Assignment

The most critical measurement of the accuracy of any traffic model is the degree to which it can approximate actual traffic counts in the base year. The validity of the Davis traffic model was tested for daily, a.m. peak hour, and p.m. peak hour conditions. Model volumes were compared to existing traffic counts for the thirty-eight count sites and the eight screenlines shown in Figure 7. The remainder of this section contains a summary of the validation results while Appendix G contains a detailed summary report of all validation comparisons.

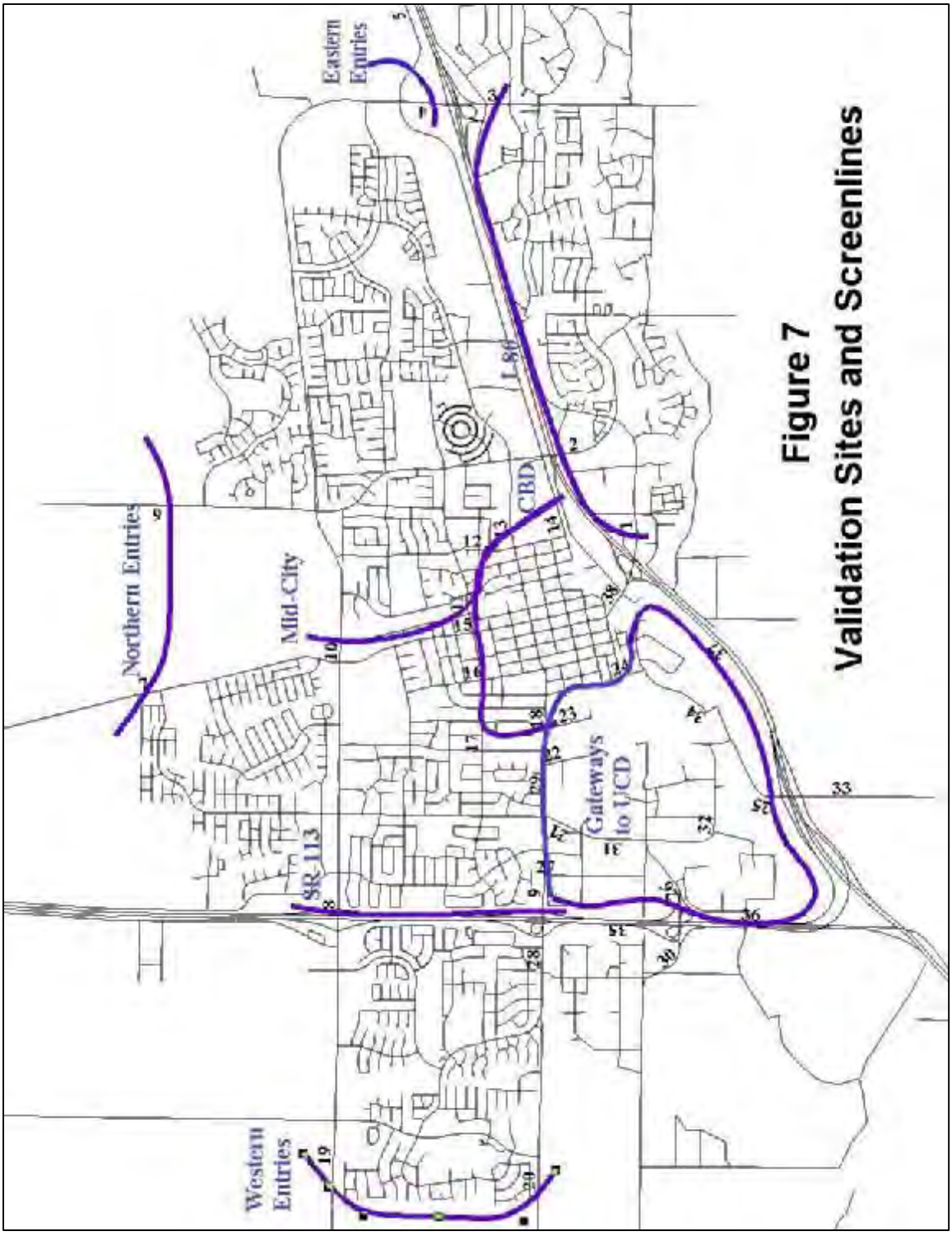


Figure 7
Validation Sites and Screenlines

Comparison Techniques

Traffic model accuracy is usually tested using two comparison techniques:

- The volume-to-count ratio is computed by dividing the traffic volume forecast from the model by the actual traffic volume counted on various road segments. The deviation is the difference between the model volume and the actual count divided by the actual count.
- The percent root mean squared error (RMSE) is the square root of the model volume minus the actual count squared, divided by the number of counts. It is a measure similar to standard deviation in that it assesses the accuracy of the entire model.

