

Appendix A

Revised Air Quality Calculations

Appendix A

Revised Air Quality Calculations

Prepared for:



City of Montclair

Community Development Department, Planning Division
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MAY 2022

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	217.47	1000sqft	4.99	217,469.00	0
Unrefrigerated Warehouse-No Rail	296.80	1000sqft	6.81	296,800.00	0
Other Asphalt Surfaces	1.55	Acre	1.55	67,518.00	0
Parking Lot	627.00	1000sqft	14.39	626,995.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - Based on the 2019 SCE Sustainability Report.

Land Use - Based on applicant provided information.

Construction Phase - Based on applicant provided information.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Grading - Cut 139,305 cy

Fill 103,261 cy

export 36,042 cy

Demolition - Based on demolition plan for the project. Assumes 36,410 SF of building demo, 965,465 SF of asphalt, 76,330 SF of concrete, and 84,673 SF of landscaping removed.

Trips and VMT - CalEEMod defaults. Odd trips rounded up to account for whole round trips.

On-road Fugitive Dust - CalEEMod defaults.

Architectural Coating - In accordance with SCAQMD Rule 1113.

Vehicle Trips - Calculated outside of CalEEMod.

Consumer Products - CalEEMod defaults.

Area Coating - In accordance with SCAQMD Rule 1113.

Landscape Equipment - CalEEMod defaults.

Energy Use - In accordance with 2019 Title 24 standards.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Operational Off-Road Equipment - Based on offroad equipment for warehouse projects.

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	35.00	68.00

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tblConstructionPhase	PhaseEndDate	1/26/2024	3/13/2024
tblEnergyUse	LightingElect	3.66	3.44
tblEnergyUse	T24E	3.07	2.74
tblEnergyUse	T24E	0.37	0.33
tblEnergyUse	T24NG	2.00	1.98
tblGrading	MaterialExported	0.00	36,042.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	5.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperHorsePower	124.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	16.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripNumber	2,255.00	2,256.00
tblTripsAndVMT	HaulingTripNumber	4,505.00	4,506.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	ST_TR	2.49	0.00

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tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1518	1.9371	1.0020	3.2100e-003	0.5904	0.0680	0.6583	0.1834	0.0628	0.2462	0.0000	297.3901	297.3901	0.0558	0.0000	298.7858
2022	0.5826	5.3469	4.9958	0.0174	0.9757	0.1403	1.1160	0.2785	0.1312	0.4097	0.0000	1,599.0473	1,599.0473	0.1604	0.0000	1,603.0562
2023	0.9946	3.2776	4.0114	0.0136	0.7284	0.0888	0.8172	0.1965	0.0834	0.2798	0.0000	1,253.0640	1,253.0640	0.1077	0.0000	1,255.7559
2024	1.9475	0.0458	0.1249	3.6000e-004	0.0303	1.8300e-003	0.0322	8.0700e-003	1.8100e-003	9.8800e-003	0.0000	32.4327	32.4327	1.0300e-003	0.0000	32.4585
Maximum	1.9475	5.3469	4.9958	0.0174	0.9757	0.1403	1.1160	0.2785	0.1312	0.4097	0.0000	1,599.0473	1,599.0473	0.1604	0.0000	1,603.0562

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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					
2021	0.1518	1.9371	1.0020	3.2100e-003	0.2980	0.0680	0.3660	0.0911	0.0628	0.1539	0.0000	297.3899	297.3899	0.0558	0.0000	298.7857
2022	0.5826	5.3469	4.9957	0.0174	0.8921	0.1403	1.0324	0.2475	0.1312	0.3786	0.0000	1,599.0468	1,599.0468	0.1604	0.0000	1,603.0557
2023	0.9946	3.2776	4.0114	0.0136	0.7284	0.0888	0.8172	0.1965	0.0834	0.2798	0.0000	1,253.0637	1,253.0637	0.1077	0.0000	1,255.7556
2024	1.9475	0.0458	0.1249	3.6000e-004	0.0303	1.8300e-003	0.0322	8.0700e-003	1.8100e-003	9.8800e-003	0.0000	32.4327	32.4327	1.0300e-003	0.0000	32.4585
Maximum	1.9475	5.3469	4.9957	0.0174	0.8921	0.1403	1.0324	0.2475	0.1312	0.3786	0.0000	1,599.0468	1,599.0468	0.1604	0.0000	1,603.0557

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	16.17	0.00	14.33	18.51	0.00	13.04	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-4-2021	1-3-2022	2.1405	2.1405
2	1-4-2022	4-3-2022	2.0064	2.0064
3	4-4-2022	7-3-2022	1.2685	1.2685
4	7-4-2022	10-3-2022	1.2828	1.2828
5	10-4-2022	1-3-2023	1.2846	1.2846
6	1-4-2023	4-3-2023	1.0653	1.0653
7	4-4-2023	7-3-2023	1.0700	1.0700
8	7-4-2023	10-3-2023	1.0820	1.0820

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9	10-4-2023	1-3-2024	1.1252	1.1252
10	1-4-2024	4-3-2024	1.8812	1.8812
		Highest	2.1405	2.1405

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	2.1526	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0284	0.0284	7.0000e-005	0.0000	0.0302
Energy	7.2900e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003	0.0000	764.4005	764.4005	1.3800e-003	1.3200e-003	764.8290
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Offroad	0.3468	4.3328	7.0054	0.0115		0.1340	0.1340		0.1233	0.1233	0.0000	1,005.0087	1,005.0087	0.3250	0.0000	1,013.1347
Waste						0.0000	0.0000		0.0000	0.0000	111.3710	0.0000	111.3710	6.5818	0.0000	275.9169
Water						0.0000	0.0000		0.0000	0.0000	37.7294	375.0803	412.8097	3.8752	0.0915	536.9563
Total	2.5067	4.3992	7.0756	0.0119	0.0000	0.1391	0.1391	0.0000	0.1284	0.1284	149.1004	2,144.5179	2,293.6183	10.7835	0.0928	2,590.8672

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.1526	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0284	0.0284	7.0000e-005	0.0000	0.0302
Energy	7.2900e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003	0.0000	764.4005	764.4005	1.3800e-003	1.3200e-003	764.8290
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Offroad	0.3468	4.3328	7.0054	0.0115		0.1340	0.1340		0.1233	0.1233	0.0000	1,005.0087	1,005.0087	0.3250	0.0000	1,013.1347
Waste						0.0000	0.0000		0.0000	0.0000	111.3710	0.0000	111.3710	6.5818	0.0000	275.9169
Water						0.0000	0.0000		0.0000	0.0000	37.7294	375.0803	412.8097	3.8752	0.0915	536.9563
Total	2.5067	4.3992	7.0756	0.0119	0.0000	0.1391	0.1391	0.0000	0.1284	0.1284	149.1004	2,144.5179	2,293.6183	10.7835	0.0928	2,590.8672

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/4/2021	11/12/2021	5	30	
2	Site Preparation	Site Preparation	11/13/2021	12/10/2021	5	20	
3	Grading	Grading	12/11/2021	2/11/2022	5	45	
4	Building Construction	Building Construction	2/12/2022	10/20/2023	5	440	
5	Paving	Paving	10/21/2023	12/8/2023	5	35	
6	Architectural Coating	Architectural Coating	12/9/2023	3/13/2024	5	68	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 15.94

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 771,404; Non-Residential Outdoor: 257,135; Striped Parking Area: 41,671 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	5	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	102.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	508.00	198.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	16.00	4.00	2,256.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	4.00	4,506.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2440	0.0000	0.2440	0.0370	0.0000	0.0370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0475	0.4716	0.3235	5.8000e-004		0.0233	0.0233		0.0216	0.0216	0.0000	51.0012	51.0012	0.0144	0.0000	51.3601
Total	0.0475	0.4716	0.3235	5.8000e-004	0.2440	0.0233	0.2673	0.0370	0.0216	0.0586	0.0000	51.0012	51.0012	0.0144	0.0000	51.3601

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3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.2800e-003	0.2940	0.0624	8.6000e-004	0.0194	8.9000e-004	0.0203	5.3200e-003	8.5000e-004	6.1800e-003	0.0000	84.2277	84.2277	5.7700e-003	0.0000	84.3719
Vendor	1.7000e-004	5.8100e-003	1.4400e-003	2.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4649	1.4649	9.0000e-005	0.0000	1.4672
Worker	1.0000e-003	7.4000e-004	8.3600e-003	3.0000e-005	2.6300e-003	2.0000e-005	2.6500e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	2.2936	2.2936	6.0000e-005	0.0000	2.2951
Total	9.4500e-003	0.3005	0.0722	9.1000e-004	0.0224	9.2000e-004	0.0233	6.1300e-003	8.8000e-004	7.0200e-003	0.0000	87.9861	87.9861	5.9200e-003	0.0000	88.1342

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1098	0.0000	0.1098	0.0166	0.0000	0.0166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0475	0.4716	0.3235	5.8000e-004		0.0233	0.0233		0.0216	0.0216	0.0000	51.0011	51.0011	0.0144	0.0000	51.3600
Total	0.0475	0.4716	0.3235	5.8000e-004	0.1098	0.0233	0.1331	0.0166	0.0216	0.0383	0.0000	51.0011	51.0011	0.0144	0.0000	51.3600

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3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.2800e-003	0.2940	0.0624	8.6000e-004	0.0194	8.9000e-004	0.0203	5.3200e-003	8.5000e-004	6.1800e-003	0.0000	84.2277	84.2277	5.7700e-003	0.0000	84.3719
Vendor	1.7000e-004	5.8100e-003	1.4400e-003	2.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4649	1.4649	9.0000e-005	0.0000	1.4672
Worker	1.0000e-003	7.4000e-004	8.3600e-003	3.0000e-005	2.6300e-003	2.0000e-005	2.6500e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	2.2936	2.2936	6.0000e-005	0.0000	2.2951
Total	9.4500e-003	0.3005	0.0722	9.1000e-004	0.0224	9.2000e-004	0.0233	6.1300e-003	8.8000e-004	7.0200e-003	0.0000	87.9861	87.9861	5.9200e-003	0.0000	88.1342

