

Initial Study and Mitigated Negative Declaration

Amazon Delivery Station DAX9 Project

Technical Appendices A – G

Prepared for

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APPENDICES

Appendix

- A Air Quality and Greenhouse Gas Emissions Modeling Data
- B Tree Inventory Report
- C Energy Data
- D Geotechnical Study
- E1 Phase I and Limited Phase II Environmental Site Assessments
- E2 Asbestos and Lead-Based Paint Survey Report
- F Noise Impact Analysis
- G Traffic Impact Study

Appendix A

Air Quality and Greenhouse Gas Emissions Modeling Data

West Covina Delivery - Los Angeles-South Coast County, Annual

West Covina Delivery
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	177.44	1000sqft	4.07	177,440.00	0
Parking Lot	818.00	Space	16.44	327,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	370.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing facility - repurposing
 CO2 intensity for SCE 2010
 Land Use - total site is 20.51 ac
 Construction Phase - Schedule based on Applicant overall schedule
 Off-road Equipment -
 Off-road Equipment - Not new construction
 Off-road Equipment - Minimal paving; mostly restriping
 Trips and VMT - Haul trip for demo debris
 Architectural Coating - VOC content for interior and exterior 50 g/L per SCAQMD rule 1113

Vehicle Trips - Trips per TIA

Area Coating - VOC per SCAQMD rule 1113

Water Mitigation -

Waste Mitigation -

Fleet Mix - Fleet mix based on TIA

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	370.00	131.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	PhaseEndDate	6/13/2023	6/15/2022
tblConstructionPhase	PhaseEndDate	4/18/2023	5/18/2022
tblConstructionPhase	PhaseEndDate	5/16/2023	5/25/2022
tblConstructionPhase	PhaseStartDate	5/17/2023	5/26/2022
tblConstructionPhase	PhaseStartDate	4/19/2023	5/19/2022
tblFleetMix	HHD	0.03	0.03
tblFleetMix	LDA	0.55	0.32
tblFleetMix	LDT1	0.04	0.28
tblFleetMix	LDT2	0.20	0.05
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	4.4000e-003
tblFleetMix	MDV	0.12	0.31
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00

tblFleetMix	UBUS	2.2010e-003	0.00
tblLandUse	LotAcreage	7.36	16.44
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	370.44
tblTripsAndVMT	HaulingTripNumber	0.00	35.00
tblTripsAndVMT	VendorTripNumber	83.00	10.00
tblTripsAndVMT	WorkerTripNumber	212.00	80.00
tblTripsAndVMT	WorkerTripNumber	3.00	4.00
tblTripsAndVMT	WorkerTripNumber	42.00	16.00
tblVehicleTrips	ST_TR	1.68	5.15
tblVehicleTrips	SU_TR	1.68	5.15
tblVehicleTrips	WD_TR	1.68	5.15

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	0.0301	0.2354	0.2436	5.2000e-004	0.0158	0.0114	0.0271	4.2000e-003	0.0108	0.0150			45.5792	6.6100e-003	0.0000	45.7445
2022	0.5619	0.6451	0.7255	1.5700e-003	0.0478	0.0297	0.0775	0.0128	0.0282	0.0410			137.5603	0.0196	0.0000	138.0512
Maximum	0.5619	0.6451	0.7255	1.5700e-003	0.0478	0.0297	0.0775	0.0128	0.0282	0.0410			137.5603	0.0196	0.0000	138.0512

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	0.0301	0.2354	0.2436	5.2000e-004	0.0158	0.0114	0.0271	4.2000e-003	0.0108	0.0150			45.5792	6.6100e-003	0.0000	45.7445
2022	0.5619	0.6451	0.7255	1.5700e-003	0.0478	0.0297	0.0775	0.0128	0.0282	0.0410			137.5602	0.0196	0.0000	138.0511
Maximum	0.5619	0.6451	0.7255	1.5700e-003	0.0478	0.0297	0.0775	0.0128	0.0282	0.0410			137.5602	0.0196	0.0000	138.0511

	ROG	NOx	CO	SO2	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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
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1	11-17-2021	2-16-2022	0.5029	0.5029
2	2-17-2022	5-16-2022	0.4614	0.4614
3	5-17-2022	8-16-2022	0.5050	0.5050
		Highest	0.5050	0.5050

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7092	1.2000e-004	0.0127	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005			0.0247	7.0000e-005	0.0000	0.0263
Energy	9.9000e-004	8.9600e-003	7.5300e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004			528.6954	0.0408	8.5800e-003	532.2738
Mobile	0.3931	1.5010	6.2367	0.0185	1.4646	0.0141	1.4788	0.3892	0.0131	0.4023			1,690.4094	0.0728	0.0000	1,692.2298
Waste						0.0000	0.0000		0.0000	0.0000			33.8569	2.0009	0.0000	83.8789
Water						0.0000	0.0000		0.0000	0.0000			102.7941	1.3441	0.0330	146.2378
Total	1.1033	1.5100	6.2570	0.0185	1.4646	0.0149	1.4795	0.3892	0.0138	0.4031			2,355.7804	3.4587	0.0416	2,454.6466

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7092	1.2000e-004	0.0127	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005			0.0247	7.0000e-005	0.0000	0.0263
Energy	9.9000e-004	8.9600e-003	7.5300e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004			528.6954	0.0408	8.5800e-003	532.2738