Validation Guidelines

For a model to be considered accurate and appropriate for use in traffic forecasting, it must replicate actual conditions to within a certain level of accuracy. Since it would be impossible for any model to precisely replicate all counts, validation guidelines have been established in ***Travel Forecasting Guidelines*** (California Department of Transportation, November, 1992). Key validation standards based on the Caltrans guidelines for the Davis traffic model are summarized below:

- A minimum of 75 percent of the roadway links should be within the maximum desirable deviation, which ranges from approximately 15 to 60 percent depending on total volume (the larger the volume, the less deviation is permitted); and
- The two-way sum of the volumes on all roadway links in which counts are available should be within 10 percent of the counts.

Although not stated in the Caltrans standards, another validation standard was applied to the Davis traffic model:

- The maximum acceptable root mean squared error should not exceed 40 percent.

A summary of the validation results is provided below.

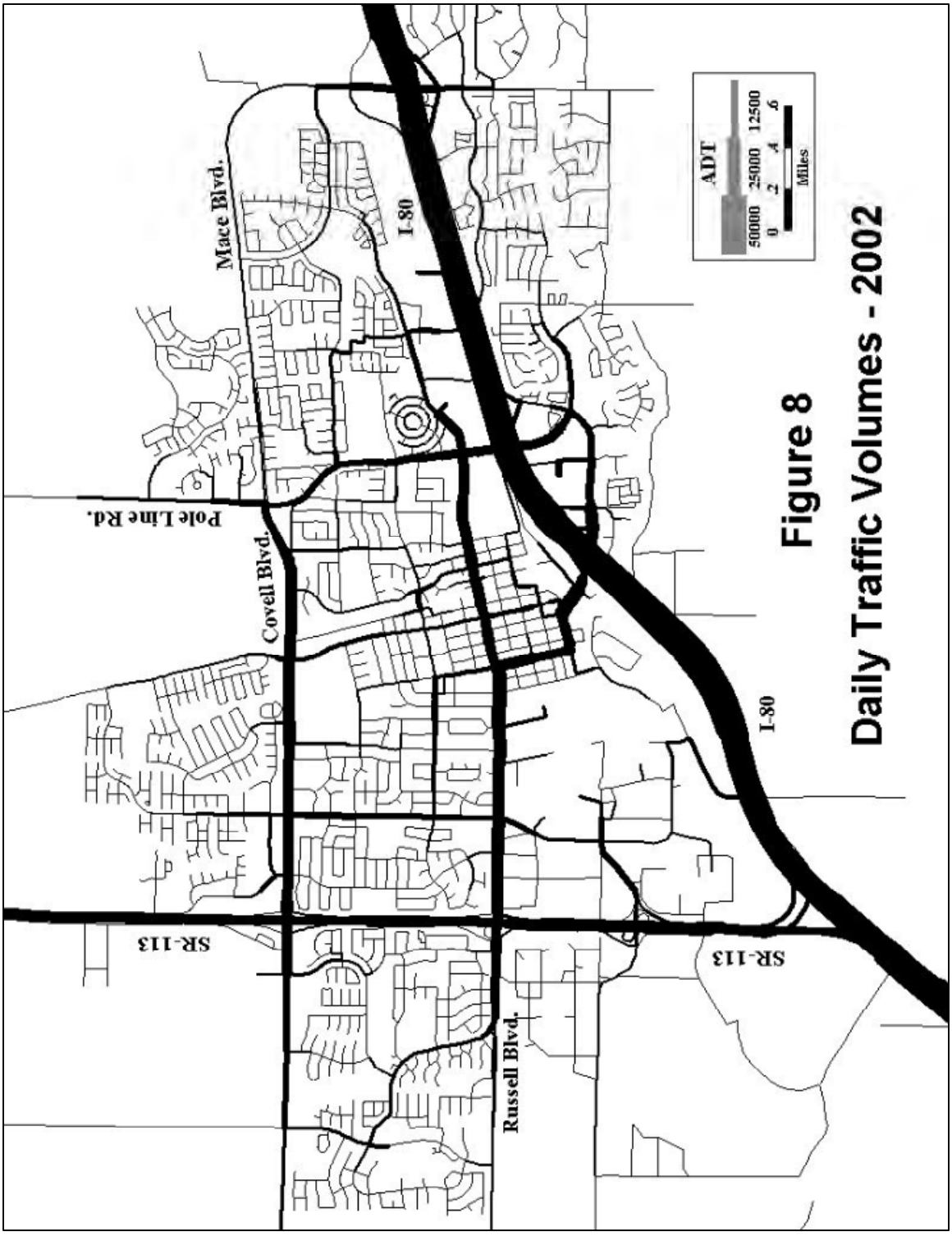
Validation Results

A spreadsheet was created to compute the validation results for roadway links in the Davis traffic model. The results for daily, a.m. peak hour, and p.m. peak hour conditions are summarized in Table 8 below, while the detailed spreadsheets are presented in Appendix G.