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061
Total	0.0389	0.4050	0.2115	3.8000e-004	0.1807	0.0204	0.2011	0.0993	0.0188	0.1181	0.0000	33.4357	33.4357	0.0108	0.0000	33.7061

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3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.8700e-003	9.6000e-004	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.9766	0.9766	6.0000e-005	0.0000	0.9781
Worker	7.5000e-004	5.5000e-004	6.2700e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7202	1.7202	5.0000e-005	0.0000	1.7213
Total	8.6000e-004	4.4200e-003	7.2300e-003	3.0000e-005	2.2200e-003	2.0000e-005	2.2500e-003	5.9000e-004	2.0000e-005	6.2000e-004	0.0000	2.6968	2.6968	1.1000e-004	0.0000	2.6995

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0813	0.0000	0.0813	0.0447	0.0000	0.0447	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.4050	0.2115	3.8000e-004		0.0204	0.0204		0.0188	0.0188	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060
Total	0.0389	0.4050	0.2115	3.8000e-004	0.0813	0.0204	0.1017	0.0447	0.0188	0.0635	0.0000	33.4357	33.4357	0.0108	0.0000	33.7060

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3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.8700e-003	9.6000e-004	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.9766	0.9766	6.0000e-005	0.0000	0.9781
Worker	7.5000e-004	5.5000e-004	6.2700e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7202	1.7202	5.0000e-005	0.0000	1.7213
Total	8.6000e-004	4.4200e-003	7.2300e-003	3.0000e-005	2.2200e-003	2.0000e-005	2.2500e-003	5.9000e-004	2.0000e-005	6.2000e-004	0.0000	2.6968	2.6968	1.1000e-004	0.0000	2.6995

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1069	0.0000	0.1069	0.0316	0.0000	0.0316	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0489	0.5565	0.3401	7.3000e-004		0.0227	0.0227		0.0209	0.0209	0.0000	64.0272	64.0272	0.0207	0.0000	64.5449
Total	0.0489	0.5565	0.3401	7.3000e-004	0.1069	0.0227	0.1296	0.0316	0.0209	0.0525	0.0000	64.0272	64.0272	0.0207	0.0000	64.5449

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3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.5200e-003	0.1957	0.0415	5.7000e-004	0.0324	5.9000e-004	0.0329	8.3200e-003	5.7000e-004	8.8800e-003	0.0000	56.0771	56.0771	3.8400e-003	0.0000	56.1731
Vendor	9.0000e-005	2.9000e-003	7.2000e-004	1.0000e-005	1.9000e-004	1.0000e-005	1.9000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7324	0.7324	5.0000e-005	0.0000	0.7336
Worker	6.3000e-004	4.6000e-004	5.2300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4335	1.4335	4.0000e-005	0.0000	1.4345
Total	6.2400e-003	0.1991	0.0475	6.0000e-004	0.0342	6.1000e-004	0.0348	8.8100e-003	5.9000e-004	9.3900e-003	0.0000	58.2430	58.2430	3.9300e-003	0.0000	58.3412

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0481	0.0000	0.0481	0.0142	0.0000	0.0142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0489	0.5565	0.3401	7.3000e-004		0.0227	0.0227		0.0209	0.0209	0.0000	64.0272	64.0272	0.0207	0.0000	64.5449
Total	0.0489	0.5565	0.3401	7.3000e-004	0.0481	0.0227	0.0708	0.0142	0.0209	0.0351	0.0000	64.0272	64.0272	0.0207	0.0000	64.5449

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3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.5200e-003	0.1957	0.0415	5.7000e-004	0.0324	5.9000e-004	0.0329	8.3200e-003	5.7000e-004	8.8800e-003	0.0000	56.0771	56.0771	3.8400e-003	0.0000	56.1731
Vendor	9.0000e-005	2.9000e-003	7.2000e-004	1.0000e-005	1.9000e-004	1.0000e-005	1.9000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7324	0.7324	5.0000e-005	0.0000	0.7336
Worker	6.3000e-004	4.6000e-004	5.2300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4335	1.4335	4.0000e-005	0.0000	1.4345
Total	6.2400e-003	0.1991	0.0475	6.0000e-004	0.0342	6.1000e-004	0.0348	8.8100e-003	5.9000e-004	9.3900e-003	0.0000	58.2430	58.2430	3.9300e-003	0.0000	58.3412

3.4 Grading - 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					
Fugitive Dust					0.1520	0.0000	0.1520	0.0564	0.0000	0.0564	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0852	0.9318	0.6249	1.4600e-003		0.0377	0.0377		0.0346	0.0346	0.0000	128.2160	128.2160	0.0415	0.0000	129.2527
Total	0.0852	0.9318	0.6249	1.4600e-003	0.1520	0.0377	0.1897	0.0564	0.0346	0.0910	0.0000	128.2160	128.2160	0.0415	0.0000	129.2527

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3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.3613	0.0820	1.1300e-003	0.0355	1.0200e-003	0.0366	9.4700e-003	9.8000e-004	0.0105	0.0000	110.8240	110.8240	7.5400e-003	0.0000	111.0124
Vendor	1.6000e-004	5.5000e-003	1.3600e-003	1.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4520	1.4520	9.0000e-005	0.0000	1.4542
Worker	1.1700e-003	8.3000e-004	9.6500e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3200e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.7642	2.7642	7.0000e-005	0.0000	2.7659
Total	0.0118	0.3676	0.0930	1.1700e-003	0.0392	1.0500e-003	0.0403	0.0105	1.0100e-003	0.0115	0.0000	115.0402	115.0402	7.7000e-003	0.0000	115.2325

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0684	0.0000	0.0684	0.0254	0.0000	0.0254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0852	0.9318	0.6249	1.4600e-003		0.0377	0.0377		0.0346	0.0346	0.0000	128.2158	128.2158	0.0415	0.0000	129.2525
Total	0.0852	0.9318	0.6249	1.4600e-003	0.0684	0.0377	0.1061	0.0254	0.0346	0.0600	0.0000	128.2158	128.2158	0.0415	0.0000	129.2525

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3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0105	0.3613	0.0820	1.1300e-003	0.0355	1.0200e-003	0.0366	9.4700e-003	9.8000e-004	0.0105	0.0000	110.8240	110.8240	7.5400e-003	0.0000	111.0124
Vendor	1.6000e-004	5.5000e-003	1.3600e-003	1.0000e-005	3.8000e-004	1.0000e-005	3.9000e-004	1.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.4520	1.4520	9.0000e-005	0.0000	1.4542
Worker	1.1700e-003	8.3000e-004	9.6500e-003	3.0000e-005	3.2900e-003	2.0000e-005	3.3200e-003	8.7000e-004	2.0000e-005	9.0000e-004	0.0000	2.7642	2.7642	7.0000e-005	0.0000	2.7659
Total	0.0118	0.3676	0.0930	1.1700e-003	0.0392	1.0500e-003	0.0403	0.0105	1.0100e-003	0.0115	0.0000	115.0402	115.0402	7.7000e-003	0.0000	115.2325

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	0.1962	1.7958	1.8818	3.1000e-003		0.0930	0.0930		0.0875	0.0875	0.0000	266.4840	266.4840	0.0638	0.0000	268.0801
Total	0.1962	1.7958	1.8818	3.1000e-003		0.0930	0.0930		0.0875	0.0875	0.0000	266.4840	266.4840	0.0638	0.0000	268.0801

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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	0.0608	2.0891	0.5163	5.6900e-003	0.1435	3.8400e-003	0.1474	0.0414	3.6700e-003	0.0451	0.0000	551.0270	551.0270	0.0338	0.0000	551.8728
Worker	0.2287	0.1626	1.8798	5.9500e-003	0.6409	4.6700e-003	0.6456	0.1702	4.3000e-003	0.1745	0.0000	538.2801	538.2801	0.0135	0.0000	538.6182
Total	0.2894	2.2516	2.3961	0.0116	0.7845	8.5100e-003	0.7930	0.2116	7.9700e-003	0.2196	0.0000	1,089.3071	1,089.3071	0.0474	0.0000	1,090.4910

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1962	1.7958	1.8818	3.1000e-003		0.0930	0.0930		0.0875	0.0875	0.0000	266.4837	266.4837	0.0638	0.0000	268.0798
Total	0.1962	1.7958	1.8818	3.1000e-003		0.0930	0.0930		0.0875	0.0875	0.0000	266.4837	266.4837	0.0638	0.0000	268.0798

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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	0.0608	2.0891	0.5163	5.6900e-003	0.1435	3.8400e-003	0.1474	0.0414	3.6700e-003	0.0451	0.0000	551.0270	551.0270	0.0338	0.0000	551.8728
Worker	0.2287	0.1626	1.8798	5.9500e-003	0.6409	4.6700e-003	0.6456	0.1702	4.3000e-003	0.1745	0.0000	538.2801	538.2801	0.0135	0.0000	538.6182
Total	0.2894	2.2516	2.3961	0.0116	0.7845	8.5100e-003	0.7930	0.2116	7.9700e-003	0.2196	0.0000	1,089.3071	1,089.3071	0.0474	0.0000	1,090.4910

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	0.1651	1.5104	1.7056	2.8300e-003		0.0735	0.0735		0.0691	0.0691	0.0000	243.3950	243.3950	0.0579	0.0000	244.8425
Total	0.1651	1.5104	1.7056	2.8300e-003		0.0735	0.0735		0.0691	0.0691	0.0000	243.3950	243.3950	0.0579	0.0000	244.8425