Mobile	0.3931	1.5010	6.2367	0.0185	1.4646	0.0141	1.4788	0.3892	0.0131	0.4023			1,690.4094	0.0728	0.0000	1,692.2298
Waste						0.0000	0.0000		0.0000	0.0000			16.9284	1.0004	0.0000	41.9395
Water						0.0000	0.0000		0.0000	0.0000			86.7582	1.1344	0.0279	123.4247
Total	1.1033	1.5100	6.2570	0.0185	1.4646	0.0149	1.4795	0.3892	0.0138	0.4031			2,322.8161	2.2486	0.0365	2,389.8940

	ROG	NOx	CO	SO2	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	1.40	34.99	12.40	2.64

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	11/17/2021	5/18/2022	5	131	
2	Paving	Paving	5/19/2022	5/25/2022	5	5	
3	Architectural Coating	Architectural Coating	5/26/2022	6/15/2022	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 16.44

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 266,160; Non-Residential Outdoor: 88,720; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	6	80.00	10.00	35.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0238	0.2134	0.1890	3.3000e-004		0.0112	0.0112		0.0106	0.0106			28.1223	5.9500e-003	0.0000	28.2712
Total	0.0238	0.2134	0.1890	3.3000e-004		0.0112	0.0112		0.0106	0.0106			28.1223	5.9500e-003	0.0000	28.2712

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.2200e-003	2.8000e-004	0.0000	2.4000e-004	0.0000	2.5000e-004	6.0000e-005	0.0000	7.0000e-005			0.3361	2.0000e-005	0.0000	0.3366
Vendor	5.1000e-004	0.0163	4.4100e-003	4.0000e-005	1.0400e-003	3.0000e-005	1.0700e-003	3.0000e-004	3.0000e-005	3.3000e-004			4.0672	2.5000e-004	0.0000	4.0734
Worker	5.6800e-003	4.4200e-003	0.0499	1.4000e-004	0.0145	1.2000e-004	0.0146	3.8400e-003	1.1000e-004	3.9500e-003			13.0537	3.8000e-004	0.0000	13.0633
Total	6.2300e-003	0.0219	0.0546	1.8000e-004	0.0157	1.5000e-004	0.0159	4.2000e-003	1.4000e-004	4.3500e-003			17.4570	6.5000e-004	0.0000	17.4734

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0238	0.2134	0.1890	3.3000e-004		0.0112	0.0112		0.0106	0.0106			28.1223	5.9500e-003	0.0000	28.2711
Total	0.0238	0.2134	0.1890	3.3000e-004		0.0112	0.0112		0.0106	0.0106			28.1223	5.9500e-003	0.0000	28.2711

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.2200e-003	2.8000e-004	0.0000	2.4000e-004	0.0000	2.5000e-004	6.0000e-005	0.0000	7.0000e-005			0.3361	2.0000e-005	0.0000	0.3366
Vendor	5.1000e-004	0.0163	4.4100e-003	4.0000e-005	1.0400e-003	3.0000e-005	1.0700e-003	3.0000e-004	3.0000e-005	3.3000e-004			4.0672	2.5000e-004	0.0000	4.0734
Worker	5.6800e-003	4.4200e-003	0.0499	1.4000e-004	0.0145	1.2000e-004	0.0146	3.8400e-003	1.1000e-004	3.9500e-003			13.0537	3.8000e-004	0.0000	13.0633
Total	6.2300e-003	0.0219	0.0546	1.8000e-004	0.0157	1.5000e-004	0.0159	4.2000e-003	1.4000e-004	4.3500e-003			17.4570	6.5000e-004	0.0000	17.4734

3.2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0639	0.5698	0.5534	9.8000e-004		0.0285	0.0285		0.0270	0.0270			83.5314	0.0175	0.0000	83.9688
Total	0.0639	0.5698	0.5534	9.8000e-004		0.0285	0.0285		0.0270	0.0270			83.5314	0.0175	0.0000	83.9688

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.3600e-003	8.4000e-004	1.0000e-005	2.8000e-004	1.0000e-005	2.9000e-004	8.0000e-005	1.0000e-005	8.0000e-005			0.9861	7.0000e-005	0.0000	0.9878
Vendor	1.4300e-003	0.0459	0.0124	1.2000e-004	3.0900e-003	9.0000e-005	3.1700e-003	8.9000e-004	8.0000e-005	9.7000e-004			11.9722	7.2000e-004	0.0000	11.9901
Worker	0.0158	0.0119	0.1366	4.1000e-004	0.0430	3.4000e-004	0.0433	0.0114	3.2000e-004	0.0117			37.4029	1.0300e-003	0.0000	37.4286
Total	0.0174	0.0612	0.1498	5.4000e-004	0.0463	4.4000e-004	0.0468	0.0124	4.1000e-004	0.0128			50.3612	1.8200e-003	0.0000	50.4066

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0639	0.5698	0.5534	9.8000e-004		0.0285	0.0285		0.0270	0.0270			83.5313	0.0175	0.0000	83.9687
Total	0.0639	0.5698	0.5534	9.8000e-004		0.0285	0.0285		0.0270	0.0270			83.5313	0.0175	0.0000	83.9687