Table 8: Results of Model Validation

Period Validation Item	Criterion for Acceptance	Model Results
Daily		
% of Links Within Caltrans Deviation Standard	At Least 75%	89%
% of Screenlines Within Caltrans Deviation Standard	At Least 75%	94%
2-Way sum of All Links Counted	Within 10% of actual	+5%
RMSE	Below 40%	20%
AM Peak		
% of Links Within Caltrans Deviation Standard	At Least 75%	79%
% of Screenlines Within Caltrans Deviation Standard	At Least 75%	81%
2-Way sum of All Links Counted	Within 10% of actual	+5%
RMSE	Below 40%	30%
PM Peak		
% of Links Within Caltrans Deviation Standard	At Least 75%	89%
% of Screenlines Within Caltrans Deviation Standard	At Least 75%	100%
2-Way sum of All Links Counted	Within 10% of actual	-2%
RMSE	Below 40%	23%

As shown in Table 8, the model exceeds all Caltrans guidelines for model accuracy. The forecast traffic volumes replicate 2002 travel patterns quite well, as can be seen in Figure 8. This is a result of the high quality of the inputs, including a complete data base of 2002 land use, travel characteristics data from the 2000 SACOG household survey, locally-validated trip generation rates, and special surveys for the UC Davis campus.


Daily Traffic Volumes - 2002
Figure 8
ADT
50000 25000 12500
0 2 4 6
Miles
Mace Blvd.
I-80
Pole Line Rd.
Covell Blvd.
I-80
SR-113
SR-113
Russell Blvd.

5.0 FORECASTS OF TRAFFIC CONDITIONS

One of the main purposes of the model is to provide an indication of what traffic conditions will be like in the future for different set of land use assumptions. This chapter reports the forecasts for three future scenarios.

Traffic by Scenario

Table 9 shows a comparison of traffic across the eight screenlines for different scenarios. As can be seen from the table, traffic in Davis is expected to increase significantly by 2015. Table 10 shows some of the sources of this traffic growth. Population increase appears to account for perhaps one third to one half of the forecast traffic growth. Most of the growth appears to come from growth in non-residential land uses, especially retail and office space.

The growth in traffic to UC Davis is forecast to be higher than the growth in the number of students, especially for the with-project scenario. This is because a greater proportion of students will live on-campus and will generate HBO trips.

Table 9: Comparison of Screenline Traffic Volumes for Different Scenarios

Screenline	Direction	2002 Count	2010 Forecast	Forecast /Existing	2015 No Project Forecast	Forecast /Existing	2015 With Project Forecast	Forecast /Existing
I-80 Screenline	Northbound	26,378	40,737	1.54	41,058	1.56	43,850	1.66
	Southbound	26,895	35,659	1.33	36,040	1.34	38,767	1.44
Eastern Entries to Davis	Inbound	11,116	14,114	1.27	14,642	1.32	16,410	1.48
	Outbound	10,669	14,035	1.32	14,509	1.36	15,151	1.42
Northern Entries to Davis	Inbound	3,954	5,957	1.51	5,950	1.50	6,095	1.54
	Outbound	4,036	5,597	1.48	5,950	1.47	6,095	1.51
SR-1113 Screenline	Eastbound	22,355	33,672	1.51	31,395	1.40	36,125	1.62
	Westbound	23,278	32,288	1.39	31,331	1.35	36,050	1.55
Mid-City E-W Screenline	Eastbound	27,092	44,053	1.63	43,118	1.59	46,465	1.72
	Westbound	26,526	45,220	1.70	45,799	1.73	48,608	1.83
CBD Screenline	Inbound	23,034	30,214	1.31	28,882	1.25	30,913	1.34
	Outbound	22,885	27,918	1.22	29,025	1.27	32,517	1.42
Western Entries to Davis	Inbound	4,654	7,396	1.59	7,474	1.61	8,119	1.74
	Outbound	4,294	7,607	1.77	7,602	1.77	8,114	1.89
Gateways to UCD	Inbound	29,696	37,201	1.25	35,426	1.19	42,046	1.42
	Outbound	30,481	36,903	1.21	35,393	1.16	41,966	1.38

Table 10: Sources of Traffic Growth

Land Use Type	Existing in 2002	2010 Forecast	Forecast /Existing	2015 No Project Forecast	Forecast /Existing	2015 with Project Forecast	Forecast /Existing
Number of Dwelling Units[13]	24,457	29,095	1.19	29,632	1.21	30,212	1.24
Retail Area (KSF)	1,975	3,283	1.66	3,246	1.64	3,304	1.67
Industrial & BP (acres)	335	338	1.01	338	1.01	338	1.01
Office (KSF)	1,580	2,411	1.52	2,411	1.52	2,411	1.52
UC Davis Students	26,153	29,310	1.12	28,133	1.08	31,283	1.20

[13] Includes UC Davis on-campus housing for faculty and staff