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3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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	0.0414	1.4352	0.4214	5.0300e-003	0.1310	1.6300e-003	0.1327	0.0378	1.5600e-003	0.0394	0.0000	487.9465	487.9465	0.0269	0.0000	488.6179
Worker	0.1966	0.1343	1.5825	5.2300e-003	0.5852	4.1500e-003	0.5894	0.1554	3.8200e-003	0.1592	0.0000	473.1440	473.1440	0.0111	0.0000	473.4222
Total	0.2379	1.5695	2.0039	0.0103	0.7163	5.7800e-003	0.7220	0.1932	5.3800e-003	0.1986	0.0000	961.0906	961.0906	0.0380	0.0000	962.0401

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1651	1.5104	1.7056	2.8300e-003		0.0735	0.0735		0.0691	0.0691	0.0000	243.3947	243.3947	0.0579	0.0000	244.8422
Total	0.1651	1.5104	1.7056	2.8300e-003		0.0735	0.0735		0.0691	0.0691	0.0000	243.3947	243.3947	0.0579	0.0000	244.8422

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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	0.0414	1.4352	0.4214	5.0300e-003	0.1310	1.6300e-003	0.1327	0.0378	1.5600e-003	0.0394	0.0000	487.9465	487.9465	0.0269	0.0000	488.6179
Worker	0.1966	0.1343	1.5825	5.2300e-003	0.5852	4.1500e-003	0.5894	0.1554	3.8200e-003	0.1592	0.0000	473.1440	473.1440	0.0111	0.0000	473.4222
Total	0.2379	1.5695	2.0039	0.0103	0.7163	5.7800e-003	0.7220	0.1932	5.3800e-003	0.1986	0.0000	961.0906	961.0906	0.0380	0.0000	962.0401

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0181	0.1784	0.2552	4.0000e-004		8.9300e-003	8.9300e-003		8.2100e-003	8.2100e-003	0.0000	35.0470	35.0470	0.0113	0.0000	35.3304
Paving	0.0209					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0390	0.1784	0.2552	4.0000e-004		8.9300e-003	8.9300e-003		8.2100e-003	8.2100e-003	0.0000	35.0470	35.0470	0.0113	0.0000	35.3304

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3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.8300e-003	1.4200e-003	2.0000e-005	4.4000e-004	1.0000e-005	4.5000e-004	1.3000e-004	1.0000e-005	1.3000e-004	0.0000	1.6429	1.6429	9.0000e-005	0.0000	1.6452
Worker	1.0300e-003	7.0000e-004	8.3100e-003	3.0000e-005	3.0700e-003	2.0000e-005	3.0900e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.4837	2.4837	6.0000e-005	0.0000	2.4852
Total	1.1700e-003	5.5300e-003	9.7300e-003	5.0000e-005	3.5100e-003	3.0000e-005	3.5400e-003	9.5000e-004	3.0000e-005	9.7000e-004	0.0000	4.1266	4.1266	1.5000e-004	0.0000	4.1303

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0181	0.1784	0.2552	4.0000e-004		8.9300e-003	8.9300e-003		8.2100e-003	8.2100e-003	0.0000	35.0470	35.0470	0.0113	0.0000	35.3304
Paving	0.0209					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0390	0.1784	0.2552	4.0000e-004		8.9300e-003	8.9300e-003		8.2100e-003	8.2100e-003	0.0000	35.0470	35.0470	0.0113	0.0000	35.3304

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3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.8300e-003	1.4200e-003	2.0000e-005	4.4000e-004	1.0000e-005	4.5000e-004	1.3000e-004	1.0000e-005	1.3000e-004	0.0000	1.6429	1.6429	9.0000e-005	0.0000	1.6452
Worker	1.0300e-003	7.0000e-004	8.3100e-003	3.0000e-005	3.0700e-003	2.0000e-005	3.0900e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	2.4837	2.4837	6.0000e-005	0.0000	2.4852
Total	1.1700e-003	5.5300e-003	9.7300e-003	5.0000e-005	3.5100e-003	3.0000e-005	3.5400e-003	9.5000e-004	3.0000e-005	9.7000e-004	0.0000	4.1266	4.1266	1.5000e-004	0.0000	4.1303

3.7 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	0.5471					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4400e-003	9.7700e-003	0.0136	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.9149	1.9149	1.1000e-004	0.0000	1.9178
Total	0.5486	9.7700e-003	0.0136	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.9149	1.9149	1.1000e-004	0.0000	1.9178

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3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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	6.0000e-005	2.0700e-003	6.1000e-004	1.0000e-005	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.7041	0.7041	4.0000e-005	0.0000	0.7051
Worker	2.8200e-003	1.9300e-003	0.0227	8.0000e-005	8.3900e-003	6.0000e-005	8.4500e-003	2.2300e-003	5.0000e-005	2.2800e-003	0.0000	6.7858	6.7858	1.6000e-004	0.0000	6.7898
Total	2.8800e-003	4.0000e-003	0.0233	9.0000e-005	8.5800e-003	6.0000e-005	8.6400e-003	2.2800e-003	5.0000e-005	2.3400e-003	0.0000	7.4899	7.4899	2.0000e-004	0.0000	7.4949

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5471					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4400e-003	9.7700e-003	0.0136	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.9149	1.9149	1.1000e-004	0.0000	1.9178
Total	0.5486	9.7700e-003	0.0136	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.9149	1.9149	1.1000e-004	0.0000	1.9178

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3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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	6.0000e-005	2.0700e-003	6.1000e-004	1.0000e-005	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.7041	0.7041	4.0000e-005	0.0000	0.7051
Worker	2.8200e-003	1.9300e-003	0.0227	8.0000e-005	8.3900e-003	6.0000e-005	8.4500e-003	2.2300e-003	5.0000e-005	2.2800e-003	0.0000	6.7858	6.7858	1.6000e-004	0.0000	6.7898
Total	2.8800e-003	4.0000e-003	0.0233	9.0000e-005	8.5800e-003	6.0000e-005	8.6400e-003	2.2800e-003	5.0000e-005	2.3400e-003	0.0000	7.4899	7.4899	2.0000e-004	0.0000	7.4949

3.7 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	1.9331					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7900e-003	0.0323	0.0480	8.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	6.7661	6.7661	3.8000e-004	0.0000	6.7757
Total	1.9379	0.0323	0.0480	8.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	6.7661	6.7661	3.8000e-004	0.0000	6.7757

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3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	7.3000e-003	2.0900e-003	3.0000e-005	6.7000e-004	1.0000e-005	6.8000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	2.4791	2.4791	1.3000e-004	0.0000	2.4824
Worker	9.4400e-003	6.2000e-003	0.0748	2.6000e-004	0.0297	2.1000e-004	0.0299	7.8800e-003	1.9000e-004	8.0700e-003	0.0000	23.1875	23.1875	5.2000e-004	0.0000	23.2004
Total	9.6500e-003	0.0135	0.0769	2.9000e-004	0.0303	2.2000e-004	0.0305	8.0700e-003	2.0000e-004	8.2700e-003	0.0000	25.6666	25.6666	6.5000e-004	0.0000	25.6828

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9331					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7900e-003	0.0323	0.0480	8.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	6.7661	6.7661	3.8000e-004	0.0000	6.7756
Total	1.9379	0.0323	0.0480	8.0000e-005		1.6100e-003	1.6100e-003		1.6100e-003	1.6100e-003	0.0000	6.7661	6.7661	3.8000e-004	0.0000	6.7756

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3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	7.3000e-003	2.0900e-003	3.0000e-005	6.7000e-004	1.0000e-005	6.8000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	2.4791	2.4791	1.3000e-004	0.0000	2.4824
Worker	9.4400e-003	6.2000e-003	0.0748	2.6000e-004	0.0297	2.1000e-004	0.0299	7.8800e-003	1.9000e-004	8.0700e-003	0.0000	23.1875	23.1875	5.2000e-004	0.0000	23.2004
Total	9.6500e-003	0.0135	0.0769	2.9000e-004	0.0303	2.2000e-004	0.0305	8.0700e-003	2.0000e-004	8.2700e-003	0.0000	25.6666	25.6666	6.5000e-004	0.0000	25.6828

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Other Asphalt Surfaces	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Parking Lot	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Unrefrigerated Warehouse-No Rail	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	692.2961	692.2961	0.0000	0.0000	692.2961
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	692.2961	692.2961	0.0000	0.0000	692.2961
NaturalGas Mitigated	7.2900e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003	0.0000	72.1044	72.1044	1.3800e-003	1.3200e-003	72.5329
NaturalGas Unmitigated	7.2900e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003	0.0000	72.1044	72.1044	1.3800e-003	1.3200e-003	72.5329

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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					
Industrial Park	754617	4.0700e-003	0.0370	0.0311	2.2000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	40.2693	40.2693	7.7000e-004	7.4000e-004	40.5086
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
Unrefrigerated Warehouse-No Rail	596568	3.2200e-003	0.0292	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003	0.0000	31.8351	31.8351	6.1000e-004	5.8000e-004	32.0243
Total		7.2900e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003	0.0000	72.1044	72.1044	1.3800e-003	1.3200e-003	72.5329

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	754617	4.0700e-003	0.0370	0.0311	2.2000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	40.2693	40.2693	7.7000e-004	7.4000e-004	40.5086
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
Unrefrigerated Warehouse-No Rail	596568	3.2200e-003	0.0292	0.0246	1.8000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003	0.0000	31.8351	31.8351	6.1000e-004	5.8000e-004	32.0243
Total		7.2900e-003	0.0662	0.0556	4.0000e-004		5.0300e-003	5.0300e-003		5.0300e-003	5.0300e-003	0.0000	72.1044	72.1044	1.3800e-003	1.3200e-003	72.5329

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	1.95e+006	472.3265	0.0000	0.0000	472.3265
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	219448	53.1544	0.0000	0.0000	53.1544
Unrefrigerated Warehouse-No Rail	688698	166.8152	0.0000	0.0000	166.8152
Total		692.2961	0.0000	0.0000	692.2961