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-004	3.3600e-003	8.4000e-004	1.0000e-005	2.8000e-004	1.0000e-005	2.9000e-004	8.0000e-005	1.0000e-005	8.0000e-005			0.9861	7.0000e-005	0.0000	0.9878
Vendor	1.4300e-003	0.0459	0.0124	1.2000e-004	3.0900e-003	9.0000e-005	3.1700e-003	8.9000e-004	8.0000e-005	9.7000e-004			11.9722	7.2000e-004	0.0000	11.9901
Worker	0.0158	0.0119	0.1366	4.1000e-004	0.0430	3.4000e-004	0.0433	0.0114	3.2000e-004	0.0117			37.4029	1.0300e-003	0.0000	37.4286
Total	0.0174	0.0612	0.1498	5.4000e-004	0.0463	4.4000e-004	0.0468	0.0124	4.1000e-004	0.0128			50.3612	1.8200e-003	0.0000	50.4066

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1000e-004	3.1400e-003	4.2000e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.6000e-004	1.6000e-004			0.5124	1.7000e-004	0.0000	0.5165
Paving	0.0215					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0219	3.1400e-003	4.2000e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.6000e-004	1.6000e-004			0.5124	1.7000e-004	0.0000	0.5165

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005			0.0954	0.0000	0.0000	0.0955
Total	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005			0.0954	0.0000	0.0000	0.0955

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1000e-004	3.1400e-003	4.2000e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.6000e-004	1.6000e-004			0.5124	1.7000e-004	0.0000	0.5165
Paving	0.0215					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0219	3.1400e-003	4.2000e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.6000e-004	1.6000e-004			0.5124	1.7000e-004	0.0000	0.5165

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005			0.0954	0.0000	0.0000	0.0955
Total	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005			0.0954	0.0000	0.0000	0.0955

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4567					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.5300e-003	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004			1.9149	1.2000e-004	0.0000	1.9181
Total	0.4582	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004			1.9149	1.2000e-004	0.0000	1.9181

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.6000e-004	4.1800e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004			1.1450	3.0000e-005	0.0000	1.1458
Total	4.8000e-004	3.6000e-004	4.1800e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004			1.1450	3.0000e-005	0.0000	1.1458

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4567					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.5300e-003	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004			1.9149	1.2000e-004	0.0000	1.9181
Total	0.4582	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004			1.9149	1.2000e-004	0.0000	1.9181

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.6000e-004	4.1800e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004			1.1450	3.0000e-005	0.0000	1.1458
Total	4.8000e-004	3.6000e-004	4.1800e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004			1.1450	3.0000e-005	0.0000	1.1458

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3931	1.5010	6.2367	0.0185	1.4646	0.0141	1.4788	0.3892	0.0131	0.4023			1,690.4094	0.0728	0.0000	1,692.2298
Unmitigated	0.3931	1.5010	6.2367	0.0185	1.4646	0.0141	1.4788	0.3892	0.0131	0.4023			1,690.4094	0.0728	0.0000	1,692.2298

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	913.82	913.82	913.82	3,916,357	3,916,357
Total	913.82	913.82	913.82	3,916,357	3,916,357

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Refrigerated Warehouse-No Rail	0.324900	0.280100	0.049200	0.310700	0.000000	0.000000	0.000000	0.030600	0.000000	0.000000	0.004400	0.000000	0.000000

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			518.9424	0.0406	8.4100e-003	522.4629
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000			518.9424	0.0406	8.4100e-003	522.4629
NaturalGas Mitigated	9.9000e-004	8.9600e-003	7.5300e-003	5.0000e-005			6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004			9.7529	1.9000e-004	1.8000e-004	9.8109
NaturalGas Unmitigated	9.9000e-004	8.9600e-003	7.5300e-003	5.0000e-005			6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004			9.7529	1.9000e-004	1.8000e-004	9.8109

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						
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
Refrigerated Warehouse-No Fuel	182763	9.9000e-004	8.9600e-003	7.5300e-003	5.0000e-005			6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004			9.7529	1.9000e-004	1.8000e-004	9.8109
Total		9.9000e-004	8.9600e-003	7.5300e-003	5.0000e-005			6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004			9.7529	1.9000e-004	1.8000e-004	9.8109

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Refrigerated Warehouse-No Cool	182763	9.9000e-004	8.9600e-003	7.5300e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004			9.7529	1.9000e-004	1.8000e-004	9.8109
Total		9.9000e-004	8.9600e-003	7.5300e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004			9.7529	1.9000e-004	1.8000e-004	9.8109

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	114520	19.2427	1.5100e-003	3.1000e-004	19.3732
Refrigerated Warehouse-No Cool	2.97389e+006	499.6998	0.0391	8.0900e-003	503.0897
Total		518.9424	0.0406	8.4000e-003	522.4629

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	114520	19.2427	1.5100e-003	3.1000e-004	19.3732
Refrigerated Warehouse-No 006	2.97389e+006	499.6998	0.0391	8.0900e-003	503.0897
Total		518.9424	0.0406	8.4000e-003	522.4629

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7092	1.2000e-004	0.0127	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005			0.0247	7.0000e-005	0.0000	0.0263
Unmitigated	0.7092	1.2000e-004	0.0127	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005			0.0247	7.0000e-005	0.0000	0.0263

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	0.0457					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6623					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	1.1800e-003	1.2000e-004	0.0127	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005			0.0247	7.0000e-005	0.0000	0.0263
Total	0.7092	1.2000e-004	0.0127	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005			0.0247	7.0000e-005	0.0000	0.0263