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5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	1.95e+006	472.3265	0.0000	0.0000	472.3265
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	219448	53.1544	0.0000	0.0000	53.1544
Unrefrigerated Warehouse-No Rail	688698	166.8152	0.0000	0.0000	166.8152
Total		692.2961	0.0000	0.0000	692.2961

6.0 Area Detail**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1526	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0284	0.0284	7.0000e-005	0.0000	0.0302
Unmitigated	2.1526	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0284	0.0284	7.0000e-005	0.0000	0.0302

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	0.2480					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9032					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3400e-003	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0284	0.0284	7.0000e-005	0.0000	0.0302
Total	2.1526	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0284	0.0284	7.0000e-005	0.0000	0.0302

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Annual

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	0.2480					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9032					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3400e-003	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0284	0.0284	7.0000e-005	0.0000	0.0302
Total	2.1526	1.3000e-004	0.0146	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0284	0.0284	7.0000e-005	0.0000	0.0302

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	412.8097	3.8752	0.0915	536.9563
Unmitigated	412.8097	3.8752	0.0915	536.9563

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	50.2899 / 0	174.5654	1.6387	0.0387	227.0634
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
Unrefrigerated Warehouse-No Rail	68.635 / 0	238.2444	2.2365	0.0528	309.8929
Total		412.8097	3.8752	0.0915	536.9563

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	50.2899 / 0	174.5654	1.6387	0.0387	227.0634
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
Unrefrigerated Warehouse-No Rail	68.635 / 0	238.2444	2.2365	0.0528	309.8929
Total		412.8097	3.8752	0.0915	536.9563

8.0 Waste Detail

8.1 Mitigation Measures Waste

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	111.3710	6.5818	0.0000	275.9169
Unmitigated	111.3710	6.5818	0.0000	275.9169

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	269.66	54.7385	3.2350	0.0000	135.6124
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	278.99	56.6325	3.3469	0.0000	140.3045
Total		111.3710	6.5818	0.0000	275.9169

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	269.66	54.7385	3.2350	0.0000	135.6124
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	278.99	56.6325	3.3469	0.0000	140.3045
Total		111.3710	6.5818	0.0000	275.9169

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Off-Highway Tractors	2	4.00	365	200	0.44	Diesel
Rough Terrain Forklifts	16	8.00	365	100	0.40	Diesel

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UnMitigated/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
Equipment Type	tons/yr										MT/yr					
Off-Highway Tractors	0.0478	0.3901	0.3214	1.3800e-003		0.0139	0.0139		0.0128	0.0128	0.0000	120.9484	120.9484	0.0391	0.0000	121.9263
Rough Terrain Forklifts	0.2990	3.9427	6.6840	0.0101		0.1201	0.1201		0.1105	0.1105	0.0000	884.0604	884.0604	0.2859	0.0000	891.2084
Total	0.3468	4.3328	7.0054	0.0115		0.1340	0.1340		0.1233	0.1233	0.0000	1,005.0087	1,005.0087	0.3250	0.0000	1,013.1347

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

Oakmont Mission and Ramona Industrial Park-Response to Comment Only
South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	217.47	1000sqft	4.99	217,469.00	0
Unrefrigerated Warehouse-No Rail	296.80	1000sqft	6.81	296,800.00	0
Other Asphalt Surfaces	1.55	Acre	1.55	67,518.00	0
Parking Lot	627.00	1000sqft	14.39	626,995.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Appendix A - Revised Air Quality Calculations

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

Project Characteristics - Based on the 2019 SCE Sustainability Report.

Land Use - Based on applicant provided information.

Construction Phase - Based on applicant provided information.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Grading - Cut 139,305 cy

Fill 103,261 cy

export 36,042 cy

Demolition - Based on demolition plan for the project. Assumes 36,410 SF of building demo, 965,465 SF of asphalt, 76,330 SF of concrete, and 84,673 SF of landscaping removed.

Trips and VMT - CalEEMod defaults. Odd trips rounded up to account for whole round trips.

On-road Fugitive Dust - CalEEMod defaults.

Architectural Coating - In accordance with SCAQMD Rule 1113.

Vehicle Trips - Calculated outside of CalEEMod.

Consumer Products - CalEEMod defaults.

Area Coating - In accordance with SCAQMD Rule 1113.

Landscape Equipment - CalEEMod defaults.

Energy Use - In accordance with 2019 Title 24 standards.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Operational Off-Road Equipment - Based on offroad equipment for warehouse projects.

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	35.00	68.00

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

tblConstructionPhase	PhaseEndDate	1/26/2024	3/13/2024
tblEnergyUse	LightingElect	3.66	3.44
tblEnergyUse	T24E	3.07	2.74
tblEnergyUse	T24E	0.37	0.33
tblEnergyUse	T24NG	2.00	1.98
tblGrading	MaterialExported	0.00	36,042.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	5.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperHorsePower	124.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	16.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripNumber	2,255.00	2,256.00
tblTripsAndVMT	HaulingTripNumber	4,505.00	4,506.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	ST_TR	2.49	0.00

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	7.3433	99.9702	51.5553	0.1771	18.2931	3.1065	20.3398	9.9914	2.8609	11.8744	0.0000	18,047.3063	18,047.3063	3.6102	0.0000	18,137.5618
2022	6.4573	85.9387	47.7423	0.1762	11.4247	2.5802	14.0049	4.3189	2.3763	6.6952	0.0000	17,952.3097	17,952.3097	3.6032	0.0000	18,042.3899
2023	73.5266	29.0734	36.4020	0.1278	6.9455	0.7545	7.7000	1.8707	0.7094	2.5801	0.0000	12,962.0760	12,962.0760	1.0051	0.0000	12,987.2028
2024	73.4952	1.6999	4.9501	0.0141	1.1657	0.0691	1.2348	0.3097	0.0684	0.3782	0.0000	1,399.9085	1,399.9085	0.0440	0.0000	1,401.0083
Maximum	73.5266	99.9702	51.5553	0.1771	18.2931	3.1065	20.3398	9.9914	2.8609	11.8744	0.0000	18,047.3063	18,047.3063	3.6102	0.0000	18,137.5618

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

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					
2021	7.3433	99.9702	51.5553	0.1771	8.8389	3.1065	11.6969	4.5295	2.8609	6.4125	0.0000	18,047.3063	18,047.3063	3.6102	0.0000	18,137.5618
2022	6.4573	85.9387	47.7423	0.1762	6.9455	2.5802	9.1848	2.3332	2.3763	4.7095	0.0000	17,952.3097	17,952.3097	3.6032	0.0000	18,042.3899
2023	73.5266	29.0734	36.4020	0.1278	6.9455	0.7545	7.7000	1.8707	0.7094	2.5801	0.0000	12,962.0760	12,962.0760	1.0051	0.0000	12,987.2028
2024	73.4952	1.6999	4.9501	0.0141	1.1657	0.0691	1.2348	0.3097	0.0684	0.3782	0.0000	1,399.9085	1,399.9085	0.0440	0.0000	1,401.0083
Maximum	73.5266	99.9702	51.5553	0.1771	8.8389	3.1065	11.6969	4.5295	2.8609	6.4125	0.0000	18,047.3063	18,047.3063	3.6102	0.0000	18,137.5618

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	36.83	0.00	31.11	45.16	0.00	34.59	0.00	0.00	0.00	0.00	0.00	0.00

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.7983	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004		0.2664
Energy	0.0399	0.3629	0.3049	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.5151	435.5151	8.3500e-003	7.9800e-003	438.1031
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	1.9003	23.7414	38.3858	0.0627		0.7342	0.7342		0.6755	0.6755		6,070.3149	6,070.3149	1.9633		6,119.3965
Total	13.7386	24.1054	38.8072	0.0649	0.0000	0.7622	0.7622	0.0000	0.7035	0.7035		6,506.0801	6,506.0801	1.9723	7.9800e-003	6,557.7660

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

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	lb/day										lb/day					
Area	11.7983	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004		0.2664
Energy	0.0399	0.3629	0.3049	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.5151	435.5151	8.3500e-003	7.9800e-003	438.1031
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	1.9003	23.7414	38.3858	0.0627		0.7342	0.7342		0.6755	0.6755		6,070.3149	6,070.3149	1.9633		6,119.3965
Total	13.7386	24.1054	38.8072	0.0649	0.0000	0.7622	0.7622	0.0000	0.7035	0.7035		6,506.0801	6,506.0801	1.9723	7.9800e-003	6,557.7660

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

3.0 Construction Detail

Construction Phase

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/4/2021	11/12/2021	5	30	
2	Site Preparation	Site Preparation	11/13/2021	12/10/2021	5	20	
3	Grading	Grading	12/11/2021	2/11/2022	5	45	
4	Building Construction	Building Construction	2/12/2022	10/20/2023	5	440	
5	Paving	Paving	10/21/2023	12/8/2023	5	35	
6	Architectural Coating	Architectural Coating	12/9/2023	3/13/2024	5	68	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 15.94

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 771,404; Non-Residential Outdoor: 257,135; Striped Parking Area: 41,671 (Architectural Coating – sqft)

OffRoad Equipment

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	5	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	102.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	508.00	198.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	16.00	4.00	2,256.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	4.00	4,506.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.2675	0.0000	16.2675	2.4631	0.0000	2.4631			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	16.2675	1.5513	17.8189	2.4631	1.4411	3.9041		3,747.9449	3,747.9449	1.0549		3,774.3174