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	0.0457					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6623					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	1.1800e-003	1.2000e-004	0.0127	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005			0.0247	7.0000e-005	0.0000	0.0263
Total	0.7092	1.2000e-004	0.0127	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005			0.0247	7.0000e-005	0.0000	0.0263

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	86.7582	1.1344	0.0279	123.4247
Unmitigated	102.7941	1.3441	0.0330	146.2378

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No	41.033 / 0	102.7941	1.3441	0.0330	146.2378
Total		102.7941	1.3441	0.0330	146.2378

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No	34.6319 / 0	86.7582	1.1344	0.0279	123.4247
Total		86.7582	1.1344	0.0279	123.4247

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	16.9284	1.0004	0.0000	41.9395
Unmitigated	33.8569	2.0009	0.0000	83.8789

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No	166.79	33.8569	2.0009	0.0000	83.8789
Total		33.8569	2.0009	0.0000	83.8789

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No	83.395	16.9284	1.0004	0.0000	41.9395
Total		16.9284	1.0004	0.0000	41.9395

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

West Covina Delivery - Los Angeles-South Coast County, Summer

West Covina Delivery
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	177.44	1000sqft	4.07	177,440.00	0
Parking Lot	818.00	Space	16.44	327,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	370.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing facility - repurposing
 CO2 intensity for SCE 2010
 Land Use - total site is 20.51 ac
 Construction Phase - Schedule based on Applicant overall schedule
 Off-road Equipment -
 Off-road Equipment - Not new construction
 Off-road Equipment - Minimal paving; mostly restriping
 Trips and VMT - Haul trip for demo debris
 Architectural Coating - VOC content for interior and exterior 50 g/L per SCAQMD rule 1113

Vehicle Trips - Trips per TIA

Area Coating - VOC per SCAQMD rule 1113

Water Mitigation -

Waste Mitigation -

Fleet Mix - Fleet mix based on TIA

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	370.00	131.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	PhaseEndDate	6/13/2023	6/15/2022
tblConstructionPhase	PhaseEndDate	4/18/2023	5/18/2022
tblConstructionPhase	PhaseEndDate	5/16/2023	5/25/2022
tblConstructionPhase	PhaseStartDate	5/17/2023	5/26/2022
tblConstructionPhase	PhaseStartDate	4/19/2023	5/19/2022
tblFleetMix	HHD	0.03	0.03
tblFleetMix	LDA	0.55	0.32
tblFleetMix	LDT1	0.04	0.28
tblFleetMix	LDT2	0.20	0.05
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	4.4000e-003
tblFleetMix	MDV	0.12	0.31
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00

tblFleetMix	UBUS	2.2010e-003	0.00
tblLandUse	LotAcreage	7.36	16.44
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	370.44
tblTripsAndVMT	HaulingTripNumber	0.00	35.00
tblTripsAndVMT	VendorTripNumber	83.00	10.00
tblTripsAndVMT	WorkerTripNumber	212.00	80.00
tblTripsAndVMT	WorkerTripNumber	3.00	4.00
tblTripsAndVMT	WorkerTripNumber	42.00	16.00
tblVehicleTrips	ST_TR	1.68	5.15
tblVehicleTrips	SU_TR	1.68	5.15
tblVehicleTrips	WD_TR	1.68	5.15

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	1.8194	14.2136	14.9447	0.0319	0.9734	0.6888	1.6622	0.2594	0.6531	0.9125			3,087.2694	0.4424	0.0000	3,098.3296
2022	61.1640	12.8312	14.5229	0.0315	0.9641	0.5904	1.5545	0.2572	0.5601	0.8172			3,052.9378	0.4350	0.0000	3,063.8123
Maximum	61.1640	14.2136	14.9447	0.0319	0.9734	0.6888	1.6622	0.2594	0.6531	0.9125			3,087.2694	0.4424	0.0000	3,098.3296

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	1.8194	14.2136	14.9447	0.0319	0.9734	0.6888	1.6622	0.2594	0.6531	0.9125			3,087.2694	0.4424	0.0000	3,098.3296
2022	61.1640	12.8312	14.5229	0.0315	0.9641	0.5904	1.5545	0.2572	0.5601	0.8172			3,052.9378	0.4350	0.0000	3,063.8123
Maximum	61.1640	14.2136	14.9447	0.0319	0.9734	0.6888	1.6622	0.2594	0.6531	0.9125			3,087.2694	0.4424	0.0000	3,098.3296

	ROG	NOx	CO	SO2	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

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	3.8889	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322
Energy	5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584
Mobile	2.2942	7.7835	35.9810	0.1057	8.2082	0.0776	8.2858	2.1780	0.0720	2.2500			10,650.2684	0.4496		10,661.5073
Total	6.1886	7.8335	36.1241	0.1060	8.2082	0.0817	8.2899	2.1780	0.0761	2.2541			10,709.3946	0.4513	1.0800e-003	10,720.9979

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	3.8889	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322
Energy	5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584
Mobile	2.2942	7.7835	35.9810	0.1057	8.2082	0.0776	8.2858	2.1780	0.0720	2.2500			10,650.2684	0.4496		10,661.5073
Total	6.1886	7.8335	36.1241	0.1060	8.2082	0.0817	8.2899	2.1780	0.0761	2.2541			10,709.3946	0.4513	1.0800e-003	10,720.9979