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5456	19.0248	4.0272	0.0576	1.3140	0.0590	1.3730	0.3601	0.0564	0.4165		6,238.1375	6,238.1375	0.4162		6,248.5419
Vendor	0.0111	0.3815	0.0905	1.0200e-003	0.0256	7.7000e-004	0.0264	7.3700e-003	7.3000e-004	8.1000e-003		108.9754	108.9754	6.5900e-003		109.1402
Worker	0.0675	0.0438	0.6028	1.7800e-003	0.1788	1.3200e-003	0.1802	0.0474	1.2100e-003	0.0486		177.1845	177.1845	4.7600e-003		177.3037
Total	0.6243	19.4501	4.7204	0.0604	1.5185	0.0611	1.5795	0.4149	0.0584	0.4733		6,524.2974	6,524.2974	0.4275		6,534.9857

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.3204	0.0000	7.3204	1.1084	0.0000	1.1084			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	7.3204	1.5513	8.8717	1.1084	1.4411	2.5495	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

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3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5456	19.0248	4.0272	0.0576	1.3140	0.0590	1.3730	0.3601	0.0564	0.4165		6,238.1375	6,238.1375	0.4162		6,248.5419
Vendor	0.0111	0.3815	0.0905	1.0200e-003	0.0256	7.7000e-004	0.0264	7.3700e-003	7.3000e-004	8.1000e-003		108.9754	108.9754	6.5900e-003		109.1402
Worker	0.0675	0.0438	0.6028	1.7800e-003	0.1788	1.3200e-003	0.1802	0.0474	1.2100e-003	0.0486		177.1845	177.1845	4.7600e-003		177.3037
Total	0.6243	19.4501	4.7204	0.0604	1.5185	0.0611	1.5795	0.4149	0.0584	0.4733		6,524.2974	6,524.2974	0.4275		6,534.9857

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

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3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0111	0.3815	0.0905	1.0200e-003	0.0256	7.7000e-004	0.0264	7.3700e-003	7.3000e-004	8.1000e-003		108.9754	108.9754	6.5900e-003		109.1402
Worker	0.0760	0.0493	0.6781	2.0000e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		199.3326	199.3326	5.3600e-003		199.4666
Total	0.0871	0.4308	0.7686	3.0200e-003	0.2268	2.2500e-003	0.2291	0.0607	2.0900e-003	0.0628		308.3080	308.3080	0.0120		308.6068

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	8.1298	2.0445	10.1743	4.4688	1.8809	6.3497	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0111	0.3815	0.0905	1.0200e-003	0.0256	7.7000e-004	0.0264	7.3700e-003	7.3000e-004	8.1000e-003		108.9754	108.9754	6.5900e-003		109.1402
Worker	0.0760	0.0493	0.6781	2.0000e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		199.3326	199.3326	5.3600e-003		199.4666
Total	0.0871	0.4308	0.7686	3.0200e-003	0.2268	2.2500e-003	0.2291	0.0607	2.0900e-003	0.0628		308.3080	308.3080	0.0120		308.6068

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7639	0.0000	8.7639	3.6102	0.0000	3.6102			0.0000			0.0000
Off-Road	6.5212	74.2014	45.3489	0.0972		3.0256	3.0256		2.7836	2.7836		9,410.3941	9,410.3941	3.0435		9,486.4819
Total	6.5212	74.2014	45.3489	0.0972	8.7639	3.0256	11.7895	3.6102	2.7836	6.3938		9,410.3941	9,410.3941	3.0435		9,486.4819

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3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7266	25.3326	5.3624	0.0767	4.3975	0.0785	4.4760	1.1294	0.0751	1.2045		8,306.456 2	8,306.456 2	0.5542		8,320.310 2
Vendor	0.0111	0.3815	0.0905	1.0200e-003	0.0256	7.7000e-004	0.0264	7.3700e-003	7.3000e-004	8.1000e-003		108.9754	108.9754	6.5900e-003		109.1402
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	0.8221	25.7689	6.2064	0.0800	4.6466	0.0809	4.7276	1.1961	0.0774	1.2734		8,636.912 2	8,636.912 2	0.5667		8,651.080 0

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9438	0.0000	3.9438	1.6246	0.0000	1.6246			0.0000			0.0000
Off-Road	6.5212	74.2014	45.3489	0.0972		3.0256	3.0256		2.7836	2.7836	0.0000	9,410.394 0	9,410.394 0	3.0435		9,486.481 9
Total	6.5212	74.2014	45.3489	0.0972	3.9438	3.0256	6.9694	1.6246	2.7836	4.4082	0.0000	9,410.394 0	9,410.394 0	3.0435		9,486.481 9

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3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7266	25.3326	5.3624	0.0767	4.3975	0.0785	4.4760	1.1294	0.0751	1.2045		8,306.456 2	8,306.456 2	0.5542		8,320.310 2
Vendor	0.0111	0.3815	0.0905	1.0200e-003	0.0256	7.7000e-004	0.0264	7.3700e-003	7.3000e-004	8.1000e-003		108.9754	108.9754	6.5900e-003		109.1402
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	0.8221	25.7689	6.2064	0.0800	4.6466	0.0809	4.7276	1.1961	0.0774	1.2734		8,636.912 2	8,636.912 2	0.5667		8,651.080 0

3.4 Grading - 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					
Fugitive Dust					8.7639	0.0000	8.7639	3.6102	0.0000	3.6102			0.0000			0.0000
Off-Road	5.6777	62.1200	41.6586	0.0973		2.5104	2.5104		2.3096	2.3096		9,422.261 7	9,422.261 7	3.0474		9,498.445 5
Total	5.6777	62.1200	41.6586	0.0973	8.7639	2.5104	11.2743	3.6102	2.3096	5.9198		9,422.261 7	9,422.261 7	3.0474		9,498.445 5

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3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6899	23.4071	5.3014	0.0758	2.4116	0.0675	2.4792	0.6420	0.0646	0.7066		8,208.4796	8,208.4796	0.5441		8,222.0828
Vendor	0.0104	0.3621	0.0856	1.0100e-003	0.0256	6.7000e-004	0.0263	7.3700e-003	6.4000e-004	8.0100e-003		108.0237	108.0237	6.3500e-003		108.1823
Worker	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	0.7796	23.8187	6.0836	0.0789	2.6608	0.0698	2.7306	0.7086	0.0667	0.7753		8,530.0480	8,530.0480	0.5559		8,543.9445

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9438	0.0000	3.9438	1.6246	0.0000	1.6246			0.0000			0.0000
Off-Road	5.6777	62.1200	41.6586	0.0973		2.5104	2.5104		2.3096	2.3096	0.0000	9,422.2617	9,422.2617	3.0474		9,498.4455
Total	5.6777	62.1200	41.6586	0.0973	3.9438	2.5104	6.4542	1.6246	2.3096	3.9342	0.0000	9,422.2617	9,422.2617	3.0474		9,498.4455

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3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6899	23.4071	5.3014	0.0758	2.4116	0.0675	2.4792	0.6420	0.0646	0.7066		8,208.4796	8,208.4796	0.5441		8,222.0828
Vendor	0.0104	0.3621	0.0856	1.0100e-003	0.0256	6.7000e-004	0.0263	7.3700e-003	6.4000e-004	8.0100e-003		108.0237	108.0237	6.3500e-003		108.1823
Worker	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	0.7796	23.8187	6.0836	0.0789	2.6608	0.0698	2.7306	0.7086	0.0667	0.7753		8,530.0480	8,530.0480	0.5559		8,543.9445

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5167	17.9256	4.2352	0.0501	1.2672	0.0330	1.3002	0.3648	0.0315	0.3963		5,347.1707	5,347.1707	0.3141		5,355.0239
Worker	2.0114	1.2563	17.6963	0.0544	5.6782	0.0406	5.7188	1.5059	0.0374	1.5433		5,424.0376	5,424.0376	0.1367		5,427.4557
Total	2.5281	19.1818	21.9315	0.1045	6.9455	0.0736	7.0190	1.8707	0.0689	1.9396		10,771.2082	10,771.2082	0.4509		10,782.4796

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5167	17.9256	4.2352	0.0501	1.2672	0.0330	1.3002	0.3648	0.0315	0.3963		5,347.1707	5,347.1707	0.3141		5,355.0239
Worker	2.0114	1.2563	17.6963	0.0544	5.6782	0.0406	5.7188	1.5059	0.0374	1.5433		5,424.0376	5,424.0376	0.1367		5,427.4557
Total	2.5281	19.1818	21.9315	0.1045	6.9455	0.0736	7.0190	1.8707	0.0689	1.9396		10,771.2082	10,771.2082	0.4509		10,782.4796

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3855	13.5518	3.8158	0.0485	1.2672	0.0152	1.2825	0.3648	0.0146	0.3794		5,184.9808	5,184.9808	0.2739		5,191.8288
Worker	1.8912	1.1367	16.3422	0.0524	5.6782	0.0395	5.7178	1.5059	0.0364	1.5423		5,221.8853	5,221.8853	0.1233		5,224.9680
Total	2.2767	14.6886	20.1580	0.1008	6.9455	0.0548	7.0002	1.8707	0.0510	1.9217		10,406.8661	10,406.8661	0.3972		10,416.7968

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3855	13.5518	3.8158	0.0485	1.2672	0.0152	1.2825	0.3648	0.0146	0.3794		5,184.9808	5,184.9808	0.2739		5,191.8288
Worker	1.8912	1.1367	16.3422	0.0524	5.6782	0.0395	5.7178	1.5059	0.0364	1.5423		5,221.8853	5,221.8853	0.1233		5,224.9680
Total	2.2767	14.6886	20.1580	0.1008	6.9455	0.0548	7.0002	1.8707	0.0510	1.9217		10,406.8661	10,406.8661	0.3972		10,416.7968

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	1.1932					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2260	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.7900e-003	0.2738	0.0771	9.8000e-004	0.0256	3.1000e-004	0.0259	7.3700e-003	2.9000e-004	7.6600e-003		104.7471	104.7471	5.5300e-003		104.8854
Worker	0.0596	0.0358	0.5147	1.6500e-003	0.1788	1.2500e-003	0.1801	0.0474	1.1500e-003	0.0486		164.4688	164.4688	3.8800e-003		164.5659
Total	0.0674	0.3096	0.5918	2.6300e-003	0.2044	1.5600e-003	0.2060	0.0548	1.4400e-003	0.0562		269.2159	269.2159	9.4100e-003		269.4514