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	11/17/2021	5/18/2022	5	131	
2	Paving	Paving	5/19/2022	5/25/2022	5	5	
3	Architectural Coating	Architectural Coating	5/26/2022	6/15/2022	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 16.44

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 266,160; Non-Residential Outdoor: 88,720; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	6	80.00	10.00	35.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4439	12.9353	11.4519	0.0200		0.6793	0.6793		0.6443	0.6443			1,878.7579	0.3978		1,888.7038
Total	1.4439	12.9353	11.4519	0.0200		0.6793	0.6793		0.6443	0.6443			1,878.7579	0.3978		1,888.7038

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2300e-003	0.0717	0.0168	2.1000e-004	0.0152	2.2000e-004	0.0154	3.8600e-003	2.1000e-004	4.0700e-003			22.6150	1.5300e-003		22.6534
Vendor	0.0304	0.9709	0.2538	2.5700e-003	0.0640	1.9900e-003	0.0660	0.0184	1.9000e-003	0.0203			274.8806	0.0162		275.2855
Worker	0.3429	0.2357	3.2222	9.1500e-003	0.8942	7.2300e-003	0.9014	0.2372	6.6600e-003	0.2438			911.0159	0.0268		911.6870
Total	0.3756	1.2783	3.4928	0.0119	0.9734	9.4400e-003	0.9828	0.2594	8.7700e-003	0.2682			1,208.5115	0.0446		1,209.6258

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4439	12.9353	11.4519	0.0200		0.6793	0.6793		0.6443	0.6443			1,878.7579	0.3978		1,888.7038
Total	1.4439	12.9353	11.4519	0.0200		0.6793	0.6793		0.6443	0.6443			1,878.7579	0.3978		1,888.7038

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2300e-003	0.0717	0.0168	2.1000e-004	0.0152	2.2000e-004	0.0154	3.8600e-003	2.1000e-004	4.0700e-003			22.6150	1.5300e-003		22.6534
Vendor	0.0304	0.9709	0.2538	2.5700e-003	0.0640	1.9900e-003	0.0660	0.0184	1.9000e-003	0.0203			274.8806	0.0162		275.2855
Worker	0.3429	0.2357	3.2222	9.1500e-003	0.8942	7.2300e-003	0.9014	0.2372	6.6600e-003	0.2438			911.0159	0.0268		911.6870
Total	0.3756	1.2783	3.4928	0.0119	0.9734	9.4400e-003	0.9828	0.2594	8.7700e-003	0.2682			1,208.5115	0.0446		1,209.6258

3.2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3044	11.6284	11.2933	0.0200		0.5814	0.5814		0.5518	0.5518			1,879.1346	0.3936		1,888.9739
Total	1.3044	11.6284	11.2933	0.0200		0.5814	0.5814		0.5518	0.5518			1,879.1346	0.3936		1,888.9739

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.1200e-003	0.0666	0.0166	2.1000e-004	5.8600e-003	1.9000e-004	6.0500e-003	1.5700e-003	1.8000e-004	1.7600e-003			22.3475	1.5100e-003		22.3853
Vendor	0.0285	0.9233	0.2402	2.5500e-003	0.0640	1.7400e-003	0.0658	0.0184	1.6600e-003	0.0201			272.4859	0.0156		272.8768
Worker	0.3212	0.2129	2.9728	8.8200e-003	0.8942	7.0000e-003	0.9012	0.2372	6.4500e-003	0.2436			878.9699	0.0243		879.5764
Total	0.3519	1.2028	3.2296	0.0116	0.9641	8.9300e-003	0.9730	0.2572	8.2900e-003	0.2655			1,173.8032	0.0414		1,174.8385

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3044	11.6284	11.2933	0.0200		0.5814	0.5814		0.5518	0.5518			1,879.1346	0.3936		1,888.9739
Total	1.3044	11.6284	11.2933	0.0200		0.5814	0.5814		0.5518	0.5518			1,879.1346	0.3936		1,888.9739

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.1200e-003	0.0666	0.0166	2.1000e-004	5.8600e-003	1.9000e-004	6.0500e-003	1.5700e-003	1.8000e-004	1.7600e-003			22.3475	1.5100e-003		22.3853
Vendor	0.0285	0.9233	0.2402	2.5500e-003	0.0640	1.7400e-003	0.0658	0.0184	1.6600e-003	0.0201			272.4859	0.0156		272.8768
Worker	0.3212	0.2129	2.9728	8.8200e-003	0.8942	7.0000e-003	0.9012	0.2372	6.4500e-003	0.2436			878.9699	0.0243		879.5764
Total	0.3519	1.2028	3.2296	0.0116	0.9641	8.9300e-003	0.9730	0.2572	8.2900e-003	0.2655			1,173.8032	0.0414		1,174.8385

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1235	1.2567	1.6785	2.3300e-003		0.0676	0.0676		0.0622	0.0622			225.9292	0.0731		227.7560
Paving	8.6146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.7381	1.2567	1.6785	2.3300e-003		0.0676	0.0676		0.0622	0.0622			225.9292	0.0731		227.7560

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0161	0.0107	0.1486	4.4000e-004	0.0447	3.5000e-004	0.0451	0.0119	3.2000e-004	0.0122			43.9485	1.2100e-003		43.9788
Total	0.0161	0.0107	0.1486	4.4000e-004	0.0447	3.5000e-004	0.0451	0.0119	3.2000e-004	0.0122			43.9485	1.2100e-003		43.9788

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1235	1.2567	1.6785	2.3300e-003		0.0676	0.0676		0.0622	0.0622			225.9292	0.0731		227.7560
Paving	8.6146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.7381	1.2567	1.6785	2.3300e-003		0.0676	0.0676		0.0622	0.0622			225.9292	0.0731		227.7560

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0161	0.0107	0.1486	4.4000e-004	0.0447	3.5000e-004	0.0451	0.0119	3.2000e-004	0.0122			43.9485	1.2100e-003		43.9788
Total	0.0161	0.0107	0.1486	4.4000e-004	0.0447	3.5000e-004	0.0451	0.0119	3.2000e-004	0.0122			43.9485	1.2100e-003		43.9788

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	60.8953					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817			281.4481	0.0183		281.9062
Total	61.0998	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817			281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0642	0.0426	0.5946	1.7600e-003	0.1788	1.4000e-003	0.1802	0.0474	1.2900e-003	0.0487			175.7940	4.8500e-003		175.9153
Total	0.0642	0.0426	0.5946	1.7600e-003	0.1788	1.4000e-003	0.1802	0.0474	1.2900e-003	0.0487			175.7940	4.8500e-003		175.9153

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	60.8953					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817			281.4481	0.0183		281.9062
Total	61.0998	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817			281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0642	0.0426	0.5946	1.7600e-003	0.1788	1.4000e-003	0.1802	0.0474	1.2900e-003	0.0487			175.7940	4.8500e-003		175.9153
Total	0.0642	0.0426	0.5946	1.7600e-003	0.1788	1.4000e-003	0.1802	0.0474	1.2900e-003	0.0487			175.7940	4.8500e-003		175.9153

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2942	7.7835	35.9810	0.1057	8.2082	0.0776	8.2858	2.1780	0.0720	2.2500			10,650.2684	0.4496		10,661.5073
Unmitigated	2.2942	7.7835	35.9810	0.1057	8.2082	0.0776	8.2858	2.1780	0.0720	2.2500			10,650.2684	0.4496		10,661.5073

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	913.82	913.82	913.82	3,916,357	3,916,357
Total	913.82	913.82	913.82	3,916,357	3,916,357

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-***	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Refrigerated Warehouse-No Rail	0.324900	0.280100	0.049200	0.310700	0.000000	0.000000	0.000000	0.030600	0.000000	0.000000	0.004400	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584
NaturalGas Unmitigated	5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584

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					
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
Refrigerated Warehouse-No	500.721	5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584
Total		5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Refrigerated Warehouse-No	0.500721	5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584
Total		5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8889	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322
Unmitigated	3.8889	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2503					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4700e-003	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322
Total	3.8889	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2503					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4700e-003	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322
Total	3.8889	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

West Covina Delivery - Los Angeles-South Coast County, Winter

West Covina Delivery
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	177.44	1000sqft	4.07	177,440.00	0
Parking Lot	818.00	Space	16.44	327,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	370.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Existing facility - repurposing
 CO2 intensity for SCE 2010
 Land Use - total site is 20.51 ac
 Construction Phase - Schedule based on Applicant overall schedule
 Off-road Equipment -
 Off-road Equipment - Not new construction
 Off-road Equipment - Minimal paving; mostly restriping
 Trips and VMT - Haul trip for demo debris
 Architectural Coating - VOC content for interior and exterior 50 g/L per SCAQMD rule 1113

Vehicle Trips - Trips per TIA

Area Coating - VOC per SCAQMD rule 1113

Water Mitigation -

Waste Mitigation -

Fleet Mix - Fleet mix based on TIA

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	370.00	131.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	PhaseEndDate	6/13/2023	6/15/2022
tblConstructionPhase	PhaseEndDate	4/18/2023	5/18/2022
tblConstructionPhase	PhaseEndDate	5/16/2023	5/25/2022
tblConstructionPhase	PhaseStartDate	5/17/2023	5/26/2022
tblConstructionPhase	PhaseStartDate	4/19/2023	5/19/2022
tblFleetMix	HHD	0.03	0.03
tblFleetMix	LDA	0.55	0.32
tblFleetMix	LDT1	0.04	0.28
tblFleetMix	LDT2	0.20	0.05
tblFleetMix	LHD1	0.02	0.00
tblFleetMix	LHD2	6.1960e-003	0.00
tblFleetMix	MCY	5.1420e-003	4.4000e-003
tblFleetMix	MDV	0.12	0.31
tblFleetMix	MH	8.7600e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.5150e-003	0.00
tblFleetMix	SBUS	6.8700e-004	0.00

tblFleetMix	UBUS	2.2010e-003	0.00
tblLandUse	LotAcreage	7.36	16.44
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	370.44
tblTripsAndVMT	HaulingTripNumber	0.00	35.00
tblTripsAndVMT	VendorTripNumber	83.00	10.00
tblTripsAndVMT	WorkerTripNumber	212.00	80.00
tblTripsAndVMT	WorkerTripNumber	3.00	4.00
tblTripsAndVMT	WorkerTripNumber	42.00	16.00
tblVehicleTrips	ST_TR	1.68	5.15
tblVehicleTrips	SU_TR	1.68	5.15
tblVehicleTrips	WD_TR	1.68	5.15