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	1.1932					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2260	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

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3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.7900e-003	0.2738	0.0771	9.8000e-004	0.0256	3.1000e-004	0.0259	7.3700e-003	2.9000e-004	7.6600e-003		104.7471	104.7471	5.5300e-003		104.8854
Worker	0.0596	0.0358	0.5147	1.6500e-003	0.1788	1.2500e-003	0.1801	0.0474	1.1500e-003	0.0486		164.4688	164.4688	3.8800e-003		164.5659
Total	0.0674	0.3096	0.5918	2.6300e-003	0.2044	1.5600e-003	0.2060	0.0548	1.4400e-003	0.0562		269.2159	269.2159	9.4100e-003		269.4514

3.7 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	72.9474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	73.1391	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.7900e-003	0.2738	0.0771	9.8000e-004	0.0256	3.1000e-004	0.0259	7.3700e-003	2.9000e-004	7.6600e-003		104.7471	104.7471	5.5300e-003		104.8854
Worker	0.3797	0.2282	3.2813	0.0105	1.1401	7.9400e-003	1.1481	0.3024	7.3100e-003	0.3097		1,048.4888	1,048.4888	0.0248		1,049.1077
Total	0.3875	0.5020	3.3584	0.0115	1.1657	8.2500e-003	1.1740	0.3097	7.6000e-003	0.3173		1,153.2359	1,153.2359	0.0303		1,153.9932

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	72.9474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	73.1391	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.7900e-003	0.2738	0.0771	9.8000e-004	0.0256	3.1000e-004	0.0259	7.3700e-003	2.9000e-004	7.6600e-003		104.7471	104.7471	5.5300e-003		104.8854
Worker	0.3797	0.2282	3.2813	0.0105	1.1401	7.9400e-003	1.1481	0.3024	7.3100e-003	0.3097		1,048.4888	1,048.4888	0.0248		1,049.1077
Total	0.3875	0.5020	3.3584	0.0115	1.1657	8.2500e-003	1.1740	0.3097	7.6000e-003	0.3173		1,153.2359	1,153.2359	0.0303		1,153.9932

3.7 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	72.9474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	73.1282	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.6200e-003	0.2731	0.0749	9.7000e-004	0.0256	3.0000e-004	0.0259	7.3700e-003	2.9000e-004	7.6600e-003		104.3673	104.3673	5.4500e-003		104.5035
Worker	0.3594	0.2080	3.0651	0.0102	1.1401	7.8400e-003	1.1480	0.3024	7.2100e-003	0.3096		1,014.0931	1,014.0931	0.0227		1,014.6605
Total	0.3670	0.4811	3.1400	0.0111	1.1657	8.1400e-003	1.1739	0.3097	7.5000e-003	0.3172		1,118.4604	1,118.4604	0.0282		1,119.1640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	72.9474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	73.1282	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.6200e-003	0.2731	0.0749	9.7000e-004	0.0256	3.0000e-004	0.0259	7.3700e-003	2.9000e-004	7.6600e-003		104.3673	104.3673	5.4500e-003		104.5035
Worker	0.3594	0.2080	3.0651	0.0102	1.1401	7.8400e-003	1.1480	0.3024	7.2100e-003	0.3096		1,014.0931	1,014.0931	0.0227		1,014.6605
Total	0.3670	0.4811	3.1400	0.0111	1.1657	8.1400e-003	1.1739	0.3097	7.5000e-003	0.3172		1,118.4604	1,118.4604	0.0282		1,119.1640

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Other Asphalt Surfaces	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Parking Lot	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Unrefrigerated Warehouse-No Rail	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0399	0.3629	0.3049	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.5151	435.5151	8.3500e-003	7.9800e-003	438.1031
NaturalGas Unmitigated	0.0399	0.3629	0.3049	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.5151	435.5151	8.3500e-003	7.9800e-003	438.1031

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

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					
Industrial Park	2067.45	0.0223	0.2027	0.1703	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.2288	243.2288	4.6600e-003	4.4600e-003	244.6742
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
Unrefrigerated Warehouse-No Rail	1634.43	0.0176	0.1602	0.1346	9.6000e-004		0.0122	0.0122		0.0122	0.0122		192.2862	192.2862	3.6900e-003	3.5300e-003	193.4289
Total		0.0399	0.3629	0.3049	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.5151	435.5151	8.3500e-003	7.9900e-003	438.1031

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	2.06745	0.0223	0.2027	0.1703	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.2288	243.2288	4.6600e-003	4.4600e-003	244.6742
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
Unrefrigerated Warehouse-No Rail	1.63443	0.0176	0.1602	0.1346	9.6000e-004		0.0122	0.0122		0.0122	0.0122		192.2862	192.2862	3.6900e-003	3.5300e-003	193.4289
Total		0.0399	0.3629	0.3049	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.5151	435.5151	8.3500e-003	7.9900e-003	438.1031

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.7983	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004		0.2664
Unmitigated	11.7983	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004		0.2664

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	1.3590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.4285					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0108	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004		0.2664
Total	11.7983	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004		0.2664

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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	1.3590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.4285					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0108	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004		0.2664
Total	11.7983	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004		0.2664

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Off-Highway Tractors	24	4.00	365	200	0.44	Diesel
Rough Terrain Forklifts	16	8.00	365	100	0.40	Diesel

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Summer

UnMitigated/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
Equipment Type	lb/day										lb/day					
Off-Highway Tractors	0.2621	2.1377	1.7610	7.5500e-003		0.0763	0.0763		0.0702	0.0702		730.5355	730.5355	0.2363		736.4423
Rough Terrain Forklifts	1.6383	21.6037	36.6248	0.0552		0.6580	0.6580		0.6053	0.6053		5,339.7794	5,339.7794	1.7270		5,382.9542
Total	1.9003	23.7414	38.3858	0.0627		0.7342	0.7342		0.6755	0.6755		6,070.3149	6,070.3149	1.9633		6,119.3965

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

Oakmont Mission and Ramona Industrial Park-Response to Comment Only
South Coast AQMD Air District, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	217.47	1000sqft	4.99	217,469.00	0
Unrefrigerated Warehouse-No Rail	296.80	1000sqft	6.81	296,800.00	0
Other Asphalt Surfaces	1.55	Acre	1.55	67,518.00	0
Parking Lot	627.00	1000sqft	14.39	626,995.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

Project Characteristics - Based on the 2019 SCE Sustainability Report.

Land Use - Based on applicant provided information.

Construction Phase - Based on applicant provided information.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - Based on applicant provided information.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults.

Grading - Cut 139,305 cy

Fill 103,261 cy

export 36,042 cy

Demolition - Based on demolition plan for the project. Assumes 36,410 SF of building demo, 965,465 SF of asphalt, 76,330 SF of concrete, and 84,673 SF of landscaping removed.

Trips and VMT - CalEEMod defaults. Odd trips rounded up to account for whole round trips.

On-road Fugitive Dust - CalEEMod defaults.

Architectural Coating - In accordance with SCAQMD Rule 1113.

Vehicle Trips - Calculated outside of CalEEMod.

Consumer Products - CalEEMod defaults.

Area Coating - In accordance with SCAQMD Rule 1113.

Landscape Equipment - CalEEMod defaults.

Energy Use - In accordance with 2019 Title 24 standards.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Operational Off-Road Equipment - Based on offroad equipment for warehouse projects.

Construction Off-road Equipment Mitigation - In accordance with SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	35.00	68.00

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

tblConstructionPhase	PhaseEndDate	1/26/2024	3/13/2024
tblEnergyUse	LightingElect	3.66	3.44
tblEnergyUse	T24E	3.07	2.74
tblEnergyUse	T24E	0.37	0.33
tblEnergyUse	T24NG	2.00	1.98
tblGrading	MaterialExported	0.00	36,042.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	5.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperHorsePower	124.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	2.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	16.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblTripsAndVMT	HaulingTripNumber	2,255.00	2,256.00
tblTripsAndVMT	HaulingTripNumber	4,505.00	4,506.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblVehicleTrips	ST_TR	2.49	0.00

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	7.3724	100.2754	51.8839	0.1756	18.2931	3.1078	20.3398	9.9914	2.8621	11.8744	0.0000	17,876.1569	17,876.1569	3.6337	0.0000	17,966.9996
2022	6.4852	86.1924	48.0565	0.1746	11.4247	2.5813	14.0060	4.3189	2.3773	6.6962	0.0000	17,782.2057	17,782.2057	3.6256	0.0000	17,872.8455
2023	73.5645	29.0933	35.0672	0.1230	6.9455	0.7553	7.7007	1.8707	0.7101	2.5808	0.0000	12,474.9566	12,474.9566	1.0145	0.0000	12,500.3183
2024	73.5322	1.7177	4.6312	0.0134	1.1657	0.0691	1.2348	0.3097	0.0684	0.3782	0.0000	1,331.0616	1,331.0616	0.0427	0.0000	1,332.1301
Maximum	73.5645	100.2754	51.8839	0.1756	18.2931	3.1078	20.3398	9.9914	2.8621	11.8744	0.0000	17,876.1569	17,876.1569	3.6337	0.0000	17,966.9996