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	1.8595	14.2377	14.6966	0.0313	0.9734	0.6888	1.6622	0.2594	0.6532	0.9126			3,026.1276	0.4419	0.0000	3,037.1756
2022	61.1714	12.8521	14.2900	0.0309	0.9641	0.5904	1.5545	0.2572	0.5601	0.8173			2,993.7174	0.4346	0.0000	3,004.5818
Maximum	61.1714	14.2377	14.6966	0.0313	0.9734	0.6888	1.6622	0.2594	0.6532	0.9126			3,026.1276	0.4419	0.0000	3,037.1756

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	1.8595	14.2377	14.6966	0.0313	0.9734	0.6888	1.6622	0.2594	0.6532	0.9126			3,026.1276	0.4419	0.0000	3,037.1756
2022	61.1714	12.8521	14.2900	0.0309	0.9641	0.5904	1.5545	0.2572	0.5601	0.8173			2,993.7174	0.4346	0.0000	3,004.5818
Maximum	61.1714	14.2377	14.6966	0.0313	0.9734	0.6888	1.6622	0.2594	0.6532	0.9126			3,026.1276	0.4419	0.0000	3,037.1756

	ROG	NOx	CO	SO2	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

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	3.8889	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322
Energy	5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584
Mobile	2.2160	8.0772	33.6253	0.1001	8.2082	0.0780	8.2861	2.1780	0.0723	2.2503			10,086.3984	0.4406		10,097.4132
Total	6.1103	8.1272	33.7684	0.1004	8.2082	0.0820	8.2902	2.1780	0.0763	2.2544			10,145.5247	0.4423	1.0800e-003	10,156.9039

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	3.8889	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322
Energy	5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584
Mobile	2.2160	8.0772	33.6253	0.1001	8.2082	0.0780	8.2861	2.1780	0.0723	2.2503			10,086.3984	0.4406		10,097.4132
Total	6.1103	8.1272	33.7684	0.1004	8.2082	0.0820	8.2902	2.1780	0.0763	2.2544			10,145.5247	0.4423	1.0800e-003	10,156.9039

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	11/17/2021	5/18/2022	5	131	
2	Paving	Paving	5/19/2022	5/25/2022	5	5	
3	Architectural Coating	Architectural Coating	5/26/2022	6/15/2022	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 16.44

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 266,160; Non-Residential Outdoor: 88,720; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	6	80.00	10.00	35.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4439	12.9353	11.4519	0.0200		0.6793	0.6793		0.6443	0.6443			1,878.7579	0.3978		1,888.7038
Total	1.4439	12.9353	11.4519	0.0200		0.6793	0.6793		0.6443	0.6443			1,878.7579	0.3978		1,888.7038

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2800e-003	0.0726	0.0178	2.0000e-004	0.0152	2.2000e-004	0.0154	3.8600e-003	2.1000e-004	4.0700e-003			22.2232	1.5900e-003		22.2629
Vendor	0.0319	0.9689	0.2808	2.5000e-003	0.0640	2.0500e-003	0.0661	0.0184	1.9600e-003	0.0204			267.3455	0.0173		267.7770
Worker	0.3815	0.2609	2.9461	8.6100e-003	0.8942	7.2300e-003	0.9014	0.2372	6.6600e-003	0.2438			857.8009	0.0252		858.4319
Total	0.4157	1.3024	3.2446	0.0113	0.9734	9.5000e-003	0.9829	0.2594	8.8300e-003	0.2683			1,147.3696	0.0441		1,148.4719

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4439	12.9353	11.4519	0.0200		0.6793	0.6793		0.6443	0.6443			1,878.7579	0.3978		1,888.7038
Total	1.4439	12.9353	11.4519	0.0200		0.6793	0.6793		0.6443	0.6443			1,878.7579	0.3978		1,888.7038

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.2800e-003	0.0726	0.0178	2.0000e-004	0.0152	2.2000e-004	0.0154	3.8600e-003	2.1000e-004	4.0700e-003			22.2232	1.5900e-003		22.2629
Vendor	0.0319	0.9689	0.2808	2.5000e-003	0.0640	2.0500e-003	0.0661	0.0184	1.9600e-003	0.0204			267.3455	0.0173		267.7770
Worker	0.3815	0.2609	2.9461	8.6100e-003	0.8942	7.2300e-003	0.9014	0.2372	6.6600e-003	0.2438			857.8009	0.0252		858.4319
Total	0.4157	1.3024	3.2446	0.0113	0.9734	9.5000e-003	0.9829	0.2594	8.8300e-003	0.2683			1,147.3696	0.0441		1,148.4719

3.2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3044	11.6284	11.2933	0.0200		0.5814	0.5814		0.5518	0.5518			1,879.1346	0.3936		1,888.9739
Total	1.3044	11.6284	11.2933	0.0200		0.5814	0.5814		0.5518	0.5518			1,879.1346	0.3936		1,888.9739