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

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					
2021	7.3724	100.2754	51.8839	0.1756	8.8389	3.1078	11.6981	4.5295	2.8621	6.4126	0.0000	17,876.1568	17,876.1568	3.6337	0.0000	17,966.9996
2022	6.4852	86.1924	48.0565	0.1746	6.9455	2.5813	9.1859	2.3332	2.3773	4.7106	0.0000	17,782.2056	17,782.2056	3.6256	0.0000	17,872.8455
2023	73.5645	29.0933	35.0672	0.1230	6.9455	0.7553	7.7007	1.8707	0.7101	2.5808	0.0000	12,474.9566	12,474.9566	1.0145	0.0000	12,500.3183
2024	73.5322	1.7177	4.6312	0.0134	1.1657	0.0691	1.2348	0.3097	0.0684	0.3782	0.0000	1,331.0616	1,331.0616	0.0427	0.0000	1,332.1301
Maximum	73.5645	100.2754	51.8839	0.1756	8.8389	3.1078	11.6981	4.5295	2.8621	6.4126	0.0000	17,876.1568	17,876.1568	3.6337	0.0000	17,966.9996

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	36.83	0.00	31.10	45.16	0.00	34.59	0.00	0.00	0.00	0.00	0.00	0.00

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.7983	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004		0.2664
Energy	0.0399	0.3629	0.3049	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.5151	435.5151	8.3500e-003	7.9800e-003	438.1031
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	1.9003	23.7414	38.3858	0.0627		0.7342	0.7342		0.6755	0.6755		6,070.3149	6,070.3149	1.9633		6,119.3965
Total	13.7386	24.1054	38.8072	0.0649	0.0000	0.7622	0.7622	0.0000	0.7035	0.7035		6,506.0801	6,506.0801	1.9723	7.9800e-003	6,557.7660

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

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	lb/day										lb/day					
Area	11.7983	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004		0.2664
Energy	0.0399	0.3629	0.3049	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.5151	435.5151	8.3500e-003	7.9800e-003	438.1031
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	1.9003	23.7414	38.3858	0.0627		0.7342	0.7342		0.6755	0.6755		6,070.3149	6,070.3149	1.9633		6,119.3965
Total	13.7386	24.1054	38.8072	0.0649	0.0000	0.7622	0.7622	0.0000	0.7035	0.7035		6,506.0801	6,506.0801	1.9723	7.9800e-003	6,557.7660

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

3.0 Construction Detail

Construction Phase

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/4/2021	11/12/2021	5	30	
2	Site Preparation	Site Preparation	11/13/2021	12/10/2021	5	20	
3	Grading	Grading	12/11/2021	2/11/2022	5	45	
4	Building Construction	Building Construction	2/12/2022	10/20/2023	5	440	
5	Paving	Paving	10/21/2023	12/8/2023	5	35	
6	Architectural Coating	Architectural Coating	12/9/2023	3/13/2024	5	68	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 15.94

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 771,404; Non-Residential Outdoor: 257,135; Striped Parking Area: 41,671 (Architectural Coating – sqft)

OffRoad Equipment

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	5	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	102.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	508.00	198.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	16.00	4.00	2,256.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	4.00	4,506.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.2675	0.0000	16.2675	2.4631	0.0000	2.4631			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	16.2675	1.5513	17.8189	2.4631	1.4411	3.9041		3,747.9449	3,747.9449	1.0549		3,774.3174

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5612	19.2510	4.3232	0.0566	1.3140	0.0599	1.3739	0.3601	0.0573	0.4174		6,122.7488	6,122.7488	0.4338		6,133.5926
Vendor	0.0117	0.3803	0.1013	9.9000e-004	0.0256	7.9000e-004	0.0264	7.3700e-003	7.6000e-004	8.1300e-003		105.8201	105.8201	7.0800e-003		105.9971
Worker	0.0738	0.0480	0.5417	1.6600e-003	0.1788	1.3200e-003	0.1802	0.0474	1.2100e-003	0.0486		165.7069	165.7069	4.4400e-003		165.8179
Total	0.6467	19.6792	4.9662	0.0592	1.5185	0.0620	1.5805	0.4149	0.0593	0.4742		6,394.2758	6,394.2758	0.4453		6,405.4076

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.3204	0.0000	7.3204	1.1084	0.0000	1.1084			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	7.3204	1.5513	8.8717	1.1084	1.4411	2.5495	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5612	19.2510	4.3232	0.0566	1.3140	0.0599	1.3739	0.3601	0.0573	0.4174		6,122.7488	6,122.7488	0.4338		6,133.5926
Vendor	0.0117	0.3803	0.1013	9.9000e-004	0.0256	7.9000e-004	0.0264	7.3700e-003	7.6000e-004	8.1300e-003		105.8201	105.8201	7.0800e-003		105.9971
Worker	0.0738	0.0480	0.5417	1.6600e-003	0.1788	1.3200e-003	0.1802	0.0474	1.2100e-003	0.0486		165.7069	165.7069	4.4400e-003		165.8179
Total	0.6467	19.6792	4.9662	0.0592	1.5185	0.0620	1.5805	0.4149	0.0593	0.4742		6,394.2758	6,394.2758	0.4453		6,405.4076

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0117	0.3803	0.1013	9.9000e-004	0.0256	7.9000e-004	0.0264	7.3700e-003	7.6000e-004	8.1300e-003		105.8201	105.8201	7.0800e-003		105.9971
Worker	0.0830	0.0539	0.6094	1.8700e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		186.4202	186.4202	5.0000e-003		186.5451
Total	0.0947	0.4342	0.7107	2.8600e-003	0.2268	2.2700e-003	0.2291	0.0607	2.1200e-003	0.0629		292.2403	292.2403	0.0121		292.5422

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	8.1298	2.0445	10.1743	4.4688	1.8809	6.3497	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

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3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0117	0.3803	0.1013	9.9000e-004	0.0256	7.9000e-004	0.0264	7.3700e-003	7.6000e-004	8.1300e-003		105.8201	105.8201	7.0800e-003		105.9971
Worker	0.0830	0.0539	0.6094	1.8700e-003	0.2012	1.4800e-003	0.2027	0.0534	1.3600e-003	0.0547		186.4202	186.4202	5.0000e-003		186.5451
Total	0.0947	0.4342	0.7107	2.8600e-003	0.2268	2.2700e-003	0.2291	0.0607	2.1200e-003	0.0629		292.2403	292.2403	0.0121		292.5422

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.7639	0.0000	8.7639	3.6102	0.0000	3.6102			0.0000			0.0000
Off-Road	6.5212	74.2014	45.3489	0.0972		3.0256	3.0256		2.7836	2.7836		9,410.3941	9,410.3941	3.0435		9,486.4819
Total	6.5212	74.2014	45.3489	0.0972	8.7639	3.0256	11.7895	3.6102	2.7836	6.3938		9,410.3941	9,410.3941	3.0435		9,486.4819

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3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7473	25.6338	5.7566	0.0753	4.3975	0.0797	4.4772	1.1294	0.0763	1.2057		8,152.809 2	8,152.809 2	0.5776		8,167.248 3
Vendor	0.0117	0.3803	0.1013	9.9000e-004	0.0256	7.9000e-004	0.0264	7.3700e-003	7.6000e-004	8.1300e-003		105.8201	105.8201	7.0800e-003		105.9971
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	0.8512	26.0741	6.5350	0.0784	4.6466	0.0822	4.7288	1.1961	0.0786	1.2746		8,465.762 8	8,465.762 8	0.5902		8,480.517 7

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9438	0.0000	3.9438	1.6246	0.0000	1.6246			0.0000			0.0000
Off-Road	6.5212	74.2014	45.3489	0.0972		3.0256	3.0256		2.7836	2.7836	0.0000	9,410.394 0	9,410.394 0	3.0435		9,486.481 9
Total	6.5212	74.2014	45.3489	0.0972	3.9438	3.0256	6.9694	1.6246	2.7836	4.4082	0.0000	9,410.394 0	9,410.394 0	3.0435		9,486.481 9

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3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7473	25.6338	5.7566	0.0753	4.3975	0.0797	4.4772	1.1294	0.0763	1.2057		8,152.809 2	8,152.809 2	0.5776		8,167.248 3
Vendor	0.0117	0.3803	0.1013	9.9000e-004	0.0256	7.9000e-004	0.0264	7.3700e-003	7.6000e-004	8.1300e-003		105.8201	105.8201	7.0800e-003		105.9971
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	0.8512	26.0741	6.5350	0.0784	4.6466	0.0822	4.7288	1.1961	0.0786	1.2746		8,465.762 8	8,465.762 8	0.5902		8,480.517 7

3.4 Grading - 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					
Fugitive Dust					8.7639	0.0000	8.7639	3.6102	0.0000	3.6102			0.0000			0.0000
Off-Road	5.6777	62.1200	41.6586	0.0973		2.5104	2.5104		2.3096	2.3096		9,422.261 7	9,422.261 7	3.0474		9,498.445 5
Total	5.6777	62.1200	41.6586	0.0973	8.7639	2.5104	11.2743	3.6102	2.3096	5.9198		9,422.261 7	9,422.261 7	3.0474		9,498.445 5

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3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7097	23.6576	5.6771	0.0743	2.4116	0.0686	2.4802	0.6420	0.0656	0.7076		8,055.3590	8,055.3590	0.5664		8,069.5194
Vendor	0.0110	0.3607	0.0958	9.8000e-004	0.0256	6.9000e-004	0.0263	7.3700e-003	6.6000e-004	8.0300e-003		104.8777	104.8777	6.8100e-003		105.0480
Worker	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	0.8075	24.0724	6.3979	0.0773	2.6608	0.0709	2.7317	0.7086	0.0678	0.7764		8,359.9439	8,359.9439	0.5782		8,374.4000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9438	0.0000	3.9438	1.6246	0.0000	1.6246			0.0000			0.0000
Off-Road	5.6777	62.1200	41.6586	0.0973		2.5104	2.5104		2.3096	2.3096	0.0000	9,422.2617	9,422.2617	3.0474		9,498.4455
Total	5.6777	62.1200	41.6586	0.0973	3.9438	2.5104	6.4542	1.6246	2.3096	3.9342	0.0000	9,422.2617	9,422.2617	3.0474		9,498.4455