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.1700e-003	0.0673	0.0176	2.0000e-004	5.8600e-003	1.9000e-004	6.0600e-003	1.5700e-003	1.9000e-004	1.7600e-003			21.9569	1.5600e-003		21.9960
Vendor	0.0300	0.9208	0.2658	2.4800e-003	0.0640	1.7900e-003	0.0658	0.0184	1.7100e-003	0.0202			264.9703	0.0167		265.3866
Worker	0.3583	0.2356	2.7134	8.3000e-003	0.8942	7.0000e-003	0.9012	0.2372	6.4500e-003	0.2436			827.6556	0.0228		828.2253
Total	0.3904	1.2238	2.9968	0.0110	0.9641	8.9800e-003	0.9731	0.2572	8.3500e-003	0.2655			1,114.5828	0.0410		1,115.6079

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3044	11.6284	11.2933	0.0200		0.5814	0.5814		0.5518	0.5518			1,879.1346	0.3936		1,888.9739
Total	1.3044	11.6284	11.2933	0.0200		0.5814	0.5814		0.5518	0.5518			1,879.1346	0.3936		1,888.9739

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.1700e-003	0.0673	0.0176	2.0000e-004	5.8600e-003	1.9000e-004	6.0600e-003	1.5700e-003	1.9000e-004	1.7600e-003			21.9569	1.5600e-003		21.9960
Vendor	0.0300	0.9208	0.2658	2.4800e-003	0.0640	1.7900e-003	0.0658	0.0184	1.7100e-003	0.0202			264.9703	0.0167		265.3866
Worker	0.3583	0.2356	2.7134	8.3000e-003	0.8942	7.0000e-003	0.9012	0.2372	6.4500e-003	0.2436			827.6556	0.0228		828.2253
Total	0.3904	1.2238	2.9968	0.0110	0.9641	8.9800e-003	0.9731	0.2572	8.3500e-003	0.2655			1,114.5828	0.0410		1,115.6079

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1235	1.2567	1.6785	2.3300e-003		0.0676	0.0676		0.0622	0.0622			225.9292	0.0731		227.7560
Paving	8.6146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.7381	1.2567	1.6785	2.3300e-003		0.0676	0.0676		0.0622	0.0622			225.9292	0.0731		227.7560

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0179	0.0118	0.1357	4.2000e-004	0.0447	3.5000e-004	0.0451	0.0119	3.2000e-004	0.0122			41.3828	1.1400e-003		41.4113
Total	0.0179	0.0118	0.1357	4.2000e-004	0.0447	3.5000e-004	0.0451	0.0119	3.2000e-004	0.0122			41.3828	1.1400e-003		41.4113

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1235	1.2567	1.6785	2.3300e-003		0.0676	0.0676		0.0622	0.0622			225.9292	0.0731		227.7560
Paving	8.6146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	8.7381	1.2567	1.6785	2.3300e-003		0.0676	0.0676		0.0622	0.0622			225.9292	0.0731		227.7560

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0179	0.0118	0.1357	4.2000e-004	0.0447	3.5000e-004	0.0451	0.0119	3.2000e-004	0.0122			41.3828	1.1400e-003		41.4113
Total	0.0179	0.0118	0.1357	4.2000e-004	0.0447	3.5000e-004	0.0451	0.0119	3.2000e-004	0.0122			41.3828	1.1400e-003		41.4113

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	60.8953					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817			281.4481	0.0183		281.9062
Total	61.0998	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817			281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0717	0.0471	0.5427	1.6600e-003	0.1788	1.4000e-003	0.1802	0.0474	1.2900e-003	0.0487			165.5311	4.5600e-003		165.6451
Total	0.0717	0.0471	0.5427	1.6600e-003	0.1788	1.4000e-003	0.1802	0.0474	1.2900e-003	0.0487			165.5311	4.5600e-003		165.6451

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	60.8953					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817			281.4481	0.0183		281.9062
Total	61.0998	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817			281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0717	0.0471	0.5427	1.6600e-003	0.1788	1.4000e-003	0.1802	0.0474	1.2900e-003	0.0487			165.5311	4.5600e-003		165.6451
Total	0.0717	0.0471	0.5427	1.6600e-003	0.1788	1.4000e-003	0.1802	0.0474	1.2900e-003	0.0487			165.5311	4.5600e-003		165.6451

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2160	8.0772	33.6253	0.1001	8.2082	0.0780	8.2861	2.1780	0.0723	2.2503			10,086.3984	0.4406		10,097.4132
Unmitigated	2.2160	8.0772	33.6253	0.1001	8.2082	0.0780	8.2861	2.1780	0.0723	2.2503			10,086.3984	0.4406		10,097.4132

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	913.82	913.82	913.82	3,916,357	3,916,357
Total	913.82	913.82	913.82	3,916,357	3,916,357

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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.546501	0.044961	0.204016	0.120355	0.015740	0.006196	0.020131	0.030678	0.002515	0.002201	0.005142	0.000687	0.000876
Refrigerated Warehouse-No Rail	0.324900	0.280100	0.049200	0.310700	0.000000	0.000000	0.000000	0.030600	0.000000	0.000000	0.004400	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584
NaturalGas Unmitigated	5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584

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					
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
Refrigerated Warehouse-No	500.721	5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584
Total		5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Refrigerated Warehouse-No	0.500721	5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584
Total		5.4000e-003	0.0491	0.0412	2.9000e-004		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003			58.9084	1.1300e-003	1.0800e-003	59.2584

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.8889	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322
Unmitigated	3.8889	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2503					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4700e-003	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322
Total	3.8889	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2503					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.6292					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4700e-003	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322
Total	3.8889	9.3000e-004	0.1018	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004			0.2179	5.7000e-004		0.2322

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