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3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7097	23.6576	5.6771	0.0743	2.4116	0.0686	2.4802	0.6420	0.0656	0.7076		8,055.3590	8,055.3590	0.5664		8,069.5194
Vendor	0.0110	0.3607	0.0958	9.8000e-004	0.0256	6.9000e-004	0.0263	7.3700e-003	6.6000e-004	8.0300e-003		104.8777	104.8777	6.8100e-003		105.0480
Worker	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	0.8075	24.0724	6.3979	0.0773	2.6608	0.0709	2.7317	0.7086	0.0678	0.7764		8,359.9439	8,359.9439	0.5782		8,374.4000

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5441	17.8540	4.7420	0.0486	1.2672	0.0340	1.3013	0.3648	0.0326	0.3974		5,191.4456	5,191.4456	0.3372		5,199.8745
Worker	2.2033	1.3748	15.8737	0.0509	5.6782	0.0406	5.7188	1.5059	0.0374	1.5433		5,072.5655	5,072.5655	0.1273		5,075.7488
Total	2.7474	19.2288	20.6156	0.0995	6.9455	0.0746	7.0201	1.8707	0.0699	1.9407		10,264.0112	10,264.0112	0.4645		10,275.6233

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.5441	17.8540	4.7420	0.0486	1.2672	0.0340	1.3013	0.3648	0.0326	0.3974		5,191.4456	5,191.4456	0.3372		5,199.8745
Worker	2.2033	1.3748	15.8737	0.0509	5.6782	0.0406	5.7188	1.5059	0.0374	1.5433		5,072.5655	5,072.5655	0.1273		5,075.7488
Total	2.7474	19.2288	20.6156	0.0995	6.9455	0.0746	7.0201	1.8707	0.0699	1.9407		10,264.0112	10,264.0112	0.4645		10,275.6233

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4061	13.4649	4.1930	0.0471	1.2672	0.0160	1.2832	0.3648	0.0153	0.3801		5,036.3608	5,036.3608	0.2919		5,043.6584
Worker	2.0780	1.2435	14.6301	0.0490	5.6782	0.0395	5.7178	1.5059	0.0364	1.5423		4,883.3859	4,883.3859	0.1147		4,886.2539
Total	2.4841	14.7085	18.8232	0.0961	6.9455	0.0555	7.0010	1.8707	0.0517	1.9224		9,919.7467	9,919.7467	0.4066		9,929.9122

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4061	13.4649	4.1930	0.0471	1.2672	0.0160	1.2832	0.3648	0.0153	0.3801		5,036.3608	5,036.3608	0.2919		5,043.6584
Worker	2.0780	1.2435	14.6301	0.0490	5.6782	0.0395	5.7178	1.5059	0.0364	1.5423		4,883.3859	4,883.3859	0.1147		4,886.2539
Total	2.4841	14.7085	18.8232	0.0961	6.9455	0.0555	7.0010	1.8707	0.0517	1.9224		9,919.7467	9,919.7467	0.4066		9,929.9122

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	1.1932					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2260	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.2000e-003	0.2720	0.0847	9.5000e-004	0.0256	3.2000e-004	0.0259	7.3700e-003	3.1000e-004	7.6800e-003		101.7447	101.7447	5.9000e-003		101.8921
Worker	0.0655	0.0392	0.4608	1.5400e-003	0.1788	1.2500e-003	0.1801	0.0474	1.1500e-003	0.0486		153.8074	153.8074	3.6100e-003		153.8978
Total	0.0737	0.3112	0.5455	2.4900e-003	0.2044	1.5700e-003	0.2060	0.0548	1.4600e-003	0.0563		255.5521	255.5521	9.5100e-003		255.7899

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	1.1932					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2260	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

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3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.2000e-003	0.2720	0.0847	9.5000e-004	0.0256	3.2000e-004	0.0259	7.3700e-003	3.1000e-004	7.6800e-003		101.7447	101.7447	5.9000e-003		101.8921
Worker	0.0655	0.0392	0.4608	1.5400e-003	0.1788	1.2500e-003	0.1801	0.0474	1.1500e-003	0.0486		153.8074	153.8074	3.6100e-003		153.8978
Total	0.0737	0.3112	0.5455	2.4900e-003	0.2044	1.5700e-003	0.2060	0.0548	1.4600e-003	0.0563		255.5521	255.5521	9.5100e-003		255.7899

3.7 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	72.9474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	73.1391	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.2000e-003	0.2720	0.0847	9.5000e-004	0.0256	3.2000e-004	0.0259	7.3700e-003	3.1000e-004	7.6800e-003		101.7447	101.7447	5.9000e-003		101.8921
Worker	0.4172	0.2497	2.9375	9.8300e-003	1.1401	7.9400e-003	1.1481	0.3024	7.3100e-003	0.3097		980.5224	980.5224	0.0230		981.0982
Total	0.4254	0.5217	3.0223	0.0108	1.1657	8.2600e-003	1.1740	0.3097	7.6200e-003	0.3174		1,082.2670	1,082.2670	0.0289		1,082.9903

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	72.9474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	73.1391	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.2000e-003	0.2720	0.0847	9.5000e-004	0.0256	3.2000e-004	0.0259	7.3700e-003	3.1000e-004	7.6800e-003		101.7447	101.7447	5.9000e-003		101.8921
Worker	0.4172	0.2497	2.9375	9.8300e-003	1.1401	7.9400e-003	1.1481	0.3024	7.3100e-003	0.3097		980.5224	980.5224	0.0230		981.0982
Total	0.4254	0.5217	3.0223	0.0108	1.1657	8.2600e-003	1.1740	0.3097	7.6200e-003	0.3174		1,082.2670	1,082.2670	0.0289		1,082.9903

3.7 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	72.9474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	73.1282	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.0300e-003	0.2714	0.0823	9.5000e-004	0.0256	3.2000e-004	0.0259	7.3700e-003	3.0000e-004	7.6700e-003		101.3986	101.3986	5.8000e-003		101.5436
Worker	0.3961	0.2275	2.7388	9.5100e-003	1.1401	7.8400e-003	1.1480	0.3024	7.2100e-003	0.3096		948.2150	948.2150	0.0211		948.7422
Total	0.4041	0.4989	2.8211	0.0105	1.1657	8.1600e-003	1.1739	0.3097	7.5100e-003	0.3173		1,049.6136	1,049.6136	0.0269		1,050.2858

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	72.9474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	73.1282	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	8.0300e-003	0.2714	0.0823	9.5000e-004	0.0256	3.2000e-004	0.0259	7.3700e-003	3.0000e-004	7.6700e-003		101.3986	101.3986	5.8000e-003		101.5436
Worker	0.3961	0.2275	2.7388	9.5100e-003	1.1401	7.8400e-003	1.1480	0.3024	7.2100e-003	0.3096		948.2150	948.2150	0.0211		948.7422
Total	0.4041	0.4989	2.8211	0.0105	1.1657	8.1600e-003	1.1739	0.3097	7.5100e-003	0.3173		1,049.6136	1,049.6136	0.0269		1,050.2858

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Other Asphalt Surfaces	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Parking Lot	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845
Unrefrigerated Warehouse-No Rail	0.550809	0.042355	0.203399	0.115606	0.014562	0.005806	0.021810	0.035336	0.002134	0.001736	0.004891	0.000712	0.000845

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0399	0.3629	0.3049	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.5151	435.5151	8.3500e-003	7.9800e-003	438.1031
NaturalGas Unmitigated	0.0399	0.3629	0.3049	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.5151	435.5151	8.3500e-003	7.9800e-003	438.1031

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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					
Industrial Park	2067.45	0.0223	0.2027	0.1703	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.2288	243.2288	4.6600e-003	4.4600e-003	244.6742
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
Unrefrigerated Warehouse-No Rail	1634.43	0.0176	0.1602	0.1346	9.6000e-004		0.0122	0.0122		0.0122	0.0122		192.2862	192.2862	3.6900e-003	3.5300e-003	193.4289
Total		0.0399	0.3629	0.3049	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.5151	435.5151	8.3500e-003	7.9900e-003	438.1031

Oakmont Mission and Ramona Industrial Park-Response to Comment Only - South Coast AQMD Air District, Winter

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					
Industrial Park	2.06745	0.0223	0.2027	0.1703	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.2288	243.2288	4.6600e-003	4.4600e-003	244.6742
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
Unrefrigerated Warehouse-No Rail	1.63443	0.0176	0.1602	0.1346	9.6000e-004		0.0122	0.0122		0.0122	0.0122		192.2862	192.2862	3.6900e-003	3.5300e-003	193.4289
Total		0.0399	0.3629	0.3049	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.5151	435.5151	8.3500e-003	7.9900e-003	438.1031

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	11.7983	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004			0.2664
Unmitigated	11.7983	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004			0.2664

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	1.3590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	10.4285					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	0.0108	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004			0.2664
Total	11.7983	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004			0.2664

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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	1.3590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.4285					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0108	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004		0.2664
Total	11.7983	1.0600e-003	0.1165	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004		0.2501	0.2501	6.5000e-004		0.2664

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Off-Highway Tractors	24	4.00	365	200	0.44	Diesel
Rough Terrain Forklifts	16	8.00	365	100	0.40	Diesel

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UnMitigated/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
Equipment Type	lb/day										lb/day					
Off-Highway Tractors	0.2621	2.1377	1.7610	7.5500e-003		0.0763	0.0763		0.0702	0.0702		730.5355	730.5355	0.2363		736.4423
Rough Terrain Forklifts	1.6383	21.6037	36.6248	0.0552		0.6580	0.6580		0.6053	0.6053		5,339.7794	5,339.7794	1.7270		5,382.9542
Total	1.9003	23.7414	38.3858	0.0627		0.7342	0.7342		0.6755	0.6755		6,070.3149	6,070.3149	1.9633		6,119.3965

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation