APPENDIX B

VENTANA Specific Plan CalEEMod Outputs

Air Quality
and
Greenhouse Gas Emissions Analysis
February 9, 2021

Prepared for

City of Indio
100 Civic Center Mall
Indio, CA 92201

Prepared by

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VENTANA SP

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.00	Acre	3.00	130,680.00	0
Single Family Housing	103.00	Dwelling Unit	42.17	413,300.00	333

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	10			**Operational Year**	2023
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Assumes maximum allowed DU SF for all 103 units per the Specific Plan.

Construction Phase - Assumes a 2 year buildout from June 2021 to June 2023.

On-road Fugitive Dust - All roads in the project area are paved.

Grading - Preliminary grading plans: 74,383 CY of export.

Vehicle Trips - Assumes 972 daily trips per project Traffic Report.

Road Dust - All roads will be paved.

Woodstoves - Wood burning appliances are not proposed.

Construction Off-road Equipment Mitigation - Assumes adhearence to standard dust control measures (SCAQMD Rule 403.1).

Off-road Equipment - Construction equipment list provided by applicant/noise engineer.

Off-road Equipment - Construction equipment list confirmed with project applicant and noise engineer.

Off-road Equipment -

Off-road Equipment - Construction equipment list confirmed with project applicant and noise engineer.

Off-road Equipment -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	740.00	395.00
tblConstructionPhase	NumDays	55.00	369.00
tblConstructionPhase	PhaseEndDate	8/26/2024	5/1/2023
tblConstructionPhase	PhaseEndDate	11/11/2024	1/14/2022
tblConstructionPhase	PhaseEndDate	1/27/2025	6/1/2023
tblConstructionPhase	PhaseStartDate	8/27/2024	11/1/2021
tblConstructionPhase	PhaseStartDate	11/12/2024	1/1/2022
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	187.50	50.00
tblGrading	MaterialExported	0.00	74,383.00

tblLandUse	LandUseSquareFeet	185,400.00	413,300.00
tblLandUse	LotAcreage	33.44	42.17
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	9.52	9.44

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	0.3368	4.1642	2.4934	8.0900e-003	0.6451	0.1472	0.7923	0.3083	0.1360	0.4443	0.0000	737.9040	737.9040	0.1299	0.0000	741.1507
2022	2.1703	2.6657	2.9755	5.9900e-003	0.1395	0.1199	0.2594	0.0375	0.1134	0.1509	0.0000	528.4854	528.4854	0.0881	0.0000	530.6881
2023	0.8733	0.7944	0.9659	1.9700e-003	0.0477	0.0343	0.0819	0.0128	0.0325	0.0453	0.0000	173.7624	173.7624	0.0273	0.0000	174.4451
Maximum	**2.1703**	**4.1642**	**2.9755**	**8.0900e-003**	**0.6451**	**0.1472**	**0.7923**	**0.3083**	**0.1360**	**0.4443**	**0.0000**	**737.9040**	**737.9040**	**0.1299**	**0.0000**	**741.1507**

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	0.3368	4.1642	2.4934	8.0900e-003	0.3214	0.1472	0.4686	0.1393	0.1360	0.2753	0.0000	737.9036	737.9036	0.1299	0.0000	741.1502
2022	2.1703	2.6657	2.9755	5.9900e-003	0.1395	0.1199	0.2594	0.0375	0.1134	0.1509	0.0000	528.4850	528.4850	0.0881	0.0000	530.6876
2023	0.8733	0.7944	0.9659	1.9700e-003	0.0477	0.0343	0.0819	0.0128	0.0325	0.0453	0.0000	173.7623	173.7623	0.0273	0.0000	174.4450
Maximum	**2.1703**	**4.1642**	**2.9755**	**8.0900e-003**	**0.3214**	**0.1472**	**0.4686**	**0.1393**	**0.1360**	**0.2753**	**0.0000**	**737.9036**	**737.9036**	**0.1299**	**0.0000**	**741.1502**

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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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**38.90**	**0.00**	**28.56**	**47.13**	**0.00**	**26.39**	**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	**6-1-2021**	**8-31-2021**	2.0587	2.0587
2	**9-1-2021**	**11-30-2021**	1.9841	1.9841
3	**12-1-2021**	**2-28-2022**	1.2500	1.2500
4	**3-1-2022**	**5-31-2022**	1.2078	1.2078
5	**6-1-2022**	**8-31-2022**	1.2091	1.2091
6	**9-1-2022**	**11-30-2022**	1.1935	1.1935
7	**12-1-2022**	**2-28-2023**	1.1340	1.1340
8	**3-1-2023**	**5-31-2023**	0.9352	0.9352
9	**6-1-2023**	**8-31-2023**	0.0056	0.0056
		Highest	2.0587	2.0587

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	1.9072	0.0107	0.7658	5.0000e-005		4.3900e-003	4.3900e-003		4.3900e-003	4.3900e-003	0.0000	3.4254	3.4254	1.2400e-003	4.0000e-005	3.4684
Energy	0.0170	0.1452	0.0618	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	685.7247	685.7247	0.0150	5.5300e-003	687.7474
Mobile	0.3279	2.5692	3.3700	0.0138	0.8393	6.5700e-003	0.8459	0.2255	6.1400e-003	0.2316	0.0000	1,286.9244	1,286.9244	0.0756	0.0000	1,288.8141
Waste						0.0000	0.0000		0.0000	0.0000	27.7144	0.0000	27.7144	1.6379	0.0000	68.6611
Water						0.0000	0.0000		0.0000	0.0000	2.1291	77.4695	79.5986	0.2204	5.5300e-003	86.7573
Total	**2.2521**	**2.7251**	**4.1976**	**0.0148**	**0.8393**	**0.0227**	**0.8620**	**0.2255**	**0.0223**	**0.2477**	**29.8434**	**2,053.5440**	**2,083.3874**	**1.9502**	**0.0111**	**2,135.4482**

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	1.9072	0.0107	0.7658	5.0000e-005		4.3900e-003	4.3900e-003		4.3900e-003	4.3900e-003	0.0000	3.4254	3.4254	1.2400e-003	4.0000e-005	3.4684
Energy	0.0170	0.1452	0.0618	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	685.7247	685.7247	0.0150	5.5300e-003	687.7474
Mobile	0.3279	2.5692	3.3700	0.0138	0.8393	6.5700e-003	0.8459	0.2255	6.1400e-003	0.2316	0.0000	1,286.9244	1,286.9244	0.0756	0.0000	1,288.8141
Waste						0.0000	0.0000		0.0000	0.0000	27.7144	0.0000	27.7144	1.6379	0.0000	68.6611
Water						0.0000	0.0000		0.0000	0.0000	2.1291	77.4695	79.5986	0.2204	5.5300e-003	86.7573
Total	**2.2521**	**2.7251**	**4.1976**	**0.0148**	**0.8393**	**0.0227**	**0.8620**	**0.2255**	**0.0223**	**0.2477**	**29.8434**	**2,053.5440**	**2,083.3874**	**1.9502**	**0.0111**	**2,135.4482**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2021	7/12/2021	5	30	
2	Grading	Grading	7/13/2021	10/25/2021	5	75	
3	Building Construction	Building Construction	10/26/2021	5/1/2023	5	395	
4	Paving	Paving	11/1/2021	1/14/2022	5	55	
5	Architectural Coating	Architectural Coating	1/1/2022	6/1/2023	5	369	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 3

Residential Indoor: 836,933; Residential Outdoor: 278,978; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	9,298.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	92.00	32.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

3.2 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					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0583	0.6075	0.3173	5.7000e-004		0.0307	0.0307		0.0282	0.0282	0.0000	50.1536	50.1536	0.0162	0.0000	50.5591
Total	**0.0583**	**0.6075**	**0.3173**	**5.7000e-004**	**0.2710**	**0.0307**	**0.3017**	**0.1490**	**0.0282**	**0.1772**	**0.0000**	**50.1536**	**50.1536**	**0.0162**	**0.0000**	**50.5591**

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	9.2000e-004	9.3400e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8423	1.8423	8.0000e-005	0.0000	1.8442
Total	**1.2800e-003**	**9.2000e-004**	**9.3400e-003**	**2.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2500e-003**	**5.9000e-004**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**1.8423**	**1.8423**	**8.0000e-005**	**0.0000**	**1.8442**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1057	0.0000	0.1057	0.0581	0.0000	0.0581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0583	0.6075	0.3173	5.7000e-004		0.0307	0.0307		0.0282	0.0282	0.0000	50.1535	50.1535	0.0162	0.0000	50.5590
Total	**0.0583**	**0.6075**	**0.3173**	**5.7000e-004**	**0.1057**	**0.0307**	**0.1364**	**0.0581**	**0.0282**	**0.0863**	**0.0000**	**50.1535**	**50.1535**	**0.0162**	**0.0000**	**50.5590**

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	9.2000e-004	9.3400e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8423	1.8423	8.0000e-005	0.0000	1.8442
Total	**1.2800e-003**	**9.2000e-004**	**9.3400e-003**	**2.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2500e-003**	**5.9000e-004**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**1.8423**	**1.8423**	**8.0000e-005**	**0.0000**	**1.8442**

3.3 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					0.2598	0.0000	0.2598	0.1281	0.0000	0.1281	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1572	1.7400	1.1579	2.3300e-003		0.0745	0.0745		0.0685	0.0685	0.0000	204.3562	204.3562	0.0661	0.0000	206.0085
Total	**0.1572**	**1.7400**	**1.1579**	**2.3300e-003**	**0.2598**	**0.0745**	**0.3342**	**0.1281**	**0.0685**	**0.1966**	**0.0000**	**204.3562**	**204.3562**	**0.0661**	**0.0000**	**206.0085**

3.3 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	0.0240	1.0165	0.1407	3.5600e-003	0.0807	3.0200e-003	0.0837	0.0222	2.8900e-003	0.0250	0.0000	339.9294	339.9294	0.0169	0.0000	340.3516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5400e-003	2.5600e-003	0.0259	6.0000e-005	6.2000e-003	4.0000e-005	6.2400e-003	1.6500e-003	4.0000e-005	1.6800e-003	0.0000	5.1175	5.1175	2.1000e-004	0.0000	5.1227
Total	**0.0275**	**1.0191**	**0.1666**	**3.6200e-003**	**0.0869**	**3.0600e-003**	**0.0899**	**0.0238**	**2.9300e-003**	**0.0267**	**0.0000**	**345.0470**	**345.0470**	**0.0171**	**0.0000**	**345.4743**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1013	0.0000	0.1013	0.0500	0.0000	0.0500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1572	1.7400	1.1579	2.3300e-003		0.0745	0.0745		0.0685	0.0685	0.0000	204.3559	204.3559	0.0661	0.0000	206.0083
Total	**0.1572**	**1.7400**	**1.1579**	**2.3300e-003**	**0.1013**	**0.0745**	**0.1758**	**0.0500**	**0.0685**	**0.1185**	**0.0000**	**204.3559**	**204.3559**	**0.0661**	**0.0000**	**206.0083**

3.3 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	0.0240	1.0165	0.1407	3.5600e-003	0.0807	3.0200e-003	0.0837	0.0222	2.8900e-003	0.0250	0.0000	339.9294	339.9294	0.0169	0.0000	340.3516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5400e-003	2.5600e-003	0.0259	6.0000e-005	6.2000e-003	4.0000e-005	6.2400e-003	1.6500e-003	4.0000e-005	1.6800e-003	0.0000	5.1175	5.1175	2.1000e-004	0.0000	5.1227
Total	**0.0275**	**1.0191**	**0.1666**	**3.6200e-003**	**0.0869**	**3.0600e-003**	**0.0899**	**0.0238**	**2.9300e-003**	**0.0267**	**0.0000**	**345.0470**	**345.0470**	**0.0171**	**0.0000**	**345.4743**

3.4 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	0.0466	0.4271	0.4061	6.6000e-004		0.0235	0.0235		0.0221	0.0221	0.0000	56.7511	56.7511	0.0137	0.0000	57.0934
Total	**0.0466**	**0.4271**	**0.4061**	**6.6000e-004**		**0.0235**	**0.0235**		**0.0221**	**0.0221**	**0.0000**	**56.7511**	**56.7511**	**0.0137**	**0.0000**	**57.0934**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1800e-003	0.0702	0.0168	1.8000e-004	3.9000e-003	1.3000e-004	4.0300e-003	1.1200e-003	1.2000e-004	1.2500e-003	0.0000	17.0183	17.0183	1.4000e-003	0.0000	17.0532
Worker	0.0107	7.7000e-003	0.0780	1.7000e-004	0.0186	1.2000e-004	0.0188	4.9500e-003	1.1000e-004	5.0500e-003	0.0000	15.3799	15.3799	6.3000e-004	0.0000	15.3956
Total	**0.0128**	**0.0779**	**0.0948**	**3.5000e-004**	**0.0225**	**2.5000e-004**	**0.0228**	**6.0700e-003**	**2.3000e-004**	**6.3000e-003**	**0.0000**	**32.3981**	**32.3981**	**2.0300e-003**	**0.0000**	**32.4488**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0466	0.4271	0.4061	6.6000e-004		0.0235	0.0235		0.0221	0.0221	0.0000	56.7511	56.7511	0.0137	0.0000	57.0934
Total	**0.0466**	**0.4271**	**0.4061**	**6.6000e-004**		**0.0235**	**0.0235**		**0.0221**	**0.0221**	**0.0000**	**56.7511**	**56.7511**	**0.0137**	**0.0000**	**57.0934**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1800e-003	0.0702	0.0168	1.8000e-004	3.9000e-003	1.3000e-004	4.0300e-003	1.1200e-003	1.2000e-004	1.2500e-003	0.0000	17.0183	17.0183	1.4000e-003	0.0000	17.0532
Worker	0.0107	7.7000e-003	0.0780	1.7000e-004	0.0186	1.2000e-004	0.0188	4.9500e-003	1.1000e-004	5.0500e-003	0.0000	15.3799	15.3799	6.3000e-004	0.0000	15.3956
Total	**0.0128**	**0.0779**	**0.0948**	**3.5000e-004**	**0.0225**	**2.5000e-004**	**0.0228**	**6.0700e-003**	**2.3000e-004**	**6.3000e-003**	**0.0000**	**32.3981**	**32.3981**	**2.0300e-003**	**0.0000**	**32.4488**

3.4 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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2428**	**301.2428**	**0.0722**	**0.0000**	**303.0471**

3.4 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	0.0107	0.3522	0.0822	9.4000e-004	0.0207	5.6000e-004	0.0213	5.9700e-003	5.4000e-004	6.5100e-003	0.0000	89.5415	89.5415	6.8900e-003	0.0000	89.7138
Worker	0.0528	0.0372	0.3806	8.7000e-004	0.0989	6.0000e-004	0.0995	0.0263	5.5000e-004	0.0268	0.0000	78.6198	78.6198	3.0300e-003	0.0000	78.6957
Total	**0.0636**	**0.3894**	**0.4628**	**1.8100e-003**	**0.1196**	**1.1600e-003**	**0.1207**	**0.0322**	**1.0900e-003**	**0.0333**	**0.0000**	**168.1614**	**168.1614**	**9.9200e-003**	**0.0000**	**168.4095**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2425**	**301.2425**	**0.0722**	**0.0000**	**303.0467**

3.4 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	0.0107	0.3522	0.0822	9.4000e-004	0.0207	5.6000e-004	0.0213	5.9700e-003	5.4000e-004	6.5100e-003	0.0000	89.5415	89.5415	6.8900e-003	0.0000	89.7138
Worker	0.0528	0.0372	0.3806	8.7000e-004	0.0989	6.0000e-004	0.0995	0.0263	5.5000e-004	0.0268	0.0000	78.6198	78.6198	3.0300e-003	0.0000	78.6957
Total	**0.0636**	**0.3894**	**0.4628**	**1.8100e-003**	**0.1196**	**1.1600e-003**	**0.1207**	**0.0322**	**1.0900e-003**	**0.0333**	**0.0000**	**168.1614**	**168.1614**	**9.9200e-003**	**0.0000**	**168.4095**

3.4 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	0.0676	0.6186	0.6985	1.1600e-003		0.0301	0.0301		0.0283	0.0283	0.0000	99.6760	99.6760	0.0237	0.0000	100.2688
Total	**0.0676**	**0.6186**	**0.6985**	**1.1600e-003**		**0.0301**	**0.0301**		**0.0283**	**0.0283**	**0.0000**	**99.6760**	**99.6760**	**0.0237**	**0.0000**	**100.2688**

3.4 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	2.8000e-003	0.0908	0.0236	3.0000e-004	6.8400e-003	7.0000e-005	6.9200e-003	1.9700e-003	7.0000e-005	2.0400e-003	0.0000	28.9501	28.9501	1.6200e-003	0.0000	28.9906
Worker	0.0164	0.0113	0.1162	2.8000e-004	0.0327	1.9000e-004	0.0329	8.6800e-003	1.8000e-004	8.8600e-003	0.0000	25.0173	25.0173	9.2000e-004	0.0000	25.0403
Total	**0.0192**	**0.1021**	**0.1398**	**5.8000e-004**	**0.0395**	**2.6000e-004**	**0.0398**	**0.0107**	**2.5000e-004**	**0.0109**	**0.0000**	**53.9674**	**53.9674**	**2.5400e-003**	**0.0000**	**54.0308**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0676	0.6186	0.6985	1.1600e-003		0.0301	0.0301		0.0283	0.0283	0.0000	99.6759	99.6759	0.0237	0.0000	100.2687
Total	**0.0676**	**0.6186**	**0.6985**	**1.1600e-003**		**0.0301**	**0.0301**		**0.0283**	**0.0283**	**0.0000**	**99.6759**	**99.6759**	**0.0237**	**0.0000**	**100.2687**

3.4 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	2.8000e-003	0.0908	0.0236	3.0000e-004	6.8400e-003	7.0000e-005	6.9200e-003	1.9700e-003	7.0000e-005	2.0400e-003	0.0000	28.9501	28.9501	1.6200e-003	0.0000	28.9906
Worker	0.0164	0.0113	0.1162	2.8000e-004	0.0327	1.9000e-004	0.0329	8.6800e-003	1.8000e-004	8.8600e-003	0.0000	25.0173	25.0173	9.2000e-004	0.0000	25.0403
Total	**0.0192**	**0.1021**	**0.1398**	**5.8000e-004**	**0.0395**	**2.6000e-004**	**0.0398**	**0.0107**	**2.5000e-004**	**0.0109**	**0.0000**	**53.9674**	**53.9674**	**2.5400e-003**	**0.0000**	**54.0308**

3.5 Paving - 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	0.0283	0.2907	0.3297	5.1000e-004		0.0153	0.0153		0.0140	0.0140	0.0000	45.0528	45.0528	0.0146	0.0000	45.4171
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0315**	**0.2907**	**0.3297**	**5.1000e-004**		**0.0153**	**0.0153**		**0.0140**	**0.0140**	**0.0000**	**45.0528**	**45.0528**	**0.0146**	**0.0000**	**45.4171**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5900e-003	1.1500e-003	0.0117	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.3029	2.3029	9.0000e-005	0.0000	2.3052
Total	**1.5900e-003**	**1.1500e-003**	**0.0117**	**3.0000e-005**	**2.7900e-003**	**2.0000e-005**	**2.8100e-003**	**7.4000e-004**	**2.0000e-005**	**7.6000e-004**	**0.0000**	**2.3029**	**2.3029**	**9.0000e-005**	**0.0000**	**2.3052**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0283	0.2907	0.3297	5.1000e-004		0.0153	0.0153		0.0140	0.0140	0.0000	45.0528	45.0528	0.0146	0.0000	45.4171
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0315**	**0.2907**	**0.3297**	**5.1000e-004**		**0.0153**	**0.0153**		**0.0140**	**0.0140**	**0.0000**	**45.0528**	**45.0528**	**0.0146**	**0.0000**	**45.4171**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5900e-003	1.1500e-003	0.0117	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.3029	2.3029	9.0000e-005	0.0000	2.3052
Total	**1.5900e-003**	**1.1500e-003**	**0.0117**	**3.0000e-005**	**2.7900e-003**	**2.0000e-005**	**2.8100e-003**	**7.4000e-004**	**2.0000e-005**	**7.6000e-004**	**0.0000**	**2.3029**	**2.3029**	**9.0000e-005**	**0.0000**	**2.3052**

3.5 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	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0948
Paving	7.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.2200e-003**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0948**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.3000e-004	2.3900e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4930	0.4930	2.0000e-005	0.0000	0.4935
Total	**3.3000e-004**	**2.3000e-004**	**2.3900e-003**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**6.2000e-004**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.4930**	**0.4930**	**2.0000e-005**	**0.0000**	**0.4935**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0947
Paving	7.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.2200e-003**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0947**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.3000e-004	2.3900e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4930	0.4930	2.0000e-005	0.0000	0.4935
Total	**3.3000e-004**	**2.3000e-004**	**2.3900e-003**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**6.2000e-004**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.4930**	**0.4930**	**2.0000e-005**	**0.0000**	**0.4935**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	**1.8680**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**	**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2463**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0103	7.2800e-003	0.0745	1.7000e-004	0.0194	1.2000e-004	0.0195	5.1400e-003	1.1000e-004	5.2400e-003	0.0000	15.3821	15.3821	5.9000e-004	0.0000	15.3970
Total	**0.0103**	**7.2800e-003**	**0.0745**	**1.7000e-004**	**0.0194**	**1.2000e-004**	**0.0195**	**5.1400e-003**	**1.1000e-004**	**5.2400e-003**	**0.0000**	**15.3821**	**15.3821**	**5.9000e-004**	**0.0000**	**15.3970**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.8414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	**1.8680**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**	**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2463**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0103	7.2800e-003	0.0745	1.7000e-004	0.0194	1.2000e-004	0.0195	5.1400e-003	1.1000e-004	5.2400e-003	0.0000	15.3821	15.3821	5.9000e-004	0.0000	15.3970
Total	**0.0103**	**7.2800e-003**	**0.0745**	**1.7000e-004**	**0.0194**	**1.2000e-004**	**0.0195**	**5.1400e-003**	**1.1000e-004**	**5.2400e-003**	**0.0000**	**15.3821**	**15.3821**	**5.9000e-004**	**0.0000**	**15.3970**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7720					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.0710	0.0987	1.6000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	13.9152	13.9152	8.3000e-004	0.0000	13.9361
Total	**0.7824**	**0.0710**	**0.0987**	**1.6000e-004**		**3.8600e-003**	**3.8600e-003**		**3.8600e-003**	**3.8600e-003**	**0.0000**	**13.9152**	**13.9152**	**8.3000e-004**	**0.0000**	**13.9361**

3.6 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	0.0000	0.0000	0.0000	0.0000	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	4.0600e-003	2.7900e-003	0.0288	7.0000e-005	8.1100e-003	5.0000e-005	8.1600e-003	2.1500e-003	4.0000e-005	2.2000e-003	0.0000	6.2037	6.2037	2.3000e-004	0.0000	6.2094
Total	**4.0600e-003**	**2.7900e-003**	**0.0288**	**7.0000e-005**	**8.1100e-003**	**5.0000e-005**	**8.1600e-003**	**2.1500e-003**	**4.0000e-005**	**2.2000e-003**	**0.0000**	**6.2037**	**6.2037**	**2.3000e-004**	**0.0000**	**6.2094**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7720					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.0710	0.0987	1.6000e-004		3.8600e-003	3.8600e-003		3.8600e-003	3.8600e-003	0.0000	13.9152	13.9152	8.3000e-004	0.0000	13.9360
Total	**0.7824**	**0.0710**	**0.0987**	**1.6000e-004**		**3.8600e-003**	**3.8600e-003**		**3.8600e-003**	**3.8600e-003**	**0.0000**	**13.9152**	**13.9152**	**8.3000e-004**	**0.0000**	**13.9360**

3.6 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	0.0000	0.0000	0.0000	0.0000	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	4.0600e-003	2.7900e-003	0.0288	7.0000e-005	8.1100e-003	5.0000e-005	8.1600e-003	2.1500e-003	4.0000e-005	2.2000e-003	0.0000	6.2037	6.2037	2.3000e-004	0.0000	6.2094
Total	**4.0600e-003**	**2.7900e-003**	**0.0288**	**7.0000e-005**	**8.1100e-003**	**5.0000e-005**	**8.1600e-003**	**2.1500e-003**	**4.0000e-005**	**2.2000e-003**	**0.0000**	**6.2037**	**6.2037**	**2.3000e-004**	**0.0000**	**6.2094**

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	0.3279	2.5692	3.3700	0.0138	0.8393	6.5700e-003	0.8459	0.2255	6.1400e-003	0.2316	0.0000	1,286.9244	1,286.9244	0.0756	0.0000	1,288.8141
Unmitigated	0.3279	2.5692	3.3700	0.0138	0.8393	6.5700e-003	0.8459	0.2255	6.1400e-003	0.2316	0.0000	1,286.9244	1,286.9244	0.0756	0.0000	1,288.8141

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	972.32	972.32	972.32	2,168,407	2,168,407
Total	972.32	972.32	972.32	2,168,407	2,168,407

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Single Family Housing	11.00	3.50	4.50	40.00	20.00	40.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.492822	0.035624	0.185121	0.119005	0.014436	0.005121	0.022629	0.112565	0.003037	0.001863	0.006214	0.000779	0.000783
Single Family Housing	0.492822	0.035624	0.185121	0.119005	0.014436	0.005121	0.022629	0.112565	0.003037	0.001863	0.006214	0.000779	0.000783

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	517.5538	517.5538	0.0118	2.4400e-003	518.5772
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	517.5538	517.5538	0.0118	2.4400e-003	518.5772
NaturalGas Mitigated	0.0170	0.1452	0.0618	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	168.1709	168.1709	3.2200e-003	3.0800e-003	169.1702
NaturalGas Unmitigated	0.0170	0.1452	0.0618	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	168.1709	168.1709	3.2200e-003	3.0800e-003	169.1702

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					
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
Single Family Housing	3.1514e+006	0.0170	0.1452	0.0618	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	168.1709	168.1709	3.2200e-003	3.0800e-003	169.1702
Total		**0.0170**	**0.1452**	**0.0618**	**9.3000e-004**		**0.0117**	**0.0117**		**0.0117**	**0.0117**	**0.0000**	**168.1709**	**168.1709**	**3.2200e-003**	**3.0800e-003**	**169.1702**

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					
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
Single Family Housing	3.1514e+006	0.0170	0.1452	0.0618	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	168.1709	168.1709	3.2200e-003	3.0800e-003	169.1702
Total		**0.0170**	**0.1452**	**0.0618**	**9.3000e-004**		**0.0117**	**0.0117**		**0.0117**	**0.0117**	**0.0000**	**168.1709**	**168.1709**	**3.2200e-003**	**3.0800e-003**	**169.1702**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	897797	517.5538	0.0118	2.4400e-003	518.5772
Total		**517.5538**	**0.0118**	**2.4400e-003**	**518.5772**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	897797	517.5538	0.0118	2.4400e-003	518.5772
Total		**517.5538**	**0.0118**	**2.4400e-003**	**518.5772**

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	1.9072	0.0107	0.7658	5.0000e-005		4.3900e-003	4.3900e-003		4.3900e-003	4.3900e-003	0.0000	3.4254	3.4254	1.2400e-003	4.0000e-005	3.4684
Unmitigated	1.9072	0.0107	0.7658	5.0000e-005		4.3900e-003	4.3900e-003		4.3900e-003	4.3900e-003	0.0000	3.4254	3.4254	1.2400e-003	4.0000e-005	3.4684

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	0.2613					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6226					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.2000e-004	1.8800e-003	8.0000e-004	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1761	2.1761	4.0000e-005	4.0000e-005	2.1890
Landscaping	0.0231	8.8200e-003	0.7650	4.0000e-005		4.2300e-003	4.2300e-003		4.2300e-003	4.2300e-003	0.0000	1.2493	1.2493	1.2000e-003	0.0000	1.2794
Total	**1.9072**	**0.0107**	**0.7658**	**5.0000e-005**		**4.3800e-003**	**4.3800e-003**		**4.3800e-003**	**4.3800e-003**	**0.0000**	**3.4254**	**3.4254**	**1.2400e-003**	**4.0000e-005**	**3.4684**

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	0.2613					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.6226					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.2000e-004	1.8800e-003	8.0000e-004	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	2.1761	2.1761	4.0000e-005	4.0000e-005	2.1890
Landscaping	0.0231	8.8200e-003	0.7650	4.0000e-005		4.2300e-003	4.2300e-003		4.2300e-003	4.2300e-003	0.0000	1.2493	1.2493	1.2000e-003	0.0000	1.2794
Total	**1.9072**	**0.0107**	**0.7658**	**5.0000e-005**		**4.3800e-003**	**4.3800e-003**		**4.3800e-003**	**4.3800e-003**	**0.0000**	**3.4254**	**3.4254**	**1.2400e-003**	**4.0000e-005**	**3.4684**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	79.5986	0.2204	5.5300e-003	86.7573
Unmitigated	79.5986	0.2204	5.5300e-003	86.7573

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.71086 / 4.23076	79.5986	0.2204	5.5300e-003	86.7573
Total		**79.5986**	**0.2204**	**5.5300e-003**	**86.7573**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	6.71086 / 4.23076	79.5986	0.2204	5.5300e-003	86.7573
Total		**79.5986**	**0.2204**	**5.5300e-003**	**86.7573**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	27.7144	1.6379	0.0000	68.6611
Unmitigated	27.7144	1.6379	0.0000	68.6611

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	136.53	27.7144	1.6379	0.0000	68.6611
Total		**27.7144**	**1.6379**	**0.0000**	**68.6611**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	136.53	27.7144	1.6379	0.0000	68.6611
Total		**27.7144**	**1.6379**	**0.0000**	**68.6611**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VENTANA SP

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.00	Acre	3.00	130,680.00	0
Single Family Housing	103.00	Dwelling Unit	42.17	413,300.00	333

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	10			**Operational Year**	2023
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Assumes maximum allowed DU SF for all 103 units per the Specific Plan.

Construction Phase - Assumes a 2 year buildout from June 2021 to June 2023.

On-road Fugitive Dust - All roads in the project area are paved.

Grading - Preliminary grading plans: 74,383 CY of export.

Vehicle Trips - Assumes 972 daily trips per project Traffic Report.

Road Dust - All roads will be paved.

Woodstoves - Wood burning appliances are not proposed.

Construction Off-road Equipment Mitigation - Assumes adhearence to standard dust control measures (SCAQMD Rule 403.1).

Off-road Equipment - Construction equipment list provided by applicant/noise engineer.

Off-road Equipment - Construction equipment list confirmed with project applicant and noise engineer.

Off-road Equipment -

Off-road Equipment - Construction equipment list confirmed with project applicant and noise engineer.

Off-road Equipment -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	740.00	395.00
tblConstructionPhase	NumDays	55.00	369.00
tblConstructionPhase	PhaseEndDate	8/26/2024	5/1/2023
tblConstructionPhase	PhaseEndDate	11/11/2024	1/14/2022
tblConstructionPhase	PhaseEndDate	1/27/2025	6/1/2023
tblConstructionPhase	PhaseStartDate	8/27/2024	11/1/2021
tblConstructionPhase	PhaseStartDate	11/12/2024	1/1/2022
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	187.50	50.00
tblGrading	MaterialExported	0.00	74,383.00

tblLandUse	LandUseSquareFeet	185,400.00	413,300.00
tblLandUse	LotAcreage	33.44	42.17
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	9.52	9.44

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	4.9280	72.9415	36.4996	0.1599	18.2169	2.0662	20.2623	9.9706	1.9038	11.8524	0.0000	16,291.5895	16,291.5895	2.4230	0.0000	16,352.1635
2022	18.0574	31.2357	38.3267	0.0702	1.2065	1.4691	2.6756	0.3237	1.3751	1.6988	0.0000	6,820.8284	6,820.8284	1.4402	0.0000	6,856.8332
2023	16.5325	18.1134	22.6199	0.0457	1.0810	0.7776	1.8586	0.2904	0.7358	1.0262	0.0000	4,442.7218	4,442.7218	0.6966	0.0000	4,460.1362
Maximum	**18.0574**	**72.9415**	**38.3267**	**0.1599**	**18.2169**	**2.0662**	**20.2623**	**9.9706**	**1.9038**	**11.8524**	**0.0000**	**16,291.5895**	**16,291.5895**	**2.4230**	**0.0000**	**16,352.1635**

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	4.9280	72.9415	36.4996	0.1599	7.1964	2.0662	9.2418	3.9129	1.9038	5.7947	0.0000	16,291.5895	16,291.5895	2.4230	0.0000	16,352.1635
2022	18.0574	31.2357	38.3267	0.0702	1.2065	1.4691	2.6756	0.3237	1.3751	1.6988	0.0000	6,820.8284	6,820.8284	1.4402	0.0000	6,856.8332
2023	16.5325	18.1134	22.6199	0.0457	1.0810	0.7776	1.8586	0.2904	0.7358	1.0262	0.0000	4,442.7218	4,442.7218	0.6966	0.0000	4,460.1362
Maximum	**18.0574**	**72.9415**	**38.3267**	**0.1599**	**7.1964**	**2.0662**	**9.2418**	**3.9129**	**1.9038**	**5.7947**	**0.0000**	**16,291.5895**	**16,291.5895**	**2.4230**	**0.0000**	**16,352.1635**

VENTANA SP - Salton Sea Air Basin, 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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.75**	**0.00**	**44.44**	**57.23**	**0.00**	**41.56**	**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	10.6813	0.9719	8.8717	6.0300e-003		0.1177	0.1177		0.1177	0.1177	0.0000	1,130.9733	1,130.9733	0.0361	0.0205	1,137.9711
Energy	0.0931	0.7957	0.3386	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.7626	1,015.7626	0.0195	0.0186	1,021.7988
Mobile	2.2465	14.1332	21.8175	0.0806	4.6656	0.0359	4.7015	1.2520	0.0336	1.2856		8,260.9850	8,260.9850	0.4623		8,272.5420
Total	**13.0209**	**15.9008**	**31.0278**	**0.0917**	**4.6656**	**0.2180**	**4.8836**	**1.2520**	**0.2156**	**1.4676**	**0.0000**	**10,407.7209**	**10,407.7209**	**0.5179**	**0.0391**	**10,432.3118**

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	10.6813	0.9719	8.8717	6.0300e-003		0.1177	0.1177		0.1177	0.1177	0.0000	1,130.9733	1,130.9733	0.0361	0.0205	1,137.9711
Energy	0.0931	0.7957	0.3386	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.7626	1,015.7626	0.0195	0.0186	1,021.7988
Mobile	2.2465	14.1332	21.8175	0.0806	4.6656	0.0359	4.7015	1.2520	0.0336	1.2856		8,260.9850	8,260.9850	0.4623		8,272.5420
Total	**13.0209**	**15.9008**	**31.0278**	**0.0917**	**4.6656**	**0.2180**	**4.8836**	**1.2520**	**0.2156**	**1.4676**	**0.0000**	**10,407.7209**	**10,407.7209**	**0.5179**	**0.0391**	**10,432.3118**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2021	7/12/2021	5	30	
2	Grading	Grading	7/13/2021	10/25/2021	5	75	
3	Building Construction	Building Construction	10/26/2021	5/1/2023	5	395	
4	Paving	Paving	11/1/2021	1/14/2022	5	55	
5	Architectural Coating	Architectural Coating	1/1/2022	6/1/2023	5	369	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 3

Residential Indoor: 836,933; Residential Outdoor: 278,978; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

VENTANA SP - Salton Sea Air Basin, Summer

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	9,298.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	92.00	32.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

3.2 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**

3.2 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	0.0000	0.0000	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	0.1012	0.0609	0.7797	1.5100e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		149.7216	149.7216	6.4100e-003		149.8818
Total	**0.1012**	**0.0609**	**0.7797**	**1.5100e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**149.7216**	**149.7216**	**6.4100e-003**		**149.8818**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	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**	**7.0458**	**2.0445**	**9.0903**	**3.8730**	**1.8809**	**5.7539**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 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	0.0000	0.0000	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	0.1012	0.0609	0.7797	1.5100e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		149.7216	149.7216	6.4100e-003		149.8818
Total	**0.1012**	**0.0609**	**0.7797**	**1.5100e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**149.7216**	**149.7216**	**6.4100e-003**		**149.8818**

3.3 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					6.9266	0.0000	6.9266	3.4165	0.0000	3.4165			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.9266**	**1.9853**	**8.9119**	**3.4165**	**1.8265**	**5.2430**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6245	26.4741	3.4610	0.0963	2.1730	0.0798	2.2529	0.5961	0.0764	0.6725		10,118.1888	10,118.1888	0.4730		10,130.0148
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1124	0.0676	0.8663	1.6700e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		166.3573	166.3573	7.1200e-003		166.5353
Total	**0.7369**	**26.5417**	**4.3273**	**0.0979**	**2.3404**	**0.0809**	**2.4212**	**0.6405**	**0.0773**	**0.7178**		**10,284.5461**	**10,284.5461**	**0.4802**		**10,296.5501**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7014	0.0000	2.7014	1.3324	0.0000	1.3324			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**2.7014**	**1.9853**	**4.6867**	**1.3324**	**1.8265**	**3.1589**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6245	26.4741	3.4610	0.0963	2.1730	0.0798	2.2529	0.5961	0.0764	0.6725		10,118.1888	10,118.1888	0.4730		10,130.0148
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1124	0.0676	0.8663	1.6700e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		166.3573	166.3573	7.1200e-003		166.5353
Total	**0.7369**	**26.5417**	**4.3273**	**0.0979**	**2.3404**	**0.0809**	**2.4212**	**0.6405**	**0.0773**	**0.7178**		**10,284.5461**	**10,284.5461**	**0.4802**		**10,296.5501**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0878	2.8504	0.6363	7.4700e-003	0.1607	5.0600e-003	0.1658	0.0463	4.8400e-003	0.0511		782.2398	782.2398	0.0598		783.7352
Worker	0.5171	0.3111	3.9851	7.7000e-003	0.7697	4.7400e-003	0.7745	0.2042	4.3700e-003	0.2085		765.2436	765.2436	0.0328		766.0623
Total	**0.6049**	**3.1615**	**4.6214**	**0.0152**	**0.9304**	**9.8000e-003**	**0.9402**	**0.2505**	**9.2100e-003**	**0.2597**		**1,547.4834**	**1,547.4834**	**0.0926**		**1,549.7976**

Mitigated Construction On-Site

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

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0878	2.8504	0.6363	7.4700e-003	0.1607	5.0600e-003	0.1658	0.0463	4.8400e-003	0.0511		782.2398	782.2398	0.0598		783.7352
Worker	0.5171	0.3111	3.9851	7.7000e-003	0.7697	4.7400e-003	0.7745	0.2042	4.3700e-003	0.2085		765.2436	765.2436	0.0328		766.0623
Total	**0.6049**	**3.1615**	**4.6214**	**0.0152**	**0.9304**	**9.8000e-003**	**0.9402**	**0.2505**	**9.2100e-003**	**0.2597**		**1,547.4834**	**1,547.4834**	**0.0926**		**1,549.7976**

3.4 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**

3.4 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	0.0815	2.7014	0.5852	7.4100e-003	0.1607	4.2400e-003	0.1649	0.0463	4.0500e-003	0.0504		775.7701	775.7701	0.0555		777.1577
Worker	0.4819	0.2835	3.6683	7.4200e-003	0.7697	4.5900e-003	0.7743	0.2042	4.2200e-003	0.2084		737.1897	737.1897	0.0297		737.9333
Total	**0.5634**	**2.9850**	**4.2535**	**0.0148**	**0.9304**	**8.8300e-003**	**0.9393**	**0.2505**	**8.2700e-003**	**0.2587**		**1,512.9598**	**1,512.9598**	**0.0853**		**1,515.0910**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.0815	2.7014	0.5852	7.4100e-003	0.1607	4.2400e-003	0.1649	0.0463	4.0500e-003	0.0504		775.7701	775.7701	0.0555		777.1577
Worker	0.4819	0.2835	3.6683	7.4200e-003	0.7697	4.5900e-003	0.7743	0.2042	4.2200e-003	0.2084		737.1897	737.1897	0.0297		737.9333
Total	**0.5634**	**2.9850**	**4.2535**	**0.0148**	**0.9304**	**8.8300e-003**	**0.9393**	**0.2505**	**8.2700e-003**	**0.2587**		**1,512.9598**	**1,512.9598**	**0.0853**		**1,515.0910**

3.4 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**

3.4 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	0.0645	2.1153	0.5151	7.2400e-003	0.1607	1.6800e-003	0.1624	0.0463	1.6100e-003	0.0479		758.1678	758.1678	0.0395		759.1555
Worker	0.4507	0.2595	3.3871	7.1300e-003	0.7697	4.4600e-003	0.7742	0.2042	4.1000e-003	0.2083		709.1494	709.1494	0.0271		709.8265
Total	**0.5152**	**2.3748**	**3.9021**	**0.0144**	**0.9304**	**6.1400e-003**	**0.9366**	**0.2505**	**5.7100e-003**	**0.2562**		**1,467.3172**	**1,467.3172**	**0.0666**		**1,468.9821**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.0645	2.1153	0.5151	7.2400e-003	0.1607	1.6800e-003	0.1624	0.0463	1.6100e-003	0.0479		758.1678	758.1678	0.0395		759.1555
Worker	0.4507	0.2595	3.3871	7.1300e-003	0.7697	4.4600e-003	0.7742	0.2042	4.1000e-003	0.2083		709.1494	709.1494	0.0271		709.8265
Total	**0.5152**	**2.3748**	**3.9021**	**0.0144**	**0.9304**	**6.1400e-003**	**0.9366**	**0.2505**	**5.7100e-003**	**0.2562**		**1,467.3172**	**1,467.3172**	**0.0666**		**1,468.9821**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0507	0.6498	1.2600e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		124.7680	124.7680	5.3400e-003		124.9015
Total	**0.0843**	**0.0507**	**0.6498**	**1.2600e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**124.7680**	**124.7680**	**5.3400e-003**		**124.9015**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0507	0.6498	1.2600e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		124.7680	124.7680	5.3400e-003		124.9015
Total	**0.0843**	**0.0507**	**0.6498**	**1.2600e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**124.7680**	**124.7680**	**5.3400e-003**		**124.9015**

3.5 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	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	0.0786	0.0462	0.5981	1.2100e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		120.1940	120.1940	4.8500e-003		120.3152
Total	**0.0786**	**0.0462**	**0.5981**	**1.2100e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**120.1940**	**120.1940**	**4.8500e-003**		**120.3152**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	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	0.0786	0.0462	0.5981	1.2100e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		120.1940	120.1940	4.8500e-003		120.3152
Total	**0.0786**	**0.0462**	**0.5981**	**1.2100e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**120.1940**	**120.1940**	**4.8500e-003**		**120.3152**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.1647					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**14.3692**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.0943	0.0555	0.7177	1.4500e-003	0.1506	9.0000e-004	0.1515	0.0400	8.3000e-004	0.0408		144.2328	144.2328	5.8200e-003		144.3783
Total	**0.0943**	**0.0555**	**0.7177**	**1.4500e-003**	**0.1506**	**9.0000e-004**	**0.1515**	**0.0400**	**8.3000e-004**	**0.0408**		**144.2328**	**144.2328**	**5.8200e-003**		**144.3783**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	14.1647					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**14.3692**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.0943	0.0555	0.7177	1.4500e-003	0.1506	9.0000e-004	0.1515	0.0400	8.3000e-004	0.0408		144.2328	144.2328	5.8200e-003		144.3783
Total	**0.0943**	**0.0555**	**0.7177**	**1.4500e-003**	**0.1506**	**9.0000e-004**	**0.1515**	**0.0400**	**8.3000e-004**	**0.0408**		**144.2328**	**144.2328**	**5.8200e-003**		**144.3783**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.1647					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	**14.3563**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 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	0.0000	0.0000	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	0.0882	0.0508	0.6627	1.4000e-003	0.1506	8.7000e-004	0.1515	0.0400	8.0000e-004	0.0408		138.7466	138.7466	5.3000e-003		138.8791
Total	**0.0882**	**0.0508**	**0.6627**	**1.4000e-003**	**0.1506**	**8.7000e-004**	**0.1515**	**0.0400**	**8.0000e-004**	**0.0408**		**138.7466**	**138.7466**	**5.3000e-003**		**138.8791**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	14.1647					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	**14.3563**	**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**

3.6 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	0.0000	0.0000	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	0.0882	0.0508	0.6627	1.4000e-003	0.1506	8.7000e-004	0.1515	0.0400	8.0000e-004	0.0408		138.7466	138.7466	5.3000e-003		138.8791
Total	**0.0882**	**0.0508**	**0.6627**	**1.4000e-003**	**0.1506**	**8.7000e-004**	**0.1515**	**0.0400**	**8.0000e-004**	**0.0408**		**138.7466**	**138.7466**	**5.3000e-003**		**138.8791**

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	2.2465	14.1332	21.8175	0.0806	4.6656	0.0359	4.7015	1.2520	0.0336	1.2856		8,260.9850	8,260.9850	0.4623		8,272.5420
Unmitigated	2.2465	14.1332	21.8175	0.0806	4.6656	0.0359	4.7015	1.2520	0.0336	1.2856		8,260.9850	8,260.9850	0.4623		8,272.5420

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	972.32	972.32	972.32	2,168,407	2,168,407
Total	972.32	972.32	972.32	2,168,407	2,168,407

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Single Family Housing	11.00	3.50	4.50	40.00	20.00	40.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.492822	0.035624	0.185121	0.119005	0.014436	0.005121	0.022629	0.112565	0.003037	0.001863	0.006214	0.000779	0.000783
Single Family Housing	0.492822	0.035624	0.185121	0.119005	0.014436	0.005121	0.022629	0.112565	0.003037	0.001863	0.006214	0.000779	0.000783

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	0.0931	0.7957	0.3386	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.7626	1,015.7626	0.0195	0.0186	1,021.7988
NaturalGas Unmitigated	0.0931	0.7957	0.3386	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.7626	1,015.7626	0.0195	0.0186	1,021.7988

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					
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
Single Family Housing	8633.98	0.0931	0.7957	0.3386	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.7626	1,015.7626	0.0195	0.0186	1,021.7988
Total		**0.0931**	**0.7957**	**0.3386**	**5.0800e-003**		**0.0643**	**0.0643**		**0.0643**	**0.0643**		**1,015.7626**	**1,015.7626**	**0.0195**	**0.0186**	**1,021.7988**

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					
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
Single Family Housing	8.63398	0.0931	0.7957	0.3386	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.7626	1,015.7626	0.0195	0.0186	1,021.7988
Total		**0.0931**	**0.7957**	**0.3386**	**5.0800e-003**		**0.0643**	**0.0643**		**0.0643**	**0.0643**		**1,015.7626**	**1,015.7626**	**0.0195**	**0.0186**	**1,021.7988**

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	10.6813	0.9719	8.8717	6.0300e-003		0.1177	0.1177		0.1177	0.1177	0.0000	1,130.9733	1,130.9733	0.0361	0.0205	1,137.9711
Unmitigated	10.6813	0.9719	8.8717	6.0300e-003		0.1177	0.1177		0.1177	0.1177	0.0000	1,130.9733	1,130.9733	0.0361	0.0205	1,137.9711

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	1.4320					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1023	0.8739	0.3719	5.5800e-003		0.0707	0.0707		0.0707	0.0707	0.0000	1,115.6718	1,115.6718	0.0214	0.0205	1,122.3016
Landscaping	0.2561	0.0980	8.4998	4.5000e-004		0.0471	0.0471		0.0471	0.0471		15.3015	15.3015	0.0147		15.6694
Total	**10.6813**	**0.9719**	**8.8717**	**6.0300e-003**		**0.1177**	**0.1177**		**0.1177**	**0.1177**	**0.0000**	**1,130.9733**	**1,130.9733**	**0.0361**	**0.0205**	**1,137.9711**

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	1.4320					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1023	0.8739	0.3719	5.5800e-003		0.0707	0.0707		0.0707	0.0707	0.0000	1,115.6718	1,115.6718	0.0214	0.0205	1,122.3016
Landscaping	0.2561	0.0980	8.4998	4.5000e-004		0.0471	0.0471		0.0471	0.0471		15.3015	15.3015	0.0147		15.6694
Total	**10.6813**	**0.9719**	**8.8717**	**6.0300e-003**		**0.1177**	**0.1177**		**0.1177**	**0.1177**	**0.0000**	**1,130.9733**	**1,130.9733**	**0.0361**	**0.0205**	**1,137.9711**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VENTANA SP

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.00	Acre	3.00	130,680.00	0
Single Family Housing	103.00	Dwelling Unit	42.17	413,300.00	333

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	10			**Operational Year**	2023
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Assumes maximum allowed DU SF for all 103 units per the Specific Plan.

Construction Phase - Assumes a 2 year buildout from June 2021 to June 2023.

On-road Fugitive Dust - All roads in the project area are paved.

Grading - Preliminary grading plans: 74,383 CY of export.

Vehicle Trips - Assumes 972 daily trips per project Traffic Report.

Road Dust - All roads will be paved.

Woodstoves - Wood burning appliances are not proposed.

Construction Off-road Equipment Mitigation - Assumes adhearence to standard dust control measures (SCAQMD Rule 403.1).

Off-road Equipment - Construction equipment list provided by applicant/noise engineer.

Off-road Equipment - Construction equipment list confirmed with project applicant and noise engineer.

Off-road Equipment -

Off-road Equipment - Construction equipment list confirmed with project applicant and noise engineer.

Off-road Equipment -

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	740.00	395.00
tblConstructionPhase	NumDays	55.00	369.00
tblConstructionPhase	PhaseEndDate	8/26/2024	5/1/2023
tblConstructionPhase	PhaseEndDate	11/11/2024	1/14/2022
tblConstructionPhase	PhaseEndDate	1/27/2025	6/1/2023
tblConstructionPhase	PhaseStartDate	8/27/2024	11/1/2021
tblConstructionPhase	PhaseStartDate	11/12/2024	1/1/2022
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	187.50	50.00
tblGrading	MaterialExported	0.00	74,383.00

tblLandUse	LandUseSquareFeet	185,400.00	413,300.00
tblLandUse	LotAcreage	33.44	42.17
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	9.52	9.44

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	4.9465	73.3820	35.6579	0.1568	18.2169	2.0678	20.2623	9.9706	1.9054	11.8524	0.0000	15,965.0759	15,965.0759	2.4777	0.0000	16,027.0180
2022	17.9518	31.2189	37.0114	0.0682	1.2065	1.4693	2.6759	0.3237	1.3754	1.6991	0.0000	6,621.5739	6,621.5739	1.4389	0.0000	6,657.5474
2023	16.4471	18.0918	21.5381	0.0440	1.0810	0.7776	1.8587	0.2904	0.7358	1.0262	0.0000	4,269.2597	4,269.2597	0.6949	0.0000	4,286.6313
Maximum	**17.9518**	**73.3820**	**37.0114**	**0.1568**	**18.2169**	**2.0678**	**20.2623**	**9.9706**	**1.9054**	**11.8524**	**0.0000**	**15,965.0759**	**15,965.0759**	**2.4777**	**0.0000**	**16,027.0180**

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	4.9465	73.3820	35.6579	0.1568	7.1964	2.0678	9.2418	3.9129	1.9054	5.7947	0.0000	15,965.0759	15,965.0759	2.4777	0.0000	16,027.0180
2022	17.9518	31.2189	37.0114	0.0682	1.2065	1.4693	2.6759	0.3237	1.3754	1.6991	0.0000	6,621.5739	6,621.5739	1.4389	0.0000	6,657.5474
2023	16.4471	18.0918	21.5381	0.0440	1.0810	0.7776	1.8587	0.2904	0.7358	1.0262	0.0000	4,269.2597	4,269.2597	0.6949	0.0000	4,286.6313
Maximum	**17.9518**	**73.3820**	**37.0114**	**0.1568**	**7.1964**	**2.0678**	**9.2418**	**3.9129**	**1.9054**	**5.7947**	**0.0000**	**15,965.0759**	**15,965.0759**	**2.4777**	**0.0000**	**16,027.0180**

VENTANA SP - Salton Sea Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.75**	**0.00**	**44.44**	**57.23**	**0.00**	**41.55**	**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	10.6813	0.9719	8.8717	6.0300e-003		0.1177	0.1177		0.1177	0.1177	0.0000	1,130.9733	1,130.9733	0.0361	0.0205	1,137.9711
Energy	0.0931	0.7957	0.3386	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.7626	1,015.7626	0.0195	0.0186	1,021.7988
Mobile	1.6150	13.9793	17.6931	0.0723	4.6656	0.0364	4.7020	1.2520	0.0340	1.2860		7,420.8241	7,420.8241	0.4700		7,432.5749
Total	**12.3893**	**15.7469**	**26.9034**	**0.0834**	**4.6656**	**0.2184**	**4.8840**	**1.2520**	**0.2160**	**1.4681**	**0.0000**	**9,567.5600**	**9,567.5600**	**0.5256**	**0.0391**	**9,592.3448**

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	10.6813	0.9719	8.8717	6.0300e-003		0.1177	0.1177		0.1177	0.1177	0.0000	1,130.9733	1,130.9733	0.0361	0.0205	1,137.9711
Energy	0.0931	0.7957	0.3386	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.7626	1,015.7626	0.0195	0.0186	1,021.7988
Mobile	1.6150	13.9793	17.6931	0.0723	4.6656	0.0364	4.7020	1.2520	0.0340	1.2860		7,420.8241	7,420.8241	0.4700		7,432.5749
Total	**12.3893**	**15.7469**	**26.9034**	**0.0834**	**4.6656**	**0.2184**	**4.8840**	**1.2520**	**0.2160**	**1.4681**	**0.0000**	**9,567.5600**	**9,567.5600**	**0.5256**	**0.0391**	**9,592.3448**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2021	7/12/2021	5	30	
2	Grading	Grading	7/13/2021	10/25/2021	5	75	
3	Building Construction	Building Construction	10/26/2021	5/1/2023	5	395	
4	Paving	Paving	11/1/2021	1/14/2022	5	55	
5	Architectural Coating	Architectural Coating	1/1/2022	6/1/2023	5	369	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 3

Residential Indoor: 836,933; Residential Outdoor: 278,978; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

VENTANA SP - Salton Sea Air Basin, Winter

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	8	20.00	0.00	9,298.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	92.00	32.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

3.2 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**

3.2 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	0.0000	0.0000	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	0.0837	0.0627	0.5565	1.2600e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		125.8036	125.8036	5.0700e-003		125.9304
Total	**0.0837**	**0.0627**	**0.5565**	**1.2600e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**125.8036**	**125.8036**	**5.0700e-003**		**125.9304**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	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**	**7.0458**	**2.0445**	**9.0903**	**3.8730**	**1.8809**	**5.7539**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 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	0.0000	0.0000	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	0.0837	0.0627	0.5565	1.2600e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		125.8036	125.8036	5.0700e-003		125.9304
Total	**0.0837**	**0.0627**	**0.5565**	**1.2600e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**125.8036**	**125.8036**	**5.0700e-003**		**125.9304**

3.3 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					6.9266	0.0000	6.9266	3.4165	0.0000	3.4165			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.9266**	**1.9853**	**8.9119**	**3.4165**	**1.8265**	**5.2430**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6624	26.9125	4.1611	0.0934	2.1730	0.0815	2.2545	0.5961	0.0779	0.6740		9,818.2507	9,818.2507	0.5293		9,831.4819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0930	0.0696	0.6183	1.4100e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		139.7818	139.7818	5.6400e-003		139.9227
Total	**0.7554**	**26.9821**	**4.7794**	**0.0948**	**2.3404**	**0.0825**	**2.4229**	**0.6405**	**0.0789**	**0.7193**		**9,958.0324**	**9,958.0324**	**0.5349**		**9,971.4046**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7014	0.0000	2.7014	1.3324	0.0000	1.3324			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**2.7014**	**1.9853**	**4.6867**	**1.3324**	**1.8265**	**3.1589**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6624	26.9125	4.1611	0.0934	2.1730	0.0815	2.2545	0.5961	0.0779	0.6740		9,818.2507	9,818.2507	0.5293		9,831.4819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0930	0.0696	0.6183	1.4100e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		139.7818	139.7818	5.6400e-003		139.9227
Total	**0.7554**	**26.9821**	**4.7794**	**0.0948**	**2.3404**	**0.0825**	**2.4229**	**0.6405**	**0.0789**	**0.7193**		**9,958.0324**	**9,958.0324**	**0.5349**		**9,971.4046**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0929	2.8268	0.7628	7.1000e-003	0.1607	5.3000e-003	0.1660	0.0463	5.0700e-003	0.0514		742.8391	742.8391	0.0673		744.5219
Worker	0.4277	0.3204	2.8444	6.4700e-003	0.7697	4.7400e-003	0.7745	0.2042	4.3700e-003	0.2085		642.9961	642.9961	0.0259		643.6443
Total	**0.5206**	**3.1472**	**3.6072**	**0.0136**	**0.9304**	**0.0100**	**0.9405**	**0.2505**	**9.4400e-003**	**0.2599**		**1,385.8352**	**1,385.8352**	**0.0932**		**1,388.1662**

Mitigated Construction On-Site

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

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0929	2.8268	0.7628	7.1000e-003	0.1607	5.3000e-003	0.1660	0.0463	5.0700e-003	0.0514		742.8391	742.8391	0.0673		744.5219
Worker	0.4277	0.3204	2.8444	6.4700e-003	0.7697	4.7400e-003	0.7745	0.2042	4.3700e-003	0.2085		642.9961	642.9961	0.0259		643.6443
Total	**0.5206**	**3.1472**	**3.6072**	**0.0136**	**0.9304**	**0.0100**	**0.9405**	**0.2505**	**9.4400e-003**	**0.2599**		**1,385.8352**	**1,385.8352**	**0.0932**		**1,388.1662**

3.4 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**

3.4 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	0.0864	2.6737	0.7053	7.0300e-003	0.1607	4.4600e-003	0.1652	0.0463	4.2700e-003	0.0506		736.4384	736.4384	0.0626		738.0027
Worker	0.4006	0.2916	2.6118	6.2300e-003	0.7697	4.5900e-003	0.7743	0.2042	4.2200e-003	0.2084		619.4865	619.4865	0.0236		620.0770
Total	**0.4869**	**2.9653**	**3.3171**	**0.0133**	**0.9304**	**9.0500e-003**	**0.9395**	**0.2505**	**8.4900e-003**	**0.2590**		**1,355.9249**	**1,355.9249**	**0.0862**		**1,358.0797**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.0864	2.6737	0.7053	7.0300e-003	0.1607	4.4600e-003	0.1652	0.0463	4.2700e-003	0.0506		736.4384	736.4384	0.0626		738.0027
Worker	0.4006	0.2916	2.6118	6.2300e-003	0.7697	4.5900e-003	0.7743	0.2042	4.2200e-003	0.2084		619.4865	619.4865	0.0236		620.0770
Total	**0.4869**	**2.9653**	**3.3171**	**0.0133**	**0.9304**	**9.0500e-003**	**0.9395**	**0.2505**	**8.4900e-003**	**0.2590**		**1,355.9249**	**1,355.9249**	**0.0862**		**1,358.0797**

3.4 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**

3.4 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	0.0679	2.0851	0.6058	6.8800e-003	0.1607	1.7500e-003	0.1624	0.0463	1.6700e-003	0.0480		720.0056	720.0056	0.0444		721.1149
Worker	0.3765	0.2666	2.4064	5.9900e-003	0.7697	4.4600e-003	0.7742	0.2042	4.1000e-003	0.2083		595.9895	595.9895	0.0216		596.5292
Total	**0.4444**	**2.3517**	**3.0122**	**0.0129**	**0.9304**	**6.2100e-003**	**0.9366**	**0.2505**	**5.7700e-003**	**0.2562**		**1,315.9951**	**1,315.9951**	**0.0660**		**1,317.6440**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.0679	2.0851	0.6058	6.8800e-003	0.1607	1.7500e-003	0.1624	0.0463	1.6700e-003	0.0480		720.0056	720.0056	0.0444		721.1149
Worker	0.3765	0.2666	2.4064	5.9900e-003	0.7697	4.4600e-003	0.7742	0.2042	4.1000e-003	0.2083		595.9895	595.9895	0.0216		596.5292
Total	**0.4444**	**2.3517**	**3.0122**	**0.0129**	**0.9304**	**6.2100e-003**	**0.9366**	**0.2505**	**5.7700e-003**	**0.2562**		**1,315.9951**	**1,315.9951**	**0.0660**		**1,317.6440**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0522	0.4638	1.0500e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		104.8363	104.8363	4.2300e-003		104.9420
Total	**0.0697**	**0.0522**	**0.4638**	**1.0500e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**104.8363**	**104.8363**	**4.2300e-003**		**104.9420**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0522	0.4638	1.0500e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		104.8363	104.8363	4.2300e-003		104.9420
Total	**0.0697**	**0.0522**	**0.4638**	**1.0500e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**104.8363**	**104.8363**	**4.2300e-003**		**104.9420**

3.5 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0653	0.0476	0.4258	1.0200e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		101.0032	101.0032	3.8500e-003		101.0995
Total	**0.0653**	**0.0476**	**0.4258**	**1.0200e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**101.0032**	**101.0032**	**3.8500e-003**		**101.0995**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0653	0.0476	0.4258	1.0200e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		101.0032	101.0032	3.8500e-003		101.0995
Total	**0.0653**	**0.0476**	**0.4258**	**1.0200e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**101.0032**	**101.0032**	**3.8500e-003**		**101.0995**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.1647					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**14.3692**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0784	0.0571	0.5110	1.2200e-003	0.1506	9.0000e-004	0.1515	0.0400	8.3000e-004	0.0408		121.2039	121.2039	4.6200e-003		121.3194
Total	**0.0784**	**0.0571**	**0.5110**	**1.2200e-003**	**0.1506**	**9.0000e-004**	**0.1515**	**0.0400**	**8.3000e-004**	**0.0408**		**121.2039**	**121.2039**	**4.6200e-003**		**121.3194**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	14.1647					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**14.3692**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0784	0.0571	0.5110	1.2200e-003	0.1506	9.0000e-004	0.1515	0.0400	8.3000e-004	0.0408		121.2039	121.2039	4.6200e-003		121.3194
Total	**0.0784**	**0.0571**	**0.5110**	**1.2200e-003**	**0.1506**	**9.0000e-004**	**0.1515**	**0.0400**	**8.3000e-004**	**0.0408**		**121.2039**	**121.2039**	**4.6200e-003**		**121.3194**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.1647					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	**14.3563**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 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	0.0000	0.0000	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	0.0737	0.0522	0.4708	1.1700e-003	0.1506	8.7000e-004	0.1515	0.0400	8.0000e-004	0.0408		116.6066	116.6066	4.2200e-003		116.7122
Total	**0.0737**	**0.0522**	**0.4708**	**1.1700e-003**	**0.1506**	**8.7000e-004**	**0.1515**	**0.0400**	**8.0000e-004**	**0.0408**		**116.6066**	**116.6066**	**4.2200e-003**		**116.7122**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	14.1647					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	**14.3563**	**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**

3.6 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	0.0000	0.0000	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	0.0737	0.0522	0.4708	1.1700e-003	0.1506	8.7000e-004	0.1515	0.0400	8.0000e-004	0.0408		116.6066	116.6066	4.2200e-003		116.7122
Total	**0.0737**	**0.0522**	**0.4708**	**1.1700e-003**	**0.1506**	**8.7000e-004**	**0.1515**	**0.0400**	**8.0000e-004**	**0.0408**		**116.6066**	**116.6066**	**4.2200e-003**		**116.7122**

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	1.6150	13.9793	17.6931	0.0723	4.6656	0.0364	4.7020	1.2520	0.0340	1.2860		7,420.8241	7,420.8241	0.4700		7,432.5749
Unmitigated	1.6150	13.9793	17.6931	0.0723	4.6656	0.0364	4.7020	1.2520	0.0340	1.2860		7,420.8241	7,420.8241	0.4700		7,432.5749

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	972.32	972.32	972.32	2,168,407	2,168,407
Total	972.32	972.32	972.32	2,168,407	2,168,407

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Single Family Housing	11.00	3.50	4.50	40.00	20.00	40.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.492822	0.035624	0.185121	0.119005	0.014436	0.005121	0.022629	0.112565	0.003037	0.001863	0.006214	0.000779	0.000783
Single Family Housing	0.492822	0.035624	0.185121	0.119005	0.014436	0.005121	0.022629	0.112565	0.003037	0.001863	0.006214	0.000779	0.000783

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	0.0931	0.7957	0.3386	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.7626	1,015.7626	0.0195	0.0186	1,021.7988
NaturalGas Unmitigated	0.0931	0.7957	0.3386	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.7626	1,015.7626	0.0195	0.0186	1,021.7988

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					
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
Single Family Housing	8633.98	0.0931	0.7957	0.3386	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.7626	1,015.7626	0.0195	0.0186	1,021.7988
Total		**0.0931**	**0.7957**	**0.3386**	**5.0800e-003**		**0.0643**	**0.0643**		**0.0643**	**0.0643**		**1,015.7626**	**1,015.7626**	**0.0195**	**0.0186**	**1,021.7988**

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					
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
Single Family Housing	8.63398	0.0931	0.7957	0.3386	5.0800e-003		0.0643	0.0643		0.0643	0.0643		1,015.7626	1,015.7626	0.0195	0.0186	1,021.7988
Total		**0.0931**	**0.7957**	**0.3386**	**5.0800e-003**		**0.0643**	**0.0643**		**0.0643**	**0.0643**		**1,015.7626**	**1,015.7626**	**0.0195**	**0.0186**	**1,021.7988**

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	10.6813	0.9719	8.8717	6.0300e-003		0.1177	0.1177		0.1177	0.1177	0.0000	1,130.9733	1,130.9733	0.0361	0.0205	1,137.9711
Unmitigated	10.6813	0.9719	8.8717	6.0300e-003		0.1177	0.1177		0.1177	0.1177	0.0000	1,130.9733	1,130.9733	0.0361	0.0205	1,137.9711

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	1.4320					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1023	0.8739	0.3719	5.5800e-003		0.0707	0.0707		0.0707	0.0707	0.0000	1,115.6718	1,115.6718	0.0214	0.0205	1,122.3016
Landscaping	0.2561	0.0980	8.4998	4.5000e-004		0.0471	0.0471		0.0471	0.0471		15.3015	15.3015	0.0147		15.6694
Total	**10.6813**	**0.9719**	**8.8717**	**6.0300e-003**		**0.1177**	**0.1177**		**0.1177**	**0.1177**	**0.0000**	**1,130.9733**	**1,130.9733**	**0.0361**	**0.0205**	**1,137.9711**

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	1.4320					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.8909					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1023	0.8739	0.3719	5.5800e-003		0.0707	0.0707		0.0707	0.0707	0.0000	1,115.6718	1,115.6718	0.0214	0.0205	1,122.3016
Landscaping	0.2561	0.0980	8.4998	4.5000e-004		0.0471	0.0471		0.0471	0.0471		15.3015	15.3015	0.0147		15.6694
Total	**10.6813**	**0.9719**	**8.8717**	**6.0300e-003**		**0.1177**	**0.1177**		**0.1177**	**0.1177**	**0.0000**	**1,130.9733**	**1,130.9733**	**0.0361**	**0.0205**	**1,137.9711**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VENTANA Proposed GPA Buildout

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.00	Acre	3.00	130,680.00	0
Single Family Housing	136.00	Dwelling Unit	42.17	244,800.00	439

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	10			**Operational Year**	2024
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

VENTANA Proposed GPA Buildout - Salton Sea Air Basin, Annual

Project Characteristics - Maximum buildout potential of the site under the proposed GPA of 0-3 DU/AC.

Land Use - Assumes maximum allowed under proposed "Transitional Neighborhood" designation (0-3 DU/AC)

Construction Phase - Assumes a 2.5 year buildout from June 2021 to December 2023 (Operational January 2024).

Off-road Equipment - Default equipment list approved by project applicant and noise engineer.

Off-road Equipment -

Off-road Equipment - Equipment list provided by applicant and noise engineers.

Off-road Equipment -

On-road Fugitive Dust - All roads in the project area are paved.

Grading - Assumes same material export as proposed project: 74,383 CY

Vehicle Trips - Assumes 1,284 daily trips per project Traffic Report.

Road Dust - All roads will be paved.

Woodstoves - Wood burning appliances are not proposed.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes adhearence to standard dust control measures (SCAQMD Rule 403.1).

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	55.00	520.00
tblConstructionPhase	NumDays	740.00	549.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	187.50	50.00
tblGrading	MaterialExported	0.00	74,383.00
tblLandUse	LotAcreage	44.16	42.17
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	9.52	9.44

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	0.3384	4.1740	2.5057	8.1300e-003	0.6481	0.1472	0.7953	0.3091	0.1360	0.4451	0.0000	742.0374	742.0374	0.1301	0.0000	745.2904
2022	1.1183	2.7158	3.0479	6.2500e-003	0.1582	0.1201	0.2783	0.0425	0.1135	0.1561	0.0000	552.4966	552.4966	0.0895	0.0000	554.7331
2023	1.0649	2.2240	2.7057	5.6400e-003	0.1472	0.0941	0.2414	0.0396	0.0891	0.1287	0.0000	498.4343	498.4343	0.0768	0.0000	500.3534
Maximum	**1.1183**	**4.1740**	**3.0479**	**8.1300e-003**	**0.6481**	**0.1472**	**0.7953**	**0.3091**	**0.1360**	**0.4451**	**0.0000**	**742.0374**	**742.0374**	**0.1301**	**0.0000**	**745.2904**

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	0.3384	4.1740	2.5057	8.1300e-003	0.3243	0.1472	0.4715	0.1400	0.1360	0.2761	0.0000	742.0369	742.0369	0.1301	0.0000	745.2900
2022	1.1183	2.7158	3.0479	6.2500e-003	0.1582	0.1201	0.2783	0.0425	0.1135	0.1561	0.0000	552.4961	552.4961	0.0895	0.0000	554.7327
2023	1.0649	2.2240	2.7057	5.6400e-003	0.1472	0.0941	0.2414	0.0396	0.0891	0.1287	0.0000	498.4339	498.4339	0.0768	0.0000	500.3531
Maximum	**1.1183**	**4.1740**	**3.0479**	**8.1300e-003**	**0.3243**	**0.1472**	**0.4715**	**0.1400**	**0.1360**	**0.2761**	**0.0000**	**742.0369**	**742.0369**	**0.1301**	**0.0000**	**745.2900**

VENTANA Proposed GPA Buildout - Salton Sea Air Basin, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**33.95**	**0.00**	**24.62**	**43.21**	**0.00**	**23.16**	**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	**6-1-2021**	**8-31-2021**	2.0587	2.0587
2	**9-1-2021**	**11-30-2021**	1.9901	1.9901
3	**12-1-2021**	**2-28-2022**	1.0926	1.0926
4	**3-1-2022**	**5-31-2022**	0.9548	0.9548
5	**6-1-2022**	**8-31-2022**	0.9562	0.9562
6	**9-1-2022**	**11-30-2022**	0.9431	0.9431
7	**12-1-2022**	**2-28-2023**	0.8844	0.8844
8	**3-1-2023**	**5-31-2023**	0.8814	0.8814
9	**6-1-2023**	**8-31-2023**	0.8827	0.8827
10	**9-1-2023**	**9-30-2023**	0.2878	0.2878
		Highest	2.0587	2.0587

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	1.1511	0.0141	1.0105	7.0000e-005		5.8000e-003	5.8000e-003		5.8000e-003	5.8000e-003	0.0000	4.5228	4.5228	1.6400e-003	5.0000e-005	4.5795
Energy	0.0224	0.1917	0.0816	1.2200e-003		0.0155	0.0155		0.0155	0.0155	0.0000	905.4229	905.4229	0.0199	7.3000e-003	908.0937
Mobile	0.4158	3.3203	4.2596	0.0179	1.1080	8.5800e-003	1.1166	0.2976	8.0100e-003	0.3056	0.0000	1,667.8223	1,667.8223	0.0963	0.0000	1,670.2297
Waste						0.0000	0.0000		0.0000	0.0000	36.5363	0.0000	36.5363	2.1592	0.0000	90.5172
Water						0.0000	0.0000		0.0000	0.0000	2.8112	102.2899	105.1010	0.2911	7.3000e-003	114.5533
Total	**1.5893**	**3.5261**	**5.3516**	**0.0192**	**1.1080**	**0.0299**	**1.1379**	**0.2976**	**0.0293**	**0.3269**	**39.3475**	**2,680.0579**	**2,719.4054**	**2.5681**	**0.0147**	**2,787.9734**

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	1.1511	0.0141	1.0105	7.0000e-005		5.8000e-003	5.8000e-003		5.8000e-003	5.8000e-003	0.0000	4.5228	4.5228	1.6400e-003	5.0000e-005	4.5795
Energy	0.0224	0.1917	0.0816	1.2200e-003		0.0155	0.0155		0.0155	0.0155	0.0000	905.4229	905.4229	0.0199	7.3000e-003	908.0937
Mobile	0.4158	3.3203	4.2596	0.0179	1.1080	8.5800e-003	1.1166	0.2976	8.0100e-003	0.3056	0.0000	1,667.8223	1,667.8223	0.0963	0.0000	1,670.2297
Waste						0.0000	0.0000		0.0000	0.0000	36.5363	0.0000	36.5363	2.1592	0.0000	90.5172
Water						0.0000	0.0000		0.0000	0.0000	2.8112	102.2899	105.1010	0.2911	7.3000e-003	114.5533
Total	**1.5893**	**3.5261**	**5.3516**	**0.0192**	**1.1080**	**0.0299**	**1.1379**	**0.2976**	**0.0293**	**0.3269**	**39.3475**	**2,680.0579**	**2,719.4054**	**2.5681**	**0.0147**	**2,787.9734**

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

3.0 Construction Detail

Construction Phase

VENTANA Proposed GPA Buildout - Salton Sea Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2021	7/12/2021	5	30	
2	Grading	Grading	7/13/2021	10/25/2021	5	75	
3	Building Construction	Building Construction	10/26/2021	12/1/2023	5	549	
4	Paving	Paving	11/1/2021	1/14/2022	5	55	
5	Architectural Coating	Architectural Coating	1/1/2022	12/31/2023	5	520	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 3

Residential Indoor: 495,720; Residential Outdoor: 165,240; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

VENTANA Proposed GPA Buildout - Salton Sea Air Basin, Annual

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

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
Grading	8	20.00	0.00	9,298.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	104.00	36.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

3.2 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					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0583	0.6075	0.3173	5.7000e-004		0.0307	0.0307		0.0282	0.0282	0.0000	50.1536	50.1536	0.0162	0.0000	50.5591
Total	**0.0583**	**0.6075**	**0.3173**	**5.7000e-004**	**0.2710**	**0.0307**	**0.3017**	**0.1490**	**0.0282**	**0.1772**	**0.0000**	**50.1536**	**50.1536**	**0.0162**	**0.0000**	**50.5591**

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	9.2000e-004	9.3400e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8423	1.8423	8.0000e-005	0.0000	1.8442
Total	**1.2800e-003**	**9.2000e-004**	**9.3400e-003**	**2.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2500e-003**	**5.9000e-004**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**1.8423**	**1.8423**	**8.0000e-005**	**0.0000**	**1.8442**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1057	0.0000	0.1057	0.0581	0.0000	0.0581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0583	0.6075	0.3173	5.7000e-004		0.0307	0.0307		0.0282	0.0282	0.0000	50.1535	50.1535	0.0162	0.0000	50.5590
Total	**0.0583**	**0.6075**	**0.3173**	**5.7000e-004**	**0.1057**	**0.0307**	**0.1364**	**0.0581**	**0.0282**	**0.0863**	**0.0000**	**50.1535**	**50.1535**	**0.0162**	**0.0000**	**50.5590**

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	9.2000e-004	9.3400e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8423	1.8423	8.0000e-005	0.0000	1.8442
Total	**1.2800e-003**	**9.2000e-004**	**9.3400e-003**	**2.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2500e-003**	**5.9000e-004**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**1.8423**	**1.8423**	**8.0000e-005**	**0.0000**	**1.8442**

3.3 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					0.2598	0.0000	0.2598	0.1281	0.0000	0.1281	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1572	1.7400	1.1579	2.3300e-003		0.0745	0.0745		0.0685	0.0685	0.0000	204.3562	204.3562	0.0661	0.0000	206.0085
Total	**0.1572**	**1.7400**	**1.1579**	**2.3300e-003**	**0.2598**	**0.0745**	**0.3342**	**0.1281**	**0.0685**	**0.1966**	**0.0000**	**204.3562**	**204.3562**	**0.0661**	**0.0000**	**206.0085**

3.3 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	0.0240	1.0165	0.1407	3.5600e-003	0.0807	3.0200e-003	0.0837	0.0222	2.8900e-003	0.0250	0.0000	339.9294	339.9294	0.0169	0.0000	340.3516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5400e-003	2.5600e-003	0.0259	6.0000e-005	6.2000e-003	4.0000e-005	6.2400e-003	1.6500e-003	4.0000e-005	1.6800e-003	0.0000	5.1175	5.1175	2.1000e-004	0.0000	5.1227
Total	**0.0275**	**1.0191**	**0.1666**	**3.6200e-003**	**0.0869**	**3.0600e-003**	**0.0899**	**0.0238**	**2.9300e-003**	**0.0267**	**0.0000**	**345.0470**	**345.0470**	**0.0171**	**0.0000**	**345.4743**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1013	0.0000	0.1013	0.0500	0.0000	0.0500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1572	1.7400	1.1579	2.3300e-003		0.0745	0.0745		0.0685	0.0685	0.0000	204.3559	204.3559	0.0661	0.0000	206.0083
Total	**0.1572**	**1.7400**	**1.1579**	**2.3300e-003**	**0.1013**	**0.0745**	**0.1758**	**0.0500**	**0.0685**	**0.1185**	**0.0000**	**204.3559**	**204.3559**	**0.0661**	**0.0000**	**206.0083**

3.3 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	0.0240	1.0165	0.1407	3.5600e-003	0.0807	3.0200e-003	0.0837	0.0222	2.8900e-003	0.0250	0.0000	339.9294	339.9294	0.0169	0.0000	340.3516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5400e-003	2.5600e-003	0.0259	6.0000e-005	6.2000e-003	4.0000e-005	6.2400e-003	1.6500e-003	4.0000e-005	1.6800e-003	0.0000	5.1175	5.1175	2.1000e-004	0.0000	5.1227
Total	**0.0275**	**1.0191**	**0.1666**	**3.6200e-003**	**0.0869**	**3.0600e-003**	**0.0899**	**0.0238**	**2.9300e-003**	**0.0267**	**0.0000**	**345.0470**	**345.0470**	**0.0171**	**0.0000**	**345.4743**

3.4 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	0.0466	0.4271	0.4061	6.6000e-004		0.0235	0.0235		0.0221	0.0221	0.0000	56.7511	56.7511	0.0137	0.0000	57.0934
Total	**0.0466**	**0.4271**	**0.4061**	**6.6000e-004**		**0.0235**	**0.0235**		**0.0221**	**0.0221**	**0.0000**	**56.7511**	**56.7511**	**0.0137**	**0.0000**	**57.0934**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4500e-003	0.0789	0.0189	2.0000e-004	4.3900e-003	1.4000e-004	4.5300e-003	1.2700e-003	1.4000e-004	1.4000e-003	0.0000	19.1456	19.1456	1.5700e-003	0.0000	19.1849
Worker	0.0120	8.7000e-003	0.0881	1.9000e-004	0.0211	1.3000e-004	0.0212	5.5900e-003	1.2000e-004	5.7100e-003	0.0000	17.3859	17.3859	7.1000e-004	0.0000	17.4037
Total	**0.0145**	**0.0876**	**0.1070**	**3.9000e-004**	**0.0255**	**2.7000e-004**	**0.0257**	**6.8600e-003**	**2.6000e-004**	**7.1100e-003**	**0.0000**	**36.5315**	**36.5315**	**2.2800e-003**	**0.0000**	**36.5886**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0466	0.4271	0.4061	6.6000e-004		0.0235	0.0235		0.0221	0.0221	0.0000	56.7511	56.7511	0.0137	0.0000	57.0934
Total	**0.0466**	**0.4271**	**0.4061**	**6.6000e-004**		**0.0235**	**0.0235**		**0.0221**	**0.0221**	**0.0000**	**56.7511**	**56.7511**	**0.0137**	**0.0000**	**57.0934**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4500e-003	0.0789	0.0189	2.0000e-004	4.3900e-003	1.4000e-004	4.5300e-003	1.2700e-003	1.4000e-004	1.4000e-003	0.0000	19.1456	19.1456	1.5700e-003	0.0000	19.1849
Worker	0.0120	8.7000e-003	0.0881	1.9000e-004	0.0211	1.3000e-004	0.0212	5.5900e-003	1.2000e-004	5.7100e-003	0.0000	17.3859	17.3859	7.1000e-004	0.0000	17.4037
Total	**0.0145**	**0.0876**	**0.1070**	**3.9000e-004**	**0.0255**	**2.7000e-004**	**0.0257**	**6.8600e-003**	**2.6000e-004**	**7.1100e-003**	**0.0000**	**36.5315**	**36.5315**	**2.2800e-003**	**0.0000**	**36.5886**

3.4 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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2428**	**301.2428**	**0.0722**	**0.0000**	**303.0471**

3.4 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	0.0121	0.3962	0.0924	1.0600e-003	0.0233	6.3000e-004	0.0239	6.7200e-003	6.1000e-004	7.3200e-003	0.0000	100.7342	100.7342	7.7500e-003	0.0000	100.9280
Worker	0.0597	0.0421	0.4302	9.8000e-004	0.1118	6.7000e-004	0.1125	0.0297	6.2000e-004	0.0303	0.0000	88.8746	88.8746	3.4300e-003	0.0000	88.9603
Total	**0.0718**	**0.4383**	**0.5227**	**2.0400e-003**	**0.1350**	**1.3000e-003**	**0.1364**	**0.0364**	**1.2300e-003**	**0.0376**	**0.0000**	**189.6088**	**189.6088**	**0.0112**	**0.0000**	**189.8883**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2425**	**301.2425**	**0.0722**	**0.0000**	**303.0467**

3.4 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	0.0121	0.3962	0.0924	1.0600e-003	0.0233	6.3000e-004	0.0239	6.7200e-003	6.1000e-004	7.3200e-003	0.0000	100.7342	100.7342	7.7500e-003	0.0000	100.9280
Worker	0.0597	0.0421	0.4302	9.8000e-004	0.1118	6.7000e-004	0.1125	0.0297	6.2000e-004	0.0303	0.0000	88.8746	88.8746	3.4300e-003	0.0000	88.9603
Total	**0.0718**	**0.4383**	**0.5227**	**2.0400e-003**	**0.1350**	**1.3000e-003**	**0.1364**	**0.0364**	**1.2300e-003**	**0.0376**	**0.0000**	**189.6088**	**189.6088**	**0.0112**	**0.0000**	**189.8883**

3.4 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	0.1887	1.7262	1.9493	3.2300e-003		0.0840	0.0840		0.0790	0.0790	0.0000	278.1657	278.1657	0.0662	0.0000	279.8200
Total	**0.1887**	**1.7262**	**1.9493**	**3.2300e-003**		**0.0840**	**0.0840**		**0.0790**	**0.0790**	**0.0000**	**278.1657**	**278.1657**	**0.0662**	**0.0000**	**279.8200**

3.4 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	8.7800e-003	0.2851	0.0742	9.6000e-004	0.0215	2.3000e-004	0.0217	6.2000e-003	2.2000e-004	6.4200e-003	0.0000	90.8898	90.8898	5.0800e-003	0.0000	91.0169
Worker	0.0517	0.0355	0.3666	8.7000e-004	0.1032	6.0000e-004	0.1038	0.0274	5.6000e-004	0.0280	0.0000	78.9222	78.9222	2.8900e-003	0.0000	78.9945
Total	**0.0605**	**0.3206**	**0.4408**	**1.8300e-003**	**0.1247**	**8.3000e-004**	**0.1255**	**0.0336**	**7.8000e-004**	**0.0344**	**0.0000**	**169.8121**	**169.8121**	**7.9700e-003**	**0.0000**	**170.0115**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1887	1.7262	1.9493	3.2300e-003		0.0840	0.0840		0.0790	0.0790	0.0000	278.1654	278.1654	0.0662	0.0000	279.8197
Total	**0.1887**	**1.7262**	**1.9493**	**3.2300e-003**		**0.0840**	**0.0840**		**0.0790**	**0.0790**	**0.0000**	**278.1654**	**278.1654**	**0.0662**	**0.0000**	**279.8197**

3.4 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	8.7800e-003	0.2851	0.0742	9.6000e-004	0.0215	2.3000e-004	0.0217	6.2000e-003	2.2000e-004	6.4200e-003	0.0000	90.8898	90.8898	5.0800e-003	0.0000	91.0169
Worker	0.0517	0.0355	0.3666	8.7000e-004	0.1032	6.0000e-004	0.1038	0.0274	5.6000e-004	0.0280	0.0000	78.9222	78.9222	2.8900e-003	0.0000	78.9945
Total	**0.0605**	**0.3206**	**0.4408**	**1.8300e-003**	**0.1247**	**8.3000e-004**	**0.1255**	**0.0336**	**7.8000e-004**	**0.0344**	**0.0000**	**169.8121**	**169.8121**	**7.9700e-003**	**0.0000**	**170.0115**

3.5 Paving - 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	0.0283	0.2907	0.3297	5.1000e-004		0.0153	0.0153		0.0140	0.0140	0.0000	45.0528	45.0528	0.0146	0.0000	45.4171
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0315**	**0.2907**	**0.3297**	**5.1000e-004**		**0.0153**	**0.0153**		**0.0140**	**0.0140**	**0.0000**	**45.0528**	**45.0528**	**0.0146**	**0.0000**	**45.4171**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5900e-003	1.1500e-003	0.0117	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.3029	2.3029	9.0000e-005	0.0000	2.3052
Total	**1.5900e-003**	**1.1500e-003**	**0.0117**	**3.0000e-005**	**2.7900e-003**	**2.0000e-005**	**2.8100e-003**	**7.4000e-004**	**2.0000e-005**	**7.6000e-004**	**0.0000**	**2.3029**	**2.3029**	**9.0000e-005**	**0.0000**	**2.3052**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0283	0.2907	0.3297	5.1000e-004		0.0153	0.0153		0.0140	0.0140	0.0000	45.0528	45.0528	0.0146	0.0000	45.4171
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0315**	**0.2907**	**0.3297**	**5.1000e-004**		**0.0153**	**0.0153**		**0.0140**	**0.0140**	**0.0000**	**45.0528**	**45.0528**	**0.0146**	**0.0000**	**45.4171**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5900e-003	1.1500e-003	0.0117	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.3029	2.3029	9.0000e-005	0.0000	2.3052
Total	**1.5900e-003**	**1.1500e-003**	**0.0117**	**3.0000e-005**	**2.7900e-003**	**2.0000e-005**	**2.8100e-003**	**7.4000e-004**	**2.0000e-005**	**7.6000e-004**	**0.0000**	**2.3029**	**2.3029**	**9.0000e-005**	**0.0000**	**2.3052**

3.5 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	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0948
Paving	7.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.2200e-003**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0948**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.3000e-004	2.3900e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4930	0.4930	2.0000e-005	0.0000	0.4935
Total	**3.3000e-004**	**2.3000e-004**	**2.3900e-003**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**6.2000e-004**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.4930**	**0.4930**	**2.0000e-005**	**0.0000**	**0.4935**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0947
Paving	7.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.2200e-003**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0947**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.3000e-004	2.3900e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4930	0.4930	2.0000e-005	0.0000	0.4935
Total	**3.3000e-004**	**2.3000e-004**	**2.3900e-003**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**6.2000e-004**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.4930**	**0.4930**	**2.0000e-005**	**0.0000**	**0.4935**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7795					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	**0.8061**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**	**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2463**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0121	8.4900e-003	0.0869	2.0000e-004	0.0226	1.4000e-004	0.0227	5.9900e-003	1.3000e-004	6.1200e-003	0.0000	17.9458	17.9458	6.9000e-004	0.0000	17.9631
Total	**0.0121**	**8.4900e-003**	**0.0869**	**2.0000e-004**	**0.0226**	**1.4000e-004**	**0.0227**	**5.9900e-003**	**1.3000e-004**	**6.1200e-003**	**0.0000**	**17.9458**	**17.9458**	**6.9000e-004**	**0.0000**	**17.9631**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7795					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	**0.8061**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**	**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2463**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0121	8.4900e-003	0.0869	2.0000e-004	0.0226	1.4000e-004	0.0227	5.9900e-003	1.3000e-004	6.1200e-003	0.0000	17.9458	17.9458	6.9000e-004	0.0000	17.9631
Total	**0.0121**	**8.4900e-003**	**0.0869**	**2.0000e-004**	**0.0226**	**1.4000e-004**	**0.0227**	**5.9900e-003**	**1.3000e-004**	**6.1200e-003**	**0.0000**	**17.9458**	**17.9458**	**6.9000e-004**	**0.0000**	**17.9631**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7795					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**0.8044**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 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	0.0000	0.0000	0.0000	0.0000	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	0.0113	7.7700e-003	0.0802	1.9000e-004	0.0226	1.3000e-004	0.0227	5.9900e-003	1.2000e-004	6.1100e-003	0.0000	17.2642	17.2642	6.3000e-004	0.0000	17.2801
Total	**0.0113**	**7.7700e-003**	**0.0802**	**1.9000e-004**	**0.0226**	**1.3000e-004**	**0.0227**	**5.9900e-003**	**1.2000e-004**	**6.1100e-003**	**0.0000**	**17.2642**	**17.2642**	**6.3000e-004**	**0.0000**	**17.2801**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7795					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**0.8044**	**0.1694**	**0.2354**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 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	0.0000	0.0000	0.0000	0.0000	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	0.0113	7.7700e-003	0.0802	1.9000e-004	0.0226	1.3000e-004	0.0227	5.9900e-003	1.2000e-004	6.1100e-003	0.0000	17.2642	17.2642	6.3000e-004	0.0000	17.2801
Total	**0.0113**	**7.7700e-003**	**0.0802**	**1.9000e-004**	**0.0226**	**1.3000e-004**	**0.0227**	**5.9900e-003**	**1.2000e-004**	**6.1100e-003**	**0.0000**	**17.2642**	**17.2642**	**6.3000e-004**	**0.0000**	**17.2801**

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	0.4158	3.3203	4.2596	0.0179	1.1080	8.5800e-003	1.1166	0.2976	8.0100e-003	0.3056	0.0000	1,667.8223	1,667.8223	0.0963	0.0000	1,670.2297
Unmitigated	0.4158	3.3203	4.2596	0.0179	1.1080	8.5800e-003	1.1166	0.2976	8.0100e-003	0.3056	0.0000	1,667.8223	1,667.8223	0.0963	0.0000	1,670.2297

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,283.84	1,283.84	1283.84	2,863,139	2,863,139
Total	1,283.84	1,283.84	1,283.84	2,863,139	2,863,139

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Single Family Housing	11.00	3.50	4.50	40.00	20.00	40.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.495479	0.035270	0.186408	0.116756	0.013751	0.005010	0.022691	0.111931	0.003082	0.001854	0.006243	0.000776	0.000749
Single Family Housing	0.495479	0.035270	0.186408	0.116756	0.013751	0.005010	0.022691	0.111931	0.003082	0.001854	0.006243	0.000776	0.000749

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	683.3720	683.3720	0.0156	3.2300e-003	684.7232
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	683.3720	683.3720	0.0156	3.2300e-003	684.7232
NaturalGas Mitigated	0.0224	0.1917	0.0816	1.2200e-003		0.0155	0.0155		0.0155	0.0155	0.0000	222.0509	222.0509	4.2600e-003	4.0700e-003	223.3704
NaturalGas Unmitigated	0.0224	0.1917	0.0816	1.2200e-003		0.0155	0.0155		0.0155	0.0155	0.0000	222.0509	222.0509	4.2600e-003	4.0700e-003	223.3704

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					
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
Single Family Housing	4.16108e+006	0.0224	0.1917	0.0816	1.2200e-003		0.0155	0.0155		0.0155	0.0155	0.0000	222.0509	222.0509	4.2600e-003	4.0700e-003	223.3704
Total		**0.0224**	**0.1917**	**0.0816**	**1.2200e-003**		**0.0155**	**0.0155**		**0.0155**	**0.0155**	**0.0000**	**222.0509**	**222.0509**	**4.2600e-003**	**4.0700e-003**	**223.3704**

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					
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
Single Family Housing	4.16108e+006	0.0224	0.1917	0.0816	1.2200e-003		0.0155	0.0155		0.0155	0.0155	0.0000	222.0509	222.0509	4.2600e-003	4.0700e-003	223.3704
Total		**0.0224**	**0.1917**	**0.0816**	**1.2200e-003**		**0.0155**	**0.0155**		**0.0155**	**0.0155**	**0.0000**	**222.0509**	**222.0509**	**4.2600e-003**	**4.0700e-003**	**223.3704**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.18544e+006	683.3720	0.0156	3.2300e-003	684.7232
Total		**683.3720**	**0.0156**	**3.2300e-003**	**684.7232**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.18544e+006	683.3720	0.0156	3.2300e-003	684.7232
Total		**683.3720**	**0.0156**	**3.2300e-003**	**684.7232**

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	1.1511	0.0141	1.0105	7.0000e-005		5.8000e-003	5.8000e-003		5.8000e-003	5.8000e-003	0.0000	4.5228	4.5228	1.6400e-003	5.0000e-005	4.5795
Unmitigated	1.1511	0.0141	1.0105	7.0000e-005		5.8000e-003	5.8000e-003		5.8000e-003	5.8000e-003	0.0000	4.5228	4.5228	1.6400e-003	5.0000e-005	4.5795

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	0.1559					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9645					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.9000e-004	2.4800e-003	1.0600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8732	2.8732	6.0000e-005	5.0000e-005	2.8903
Landscaping	0.0304	0.0116	1.0094	5.0000e-005		5.5900e-003	5.5900e-003		5.5900e-003	5.5900e-003	0.0000	1.6496	1.6496	1.5800e-003	0.0000	1.6891
Total	**1.1511**	**0.0141**	**1.0105**	**7.0000e-005**		**5.7900e-003**	**5.7900e-003**		**5.7900e-003**	**5.7900e-003**	**0.0000**	**4.5228**	**4.5228**	**1.6400e-003**	**5.0000e-005**	**4.5795**

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	0.1559					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9645					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.9000e-004	2.4800e-003	1.0600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	2.8732	2.8732	6.0000e-005	5.0000e-005	2.8903
Landscaping	0.0304	0.0116	1.0094	5.0000e-005		5.5900e-003	5.5900e-003		5.5900e-003	5.5900e-003	0.0000	1.6496	1.6496	1.5800e-003	0.0000	1.6891
Total	**1.1511**	**0.0141**	**1.0105**	**7.0000e-005**		**5.7900e-003**	**5.7900e-003**		**5.7900e-003**	**5.7900e-003**	**0.0000**	**4.5228**	**4.5228**	**1.6400e-003**	**5.0000e-005**	**4.5795**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	105.1010	0.2911	7.3000e-003	114.5533
Unmitigated	105.1010	0.2911	7.3000e-003	114.5533

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.86095 / 5.58625	105.1010	0.2911	7.3000e-003	114.5533
Total		**105.1010**	**0.2911**	**7.3000e-003**	**114.5533**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.86095 / 5.58625	105.1010	0.2911	7.3000e-003	114.5533
Total		**105.1010**	**0.2911**	**7.3000e-003**	**114.5533**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	36.5363	2.1592	0.0000	90.5172
Unmitigated	36.5363	2.1592	0.0000	90.5172

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	179.99	36.5363	2.1592	0.0000	90.5172
Total		**36.5363**	**2.1592**	**0.0000**	**90.5172**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	179.99	36.5363	2.1592	0.0000	90.5172
Total		**36.5363**	**2.1592**	**0.0000**	**90.5172**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VENTANA Proposed GPA Buildout

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.00	Acre	3.00	130,680.00	0
Single Family Housing	136.00	Dwelling Unit	42.17	244,800.00	439

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	10			**Operational Year**	2024
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

VENTANA Proposed GPA Buildout - Salton Sea Air Basin, Summer

Project Characteristics - Maximum buildout potential of the site under the proposed GPA of 0-3 DU/AC.

Land Use - Assumes maximum allowed under proposed "Transitional Neighborhood" designation (0-3 DU/AC)

Construction Phase - Assumes a 2.5 year buildout from June 2021 to December 2023 (Operational January 2024).

Off-road Equipment - Default equipment list approved by project applicant and noise engineer.

Off-road Equipment -

Off-road Equipment - Equipment list provided by applicant and noise engineers.

Off-road Equipment -

On-road Fugitive Dust - All roads in the project area are paved.

Grading - Assumes same material export as proposed project: 74,383 CY

Vehicle Trips - Assumes 1,284 daily trips per project Traffic Report.

Road Dust - All roads will be paved.

Woodstoves - Wood burning appliances are not proposed.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes adhearence to standard dust control measures (SCAQMD Rule 403.1).

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	55.00	520.00
tblConstructionPhase	NumDays	740.00	549.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	187.50	50.00
tblGrading	MaterialExported	0.00	74,383.00
tblLandUse	LotAcreage	44.16	42.17
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	9.52	9.44

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	4.9280	72.9415	37.0989	0.1599	18.2169	2.0662	20.2623	9.9706	1.9038	11.8524	0.0000	16,291.5895	16,291.5895	2.4230	0.0000	16,352.1635
2022	9.9778	31.6196	38.9980	0.0723	1.3521	1.4704	2.8225	0.3628	1.3763	1.7391	0.0000	7,037.9937	7,037.9937	1.4520	0.0000	7,074.2931
2023	8.4456	18.4201	23.2365	0.0477	1.2266	0.7785	2.0051	0.3295	0.7366	1.0661	0.0000	4,653.1149	4,653.1149	0.7059	0.0000	4,670.7633
Maximum	**9.9778**	**72.9415**	**38.9980**	**0.1599**	**18.2169**	**2.0662**	**20.2623**	**9.9706**	**1.9038**	**11.8524**	**0.0000**	**16,291.5895**	**16,291.5895**	**2.4230**	**0.0000**	**16,352.1635**

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	4.9280	72.9415	37.0989	0.1599	7.1964	2.0662	9.2418	3.9129	1.9038	5.7947	0.0000	16,291.5895	16,291.5895	2.4230	0.0000	16,352.1635
2022	9.9778	31.6196	38.9980	0.0723	1.3521	1.4704	2.8225	0.3628	1.3763	1.7391	0.0000	7,037.9937	7,037.9937	1.4520	0.0000	7,074.2931
2023	8.4456	18.4201	23.2365	0.0477	1.2266	0.7785	2.0051	0.3295	0.7366	1.0661	0.0000	4,653.1149	4,653.1149	0.7059	0.0000	4,670.7632
Maximum	**9.9778**	**72.9415**	**38.9980**	**0.1599**	**7.1964**	**2.0662**	**9.2418**	**3.9129**	**1.9038**	**5.7947**	**0.0000**	**16,291.5895**	**16,291.5895**	**2.4230**	**0.0000**	**16,352.1635**

VENTANA Proposed GPA Buildout - Salton Sea Air Basin, 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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**52.99**	**0.00**	**43.92**	**56.81**	**0.00**	**41.33**	**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	6.6116	1.2832	11.7068	7.9600e-003		0.1555	0.1555		0.1555	0.1555	0.0000	1,493.3238	1,493.3238	0.0476	0.0270	1,502.5625
Energy	0.1229	1.0506	0.4471	6.7100e-003		0.0849	0.0849		0.0849	0.0849		1,341.2011	1,341.2011	0.0257	0.0246	1,349.1712
Mobile	2.8417	18.2711	27.5687	0.1044	6.1591	0.0470	6.2061	1.6526	0.0439	1.6965		10,701.6982	10,701.6982	0.5884		10,716.4081
Total	**9.5762**	**20.6049**	**39.7226**	**0.1190**	**6.1591**	**0.2874**	**6.4465**	**1.6526**	**0.2843**	**1.9369**	**0.0000**	**13,536.2231**	**13,536.2231**	**0.6617**	**0.0516**	**13,568.1418**

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	6.6116	1.2832	11.7068	7.9600e-003		0.1555	0.1555		0.1555	0.1555	0.0000	1,493.3238	1,493.3238	0.0476	0.0270	1,502.5625
Energy	0.1229	1.0506	0.4471	6.7100e-003		0.0849	0.0849		0.0849	0.0849		1,341.2011	1,341.2011	0.0257	0.0246	1,349.1712
Mobile	2.8417	18.2711	27.5687	0.1044	6.1591	0.0470	6.2061	1.6526	0.0439	1.6965		10,701.6982	10,701.6982	0.5884		10,716.4081
Total	**9.5762**	**20.6049**	**39.7226**	**0.1190**	**6.1591**	**0.2874**	**6.4465**	**1.6526**	**0.2843**	**1.9369**	**0.0000**	**13,536.2231**	**13,536.2231**	**0.6617**	**0.0516**	**13,568.1418**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2021	7/12/2021	5	30	
2	Grading	Grading	7/13/2021	10/25/2021	5	75	
3	Building Construction	Building Construction	10/26/2021	12/1/2023	5	549	
4	Paving	Paving	11/1/2021	1/14/2022	5	55	
5	Architectural Coating	Architectural Coating	1/1/2022	12/31/2023	5	520	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 3

Residential Indoor: 495,720; Residential Outdoor: 165,240; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

VENTANA Proposed GPA Buildout - Salton Sea Air Basin, Summer

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

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
Grading	8	20.00	0.00	9,298.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	104.00	36.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

3.2 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**

3.2 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	0.0000	0.0000	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	0.1012	0.0609	0.7797	1.5100e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		149.7216	149.7216	6.4100e-003		149.8818
Total	**0.1012**	**0.0609**	**0.7797**	**1.5100e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**149.7216**	**149.7216**	**6.4100e-003**		**149.8818**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	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**	**7.0458**	**2.0445**	**9.0903**	**3.8730**	**1.8809**	**5.7539**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 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	0.0000	0.0000	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	0.1012	0.0609	0.7797	1.5100e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		149.7216	149.7216	6.4100e-003		149.8818
Total	**0.1012**	**0.0609**	**0.7797**	**1.5100e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**149.7216**	**149.7216**	**6.4100e-003**		**149.8818**

3.3 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					6.9266	0.0000	6.9266	3.4165	0.0000	3.4165			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.9266**	**1.9853**	**8.9119**	**3.4165**	**1.8265**	**5.2430**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6245	26.4741	3.4610	0.0963	2.1730	0.0798	2.2529	0.5961	0.0764	0.6725		10,118.1888	10,118.1888	0.4730		10,130.0148
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1124	0.0676	0.8663	1.6700e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		166.3573	166.3573	7.1200e-003		166.5353
Total	**0.7369**	**26.5417**	**4.3273**	**0.0979**	**2.3404**	**0.0809**	**2.4212**	**0.6405**	**0.0773**	**0.7178**		**10,284.5461**	**10,284.5461**	**0.4802**		**10,296.5501**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7014	0.0000	2.7014	1.3324	0.0000	1.3324			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**2.7014**	**1.9853**	**4.6867**	**1.3324**	**1.8265**	**3.1589**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6245	26.4741	3.4610	0.0963	2.1730	0.0798	2.2529	0.5961	0.0764	0.6725		10,118.1888	10,118.1888	0.4730		10,130.0148
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1124	0.0676	0.8663	1.6700e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		166.3573	166.3573	7.1200e-003		166.5353
Total	**0.7369**	**26.5417**	**4.3273**	**0.0979**	**2.3404**	**0.0809**	**2.4212**	**0.6405**	**0.0773**	**0.7178**		**10,284.5461**	**10,284.5461**	**0.4802**		**10,296.5501**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0988	3.2067	0.7158	8.4000e-003	0.1808	5.6900e-003	0.1865	0.0521	5.4400e-003	0.0575		880.0197	880.0197	0.0673		881.7021
Worker	0.5845	0.3517	4.5049	8.7100e-003	0.8701	5.3600e-003	0.8755	0.2308	4.9400e-003	0.2357		865.0580	865.0580	0.0370		865.9835
Total	**0.6834**	**3.5584**	**5.2207**	**0.0171**	**1.0509**	**0.0111**	**1.0620**	**0.2829**	**0.0104**	**0.2933**		**1,745.0777**	**1,745.0777**	**0.1043**		**1,747.6856**

Mitigated Construction On-Site

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

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0988	3.2067	0.7158	8.4000e-003	0.1808	5.6900e-003	0.1865	0.0521	5.4400e-003	0.0575		880.0197	880.0197	0.0673		881.7021
Worker	0.5845	0.3517	4.5049	8.7100e-003	0.8701	5.3600e-003	0.8755	0.2308	4.9400e-003	0.2357		865.0580	865.0580	0.0370		865.9835
Total	**0.6834**	**3.5584**	**5.2207**	**0.0171**	**1.0509**	**0.0111**	**1.0620**	**0.2829**	**0.0104**	**0.2933**		**1,745.0777**	**1,745.0777**	**0.1043**		**1,747.6856**

3.4 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**

3.4 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	0.0917	3.0391	0.6584	8.3300e-003	0.1808	4.7700e-003	0.1856	0.0521	4.5600e-003	0.0566		872.7413	872.7413	0.0625		874.3025
Worker	0.5447	0.3205	4.1467	8.3900e-003	0.8701	5.1900e-003	0.8753	0.2308	4.7800e-003	0.2356		833.3449	833.3449	0.0336		834.1854
Total	**0.6365**	**3.3596**	**4.8051**	**0.0167**	**1.0509**	**9.9600e-003**	**1.0609**	**0.2829**	**9.3400e-003**	**0.2922**		**1,706.0862**	**1,706.0862**	**0.0961**		**1,708.4879**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.0917	3.0391	0.6584	8.3300e-003	0.1808	4.7700e-003	0.1856	0.0521	4.5600e-003	0.0566		872.7413	872.7413	0.0625		874.3025
Worker	0.5447	0.3205	4.1467	8.3900e-003	0.8701	5.1900e-003	0.8753	0.2308	4.7800e-003	0.2356		833.3449	833.3449	0.0336		834.1854
Total	**0.6365**	**3.3596**	**4.8051**	**0.0167**	**1.0509**	**9.9600e-003**	**1.0609**	**0.2829**	**9.3400e-003**	**0.2922**		**1,706.0862**	**1,706.0862**	**0.0961**		**1,708.4879**

3.4 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**

3.4 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	0.0725	2.3797	0.5794	8.1400e-003	0.1808	1.8900e-003	0.1827	0.0521	1.8100e-003	0.0539		852.9388	852.9388	0.0445		854.0500
Worker	0.5095	0.2934	3.8289	8.0600e-003	0.8701	5.0400e-003	0.8752	0.2308	4.6400e-003	0.2354		801.6471	801.6471	0.0306		802.4126
Total	**0.5821**	**2.6730**	**4.4083**	**0.0162**	**1.0509**	**6.9300e-003**	**1.0579**	**0.2829**	**6.4500e-003**	**0.2893**		**1,654.5859**	**1,654.5859**	**0.0751**		**1,656.4626**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.0725	2.3797	0.5794	8.1400e-003	0.1808	1.8900e-003	0.1827	0.0521	1.8100e-003	0.0539		852.9388	852.9388	0.0445		854.0500
Worker	0.5095	0.2934	3.8289	8.0600e-003	0.8701	5.0400e-003	0.8752	0.2308	4.6400e-003	0.2354		801.6471	801.6471	0.0306		802.4126
Total	**0.5821**	**2.6730**	**4.4083**	**0.0162**	**1.0509**	**6.9300e-003**	**1.0579**	**0.2829**	**6.4500e-003**	**0.2893**		**1,654.5859**	**1,654.5859**	**0.0751**		**1,656.4626**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0507	0.6498	1.2600e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		124.7680	124.7680	5.3400e-003		124.9015
Total	**0.0843**	**0.0507**	**0.6498**	**1.2600e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**124.7680**	**124.7680**	**5.3400e-003**		**124.9015**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0507	0.6498	1.2600e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		124.7680	124.7680	5.3400e-003		124.9015
Total	**0.0843**	**0.0507**	**0.6498**	**1.2600e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**124.7680**	**124.7680**	**5.3400e-003**		**124.9015**

3.5 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	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	0.0786	0.0462	0.5981	1.2100e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		120.1940	120.1940	4.8500e-003		120.3152
Total	**0.0786**	**0.0462**	**0.5981**	**1.2100e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**120.1940**	**120.1940**	**4.8500e-003**		**120.3152**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	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	0.0786	0.0462	0.5981	1.2100e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		120.1940	120.1940	4.8500e-003		120.3152
Total	**0.0786**	**0.0462**	**0.5981**	**1.2100e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**120.1940**	**120.1940**	**4.8500e-003**		**120.3152**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9963					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**6.2008**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.1100	0.0647	0.8373	1.6900e-003	0.1757	1.0500e-003	0.1768	0.0466	9.6000e-004	0.0476		168.2716	168.2716	6.7900e-003		168.4413
Total	**0.1100**	**0.0647**	**0.8373**	**1.6900e-003**	**0.1757**	**1.0500e-003**	**0.1768**	**0.0466**	**9.6000e-004**	**0.0476**		**168.2716**	**168.2716**	**6.7900e-003**		**168.4413**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.9963					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**6.2008**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.1100	0.0647	0.8373	1.6900e-003	0.1757	1.0500e-003	0.1768	0.0466	9.6000e-004	0.0476		168.2716	168.2716	6.7900e-003		168.4413
Total	**0.1100**	**0.0647**	**0.8373**	**1.6900e-003**	**0.1757**	**1.0500e-003**	**0.1768**	**0.0466**	**9.6000e-004**	**0.0476**		**168.2716**	**168.2716**	**6.7900e-003**		**168.4413**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9963					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	**6.1879**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 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	0.0000	0.0000	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	0.1029	0.0592	0.7731	1.6300e-003	0.1757	1.0200e-003	0.1767	0.0466	9.4000e-004	0.0475		161.8711	161.8711	6.1800e-003		162.0256
Total	**0.1029**	**0.0592**	**0.7731**	**1.6300e-003**	**0.1757**	**1.0200e-003**	**0.1767**	**0.0466**	**9.4000e-004**	**0.0475**		**161.8711**	**161.8711**	**6.1800e-003**		**162.0256**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.9963					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	**6.1879**	**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**

3.6 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	0.0000	0.0000	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	0.1029	0.0592	0.7731	1.6300e-003	0.1757	1.0200e-003	0.1767	0.0466	9.4000e-004	0.0475		161.8711	161.8711	6.1800e-003		162.0256
Total	**0.1029**	**0.0592**	**0.7731**	**1.6300e-003**	**0.1757**	**1.0200e-003**	**0.1767**	**0.0466**	**9.4000e-004**	**0.0475**		**161.8711**	**161.8711**	**6.1800e-003**		**162.0256**

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	2.8417	18.2711	27.5687	0.1044	6.1591	0.0470	6.2061	1.6526	0.0439	1.6965		10,701.6982	10,701.6982	0.5884		10,716.4081
Unmitigated	2.8417	18.2711	27.5687	0.1044	6.1591	0.0470	6.2061	1.6526	0.0439	1.6965		10,701.6982	10,701.6982	0.5884		10,716.4081

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,283.84	1,283.84	1283.84	2,863,139	2,863,139
Total	1,283.84	1,283.84	1,283.84	2,863,139	2,863,139

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Single Family Housing	11.00	3.50	4.50	40.00	20.00	40.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.495479	0.035270	0.186408	0.116756	0.013751	0.005010	0.022691	0.111931	0.003082	0.001854	0.006243	0.000776	0.000749
Single Family Housing	0.495479	0.035270	0.186408	0.116756	0.013751	0.005010	0.022691	0.111931	0.003082	0.001854	0.006243	0.000776	0.000749

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	0.1229	1.0506	0.4471	6.7100e-003		0.0849	0.0849		0.0849	0.0849		1,341.2011	1,341.2011	0.0257	0.0246	1,349.1712
NaturalGas Unmitigated	0.1229	1.0506	0.4471	6.7100e-003		0.0849	0.0849		0.0849	0.0849		1,341.2011	1,341.2011	0.0257	0.0246	1,349.1712

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					
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
Single Family Housing	11400.2	0.1229	1.0506	0.4471	6.7100e-003		0.0849	0.0849		0.0849	0.0849		1,341.2011	1,341.2011	0.0257	0.0246	1,349.1712
Total		**0.1229**	**1.0506**	**0.4471**	**6.7100e-003**		**0.0849**	**0.0849**		**0.0849**	**0.0849**		**1,341.2011**	**1,341.2011**	**0.0257**	**0.0246**	**1,349.1712**

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					
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
Single Family Housing	11.4002	0.1229	1.0506	0.4471	6.7100e-003		0.0849	0.0849		0.0849	0.0849		1,341.2011	1,341.2011	0.0257	0.0246	1,349.1712
Total		**0.1229**	**1.0506**	**0.4471**	**6.7100e-003**		**0.0849**	**0.0849**		**0.0849**	**0.0849**		**1,341.2011**	**1,341.2011**	**0.0257**	**0.0246**	**1,349.1712**

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	6.6116	1.2832	11.7068	7.9600e-003		0.1555	0.1555		0.1555	0.1555	0.0000	1,493.3238	1,493.3238	0.0476	0.0270	1,502.5625
Unmitigated	6.6116	1.2832	11.7068	7.9600e-003		0.1555	0.1555		0.1555	0.1555	0.0000	1,493.3238	1,493.3238	0.0476	0.0270	1,502.5625

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	0.8543					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1350	1.1539	0.4910	7.3700e-003		0.0933	0.0933		0.0933	0.0933	0.0000	1,473.1200	1,473.1200	0.0282	0.0270	1,481.8740
Landscaping	0.3373	0.1292	11.2158	5.9000e-004		0.0622	0.0622		0.0622	0.0622		20.2038	20.2038	0.0194		20.6884
Total	**6.6116**	**1.2832**	**11.7068**	**7.9600e-003**		**0.1555**	**0.1555**		**0.1555**	**0.1555**	**0.0000**	**1,493.3238**	**1,493.3238**	**0.0476**	**0.0270**	**1,502.5625**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8543					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1350	1.1539	0.4910	7.3700e-003		0.0933	0.0933		0.0933	0.0933	0.0000	1,473.1200	1,473.1200	0.0282	0.0270	1,481.8740
Landscaping	0.3373	0.1292	11.2158	5.9000e-004		0.0622	0.0622		0.0622	0.0622		20.2038	20.2038	0.0194		20.6884
Total	**6.6116**	**1.2832**	**11.7068**	**7.9600e-003**		**0.1555**	**0.1555**		**0.1555**	**0.1555**	**0.0000**	**1,493.3238**	**1,493.3238**	**0.0476**	**0.0270**	**1,502.5625**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VENTANA Proposed GPA Buildout

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.00	Acre	3.00	130,680.00	0
Single Family Housing	136.00	Dwelling Unit	42.17	244,800.00	439

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	10			**Operational Year**	2024
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

VENTANA Proposed GPA Buildout - Salton Sea Air Basin, Winter

Project Characteristics - Maximum buildout potential of the site under the proposed GPA of 0-3 DU/AC.

Land Use - Assumes maximum allowed under proposed "Transitional Neighborhood" designation (0-3 DU/AC)

Construction Phase - Assumes a 2.5 year buildout from June 2021 to December 2023 (Operational January 2024).

Off-road Equipment - Default equipment list approved by project applicant and noise engineer.

Off-road Equipment -

Off-road Equipment - Equipment list provided by applicant and noise engineers.

Off-road Equipment -

On-road Fugitive Dust - All roads in the project area are paved.

Grading - Assumes same material export as proposed project: 74,383 CY

Vehicle Trips - Assumes 1,284 daily trips per project Traffic Report.

Road Dust - All roads will be paved.

Woodstoves - Wood burning appliances are not proposed.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes adhearence to standard dust control measures (SCAQMD Rule 403.1).

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	55.00	520.00
tblConstructionPhase	NumDays	740.00	549.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	187.50	50.00
tblGrading	MaterialExported	0.00	74,383.00
tblLandUse	LotAcreage	44.16	42.17
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	9.52	9.44

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	4.9465	73.3820	35.7657	0.1568	18.2169	2.0678	20.2623	9.9706	1.9054	11.8524	0.0000	15,965.0759	15,965.0759	2.4777	0.0000	16,027.0180
2022	9.8595	31.6006	37.5253	0.0701	1.3521	1.4706	2.8228	0.3628	1.3766	1.7394	0.0000	6,814.6319	6,814.6319	1.4506	0.0000	6,850.8972
2023	8.3486	18.3959	22.0062	0.0458	1.2266	0.7786	2.0052	0.3295	0.7367	1.0662	0.0000	4,456.4326	4,456.4326	0.7039	0.0000	4,474.0309
Maximum	**9.8595**	**73.3820**	**37.5253**	**0.1568**	**18.2169**	**2.0678**	**20.2623**	**9.9706**	**1.9054**	**11.8524**	**0.0000**	**15,965.0759**	**15,965.0759**	**2.4777**	**0.0000**	**16,027.0180**

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	4.9465	73.3820	35.7657	0.1568	7.1964	2.0678	9.2418	3.9129	1.9054	5.7947	0.0000	15,965.0759	15,965.0759	2.4777	0.0000	16,027.0180
2022	9.8595	31.6006	37.5253	0.0701	1.3521	1.4706	2.8228	0.3628	1.3766	1.7394	0.0000	6,814.6319	6,814.6319	1.4506	0.0000	6,850.8972
2023	8.3486	18.3959	22.0062	0.0458	1.2266	0.7786	2.0052	0.3295	0.7367	1.0662	0.0000	4,456.4326	4,456.4326	0.7039	0.0000	4,474.0309
Maximum	**9.8595**	**73.3820**	**37.5253**	**0.1568**	**7.1964**	**2.0678**	**9.2418**	**3.9129**	**1.9054**	**5.7947**	**0.0000**	**15,965.0759**	**15,965.0759**	**2.4777**	**0.0000**	**16,027.0180**

VENTANA Proposed GPA Buildout - Salton Sea Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**52.99**	**0.00**	**43.92**	**56.81**	**0.00**	**41.33**	**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	6.6116	1.2832	11.7068	7.9600e-003		0.1555	0.1555		0.1555	0.1555	0.0000	1,493.3238	1,493.3238	0.0476	0.0270	1,502.5625
Energy	0.1229	1.0506	0.4471	6.7100e-003		0.0849	0.0849		0.0849	0.0849		1,341.2011	1,341.2011	0.0257	0.0246	1,349.1712
Mobile	2.0491	18.0602	22.3422	0.0936	6.1591	0.0475	6.2066	1.6526	0.0444	1.6970		9,620.2156	9,620.2156	0.5988		9,635.1858
Total	**8.7836**	**20.3939**	**34.4961**	**0.1083**	**6.1591**	**0.2879**	**6.4470**	**1.6526**	**0.2848**	**1.9374**	**0.0000**	**12,454.7404**	**12,454.7404**	**0.6721**	**0.0516**	**12,486.9195**

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	6.6116	1.2832	11.7068	7.9600e-003		0.1555	0.1555		0.1555	0.1555	0.0000	1,493.3238	1,493.3238	0.0476	0.0270	1,502.5625
Energy	0.1229	1.0506	0.4471	6.7100e-003		0.0849	0.0849		0.0849	0.0849		1,341.2011	1,341.2011	0.0257	0.0246	1,349.1712
Mobile	2.0491	18.0602	22.3422	0.0936	6.1591	0.0475	6.2066	1.6526	0.0444	1.6970		9,620.2156	9,620.2156	0.5988		9,635.1858
Total	**8.7836**	**20.3939**	**34.4961**	**0.1083**	**6.1591**	**0.2879**	**6.4470**	**1.6526**	**0.2848**	**1.9374**	**0.0000**	**12,454.7404**	**12,454.7404**	**0.6721**	**0.0516**	**12,486.9195**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2021	7/12/2021	5	30	
2	Grading	Grading	7/13/2021	10/25/2021	5	75	
3	Building Construction	Building Construction	10/26/2021	12/1/2023	5	549	
4	Paving	Paving	11/1/2021	1/14/2022	5	55	
5	Architectural Coating	Architectural Coating	1/1/2022	12/31/2023	5	520	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 3

Residential Indoor: 495,720; Residential Outdoor: 165,240; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

VENTANA Proposed GPA Buildout - Salton Sea Air Basin, Winter

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

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
Grading	8	20.00	0.00	9,298.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	104.00	36.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

3.2 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**

3.2 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	0.0000	0.0000	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	0.0837	0.0627	0.5565	1.2600e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		125.8036	125.8036	5.0700e-003		125.9304
Total	**0.0837**	**0.0627**	**0.5565**	**1.2600e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**125.8036**	**125.8036**	**5.0700e-003**		**125.9304**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	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**	**7.0458**	**2.0445**	**9.0903**	**3.8730**	**1.8809**	**5.7539**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 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	0.0000	0.0000	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	0.0837	0.0627	0.5565	1.2600e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		125.8036	125.8036	5.0700e-003		125.9304
Total	**0.0837**	**0.0627**	**0.5565**	**1.2600e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**125.8036**	**125.8036**	**5.0700e-003**		**125.9304**

3.3 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					6.9266	0.0000	6.9266	3.4165	0.0000	3.4165			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.9266**	**1.9853**	**8.9119**	**3.4165**	**1.8265**	**5.2430**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6624	26.9125	4.1611	0.0934	2.1730	0.0815	2.2545	0.5961	0.0779	0.6740		9,818.2507	9,818.2507	0.5293		9,831.4819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0930	0.0696	0.6183	1.4100e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		139.7818	139.7818	5.6400e-003		139.9227
Total	**0.7554**	**26.9821**	**4.7794**	**0.0948**	**2.3404**	**0.0825**	**2.4229**	**0.6405**	**0.0789**	**0.7193**		**9,958.0324**	**9,958.0324**	**0.5349**		**9,971.4046**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7014	0.0000	2.7014	1.3324	0.0000	1.3324			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**2.7014**	**1.9853**	**4.6867**	**1.3324**	**1.8265**	**3.1589**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6624	26.9125	4.1611	0.0934	2.1730	0.0815	2.2545	0.5961	0.0779	0.6740		9,818.2507	9,818.2507	0.5293		9,831.4819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0930	0.0696	0.6183	1.4100e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		139.7818	139.7818	5.6400e-003		139.9227
Total	**0.7554**	**26.9821**	**4.7794**	**0.0948**	**2.3404**	**0.0825**	**2.4229**	**0.6405**	**0.0789**	**0.7193**		**9,958.0324**	**9,958.0324**	**0.5349**		**9,971.4046**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1045	3.1802	0.8582	7.9800e-003	0.1808	5.9700e-003	0.1868	0.0521	5.7100e-003	0.0578		835.6940	835.6940	0.0757		837.5871
Worker	0.4835	0.3621	3.2154	7.3100e-003	0.8701	5.3600e-003	0.8755	0.2308	4.9400e-003	0.2357		726.8652	726.8652	0.0293		727.5979
Total	**0.5879**	**3.5423**	**4.0735**	**0.0153**	**1.0509**	**0.0113**	**1.0623**	**0.2829**	**0.0107**	**0.2935**		**1,562.5592**	**1,562.5592**	**0.1050**		**1,565.1850**

Mitigated Construction On-Site

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

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1045	3.1802	0.8582	7.9800e-003	0.1808	5.9700e-003	0.1868	0.0521	5.7100e-003	0.0578		835.6940	835.6940	0.0757		837.5871
Worker	0.4835	0.3621	3.2154	7.3100e-003	0.8701	5.3600e-003	0.8755	0.2308	4.9400e-003	0.2357		726.8652	726.8652	0.0293		727.5979
Total	**0.5879**	**3.5423**	**4.0735**	**0.0153**	**1.0509**	**0.0113**	**1.0623**	**0.2829**	**0.0107**	**0.2935**		**1,562.5592**	**1,562.5592**	**0.1050**		**1,565.1850**

3.4 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**

3.4 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	0.0972	3.0079	0.7935	7.9100e-003	0.1808	5.0200e-003	0.1858	0.0521	4.8000e-003	0.0569		828.4931	828.4931	0.0704		830.2530
Worker	0.4528	0.3297	2.9524	7.0400e-003	0.8701	5.1900e-003	0.8753	0.2308	4.7800e-003	0.2356		700.2891	700.2891	0.0267		700.9566
Total	**0.5500**	**3.3375**	**3.7459**	**0.0150**	**1.0509**	**0.0102**	**1.0611**	**0.2829**	**9.5800e-003**	**0.2925**		**1,528.7822**	**1,528.7822**	**0.0971**		**1,531.2097**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.0972	3.0079	0.7935	7.9100e-003	0.1808	5.0200e-003	0.1858	0.0521	4.8000e-003	0.0569		828.4931	828.4931	0.0704		830.2530
Worker	0.4528	0.3297	2.9524	7.0400e-003	0.8701	5.1900e-003	0.8753	0.2308	4.7800e-003	0.2356		700.2891	700.2891	0.0267		700.9566
Total	**0.5500**	**3.3375**	**3.7459**	**0.0150**	**1.0509**	**0.0102**	**1.0611**	**0.2829**	**9.5800e-003**	**0.2925**		**1,528.7822**	**1,528.7822**	**0.0971**		**1,531.2097**

3.4 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**

3.4 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	0.0764	2.3458	0.6815	7.7300e-003	0.1808	1.9700e-003	0.1828	0.0521	1.8800e-003	0.0540		810.0063	810.0063	0.0499		811.2542
Worker	0.4256	0.3014	2.7203	6.7700e-003	0.8701	5.0400e-003	0.8752	0.2308	4.6400e-003	0.2354		673.7273	673.7273	0.0244		674.3373
Total	**0.5019**	**2.6472**	**3.4018**	**0.0145**	**1.0509**	**7.0100e-003**	**1.0579**	**0.2829**	**6.5200e-003**	**0.2894**		**1,483.7335**	**1,483.7335**	**0.0743**		**1,485.5915**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.0764	2.3458	0.6815	7.7300e-003	0.1808	1.9700e-003	0.1828	0.0521	1.8800e-003	0.0540		810.0063	810.0063	0.0499		811.2542
Worker	0.4256	0.3014	2.7203	6.7700e-003	0.8701	5.0400e-003	0.8752	0.2308	4.6400e-003	0.2354		673.7273	673.7273	0.0244		674.3373
Total	**0.5019**	**2.6472**	**3.4018**	**0.0145**	**1.0509**	**7.0100e-003**	**1.0579**	**0.2829**	**6.5200e-003**	**0.2894**		**1,483.7335**	**1,483.7335**	**0.0743**		**1,485.5915**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0522	0.4638	1.0500e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		104.8363	104.8363	4.2300e-003		104.9420
Total	**0.0697**	**0.0522**	**0.4638**	**1.0500e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**104.8363**	**104.8363**	**4.2300e-003**		**104.9420**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0522	0.4638	1.0500e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		104.8363	104.8363	4.2300e-003		104.9420
Total	**0.0697**	**0.0522**	**0.4638**	**1.0500e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**104.8363**	**104.8363**	**4.2300e-003**		**104.9420**

3.5 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0653	0.0476	0.4258	1.0200e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		101.0032	101.0032	3.8500e-003		101.0995
Total	**0.0653**	**0.0476**	**0.4258**	**1.0200e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**101.0032**	**101.0032**	**3.8500e-003**		**101.0995**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0653	0.0476	0.4258	1.0200e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		101.0032	101.0032	3.8500e-003		101.0995
Total	**0.0653**	**0.0476**	**0.4258**	**1.0200e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**101.0032**	**101.0032**	**3.8500e-003**		**101.0995**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9963					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**6.2008**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.0914	0.0666	0.5962	1.4200e-003	0.1757	1.0500e-003	0.1768	0.0466	9.6000e-004	0.0476		141.4045	141.4045	5.3900e-003		141.5393
Total	**0.0914**	**0.0666**	**0.5962**	**1.4200e-003**	**0.1757**	**1.0500e-003**	**0.1768**	**0.0466**	**9.6000e-004**	**0.0476**		**141.4045**	**141.4045**	**5.3900e-003**		**141.5393**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.9963					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**6.2008**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.0914	0.0666	0.5962	1.4200e-003	0.1757	1.0500e-003	0.1768	0.0466	9.6000e-004	0.0476		141.4045	141.4045	5.3900e-003		141.5393
Total	**0.0914**	**0.0666**	**0.5962**	**1.4200e-003**	**0.1757**	**1.0500e-003**	**0.1768**	**0.0466**	**9.6000e-004**	**0.0476**		**141.4045**	**141.4045**	**5.3900e-003**		**141.5393**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.9963					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	**6.1879**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 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	0.0000	0.0000	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	0.0859	0.0609	0.5493	1.3700e-003	0.1757	1.0200e-003	0.1767	0.0466	9.4000e-004	0.0475		136.0411	136.0411	4.9300e-003		136.1643
Total	**0.0859**	**0.0609**	**0.5493**	**1.3700e-003**	**0.1757**	**1.0200e-003**	**0.1767**	**0.0466**	**9.4000e-004**	**0.0475**		**136.0411**	**136.0411**	**4.9300e-003**		**136.1643**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.9963					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	**6.1879**	**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**

3.6 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	0.0000	0.0000	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	0.0859	0.0609	0.5493	1.3700e-003	0.1757	1.0200e-003	0.1767	0.0466	9.4000e-004	0.0475		136.0411	136.0411	4.9300e-003		136.1643
Total	**0.0859**	**0.0609**	**0.5493**	**1.3700e-003**	**0.1757**	**1.0200e-003**	**0.1767**	**0.0466**	**9.4000e-004**	**0.0475**		**136.0411**	**136.0411**	**4.9300e-003**		**136.1643**

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	2.0491	18.0602	22.3422	0.0936	6.1591	0.0475	6.2066	1.6526	0.0444	1.6970		9,620.2156	9,620.2156	0.5988		9,635.1858
Unmitigated	2.0491	18.0602	22.3422	0.0936	6.1591	0.0475	6.2066	1.6526	0.0444	1.6970		9,620.2156	9,620.2156	0.5988		9,635.1858

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,283.84	1,283.84	1283.84	2,863,139	2,863,139
Total	1,283.84	1,283.84	1,283.84	2,863,139	2,863,139

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Single Family Housing	11.00	3.50	4.50	40.00	20.00	40.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.495479	0.035270	0.186408	0.116756	0.013751	0.005010	0.022691	0.111931	0.003082	0.001854	0.006243	0.000776	0.000749
Single Family Housing	0.495479	0.035270	0.186408	0.116756	0.013751	0.005010	0.022691	0.111931	0.003082	0.001854	0.006243	0.000776	0.000749

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	0.1229	1.0506	0.4471	6.7100e-003		0.0849	0.0849		0.0849	0.0849		1,341.2011	1,341.2011	0.0257	0.0246	1,349.1712
NaturalGas Unmitigated	0.1229	1.0506	0.4471	6.7100e-003		0.0849	0.0849		0.0849	0.0849		1,341.2011	1,341.2011	0.0257	0.0246	1,349.1712

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					
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
Single Family Housing	11400.2	0.1229	1.0506	0.4471	6.7100e-003		0.0849	0.0849		0.0849	0.0849		1,341.2011	1,341.2011	0.0257	0.0246	1,349.1712
Total		**0.1229**	**1.0506**	**0.4471**	**6.7100e-003**		**0.0849**	**0.0849**		**0.0849**	**0.0849**		**1,341.2011**	**1,341.2011**	**0.0257**	**0.0246**	**1,349.1712**

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					
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
Single Family Housing	11.4002	0.1229	1.0506	0.4471	6.7100e-003		0.0849	0.0849		0.0849	0.0849		1,341.2011	1,341.2011	0.0257	0.0246	1,349.1712
Total		**0.1229**	**1.0506**	**0.4471**	**6.7100e-003**		**0.0849**	**0.0849**		**0.0849**	**0.0849**		**1,341.2011**	**1,341.2011**	**0.0257**	**0.0246**	**1,349.1712**

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	6.6116	1.2832	11.7068	7.9600e-003		0.1555	0.1555		0.1555	0.1555	0.0000	1,493.3238	1,493.3238	0.0476	0.0270	1,502.5625
Unmitigated	6.6116	1.2832	11.7068	7.9600e-003		0.1555	0.1555		0.1555	0.1555	0.0000	1,493.3238	1,493.3238	0.0476	0.0270	1,502.5625

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	0.8543					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1350	1.1539	0.4910	7.3700e-003		0.0933	0.0933		0.0933	0.0933	0.0000	1,473.1200	1,473.1200	0.0282	0.0270	1,481.8740
Landscaping	0.3373	0.1292	11.2158	5.9000e-004		0.0622	0.0622		0.0622	0.0622		20.2038	20.2038	0.0194		20.6884
Total	**6.6116**	**1.2832**	**11.7068**	**7.9600e-003**		**0.1555**	**0.1555**		**0.1555**	**0.1555**	**0.0000**	**1,493.3238**	**1,493.3238**	**0.0476**	**0.0270**	**1,502.5625**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8543					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.2850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1350	1.1539	0.4910	7.3700e-003		0.0933	0.0933		0.0933	0.0933	0.0000	1,473.1200	1,473.1200	0.0282	0.0270	1,481.8740
Landscaping	0.3373	0.1292	11.2158	5.9000e-004		0.0622	0.0622		0.0622	0.0622		20.2038	20.2038	0.0194		20.6884
Total	**6.6116**	**1.2832**	**11.7068**	**7.9600e-003**		**0.1555**	**0.1555**		**0.1555**	**0.1555**	**0.0000**	**1,493.3238**	**1,493.3238**	**0.0476**	**0.0270**	**1,502.5625**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VENTANA Alternative 1

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.00	Acre	3.00	130,680.00	0
Single Family Housing	45.00	Dwelling Unit	42.17	81,000.00	145

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	10			**Operational Year**	2023
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

VENTANA Alternative 1 - Salton Sea Air Basin, Annual

Project Characteristics - Maximum buildout potential of the site under existing land use designation of 1 DU/AC.

Land Use - Assumes maximum allowed under existing "Desert Estates l Neighborhood" designation (1 DU/AC)

Construction Phase - Assumes a 1.5 year buildout from June 2021 to December 2022 (Operational January 2023).

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Equipment list provided by applicant and noise engineers.

Off-road Equipment -

On-road Fugitive Dust - All roads in the project area are paved.

Grading - Assumes same material export as proposed project: 74,383 CY

Vehicle Trips - Assumes trip rate provided in project Traffic Report.

Road Dust - All roads will be paved.

Woodstoves - Wood burning appliances are not proposed.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes adhearence to standard dust control measures (SCAQMD Rule 403.1).

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	740.00	288.00
tblConstructionPhase	NumDays	55.00	260.00
tblConstructionPhase	PhaseEndDate	8/26/2024	12/1/2022
tblConstructionPhase	PhaseEndDate	11/11/2024	1/14/2022
tblConstructionPhase	PhaseEndDate	1/27/2025	12/31/2022
tblConstructionPhase	PhaseStartDate	8/27/2024	11/1/2021
tblConstructionPhase	PhaseStartDate	11/12/2024	1/1/2022
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	187.50	50.00

tblGrading	MaterialExported	0.00	74,383.00
tblLandUse	LotAcreage	14.61	42.17
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	9.52	9.44

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	0.3339	4.1493	2.4725	8.0100e-003	0.6402	0.1471	0.7873	0.3069	0.1360	0.4429	0.0000	731.2025	731.2025	0.1295	0.0000	734.4390
2022	0.8247	2.4001	2.6558	5.1800e-003	0.1013	0.1111	0.2123	0.0272	0.1051	0.1323	0.0000	455.2244	455.2244	0.0795	0.0000	457.2124
Maximum	**0.8247**	**4.1493**	**2.6558**	**8.0100e-003**	**0.6402**	**0.1471**	**0.7873**	**0.3069**	**0.1360**	**0.4429**	**0.0000**	**731.2025**	**731.2025**	**0.1295**	**0.0000**	**734.4390**

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	0.3339	4.1493	2.4725	8.0100e-003	0.3164	0.1471	0.4635	0.1379	0.1360	0.2739	0.0000	731.2020	731.2020	0.1295	0.0000	734.4385
2022	0.8247	2.4001	2.6558	5.1800e-003	0.1013	0.1111	0.2123	0.0272	0.1051	0.1323	0.0000	455.2240	455.2240	0.0795	0.0000	457.2120
Maximum	**0.8247**	**4.1493**	**2.6558**	**8.0100e-003**	**0.3164**	**0.1471**	**0.4635**	**0.1379**	**0.1360**	**0.2739**	**0.0000**	**731.2020**	**731.2020**	**0.1295**	**0.0000**	**734.4385**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**43.67**	**0.00**	**32.39**	**50.58**	**0.00**	**29.38**	**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	**6-1-2021**	**8-31-2021**	2.0587	2.0587
2	**9-1-2021**	**11-30-2021**	1.9749	1.9749
3	**12-1-2021**	**2-28-2022**	1.0153	1.0153
4	**3-1-2022**	**5-31-2022**	0.8537	0.8537
5	**6-1-2022**	**8-31-2022**	0.8547	0.8547
6	**9-1-2022**	**9-30-2022**	0.2787	0.2787
		Highest	2.0587	2.0587

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	0.3884	4.6700e-003	0.3346	2.0000e-005		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003	0.0000	1.4966	1.4966	5.4000e-004	2.0000e-005	1.5153
Energy	7.4200e-003	0.0634	0.0270	4.0000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	299.5885	299.5885	6.5700e-003	2.4100e-003	300.4722
Mobile	0.1433	1.1225	1.4723	6.0400e-003	0.3667	2.8700e-003	0.3696	0.0985	2.6800e-003	0.1012	0.0000	562.2485	562.2485	0.0330	0.0000	563.0741
Waste						0.0000	0.0000		0.0000	0.0000	12.0678	0.0000	12.0678	0.7132	0.0000	29.8975
Water						0.0000	0.0000		0.0000	0.0000	0.9302	33.8459	34.7761	0.0963	2.4200e-003	37.9037
Total	**0.5390**	**1.1906**	**1.8339**	**6.4600e-003**	**0.3667**	**9.9200e-003**	**0.3766**	**0.0985**	**9.7300e-003**	**0.1082**	**12.9980**	**897.1794**	**910.1774**	**0.8496**	**4.8500e-003**	**932.8628**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3884	4.6700e-003	0.3346	2.0000e-005		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003	0.0000	1.4966	1.4966	5.4000e-004	2.0000e-005	1.5153
Energy	7.4200e-003	0.0634	0.0270	4.0000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	299.5885	299.5885	6.5700e-003	2.4100e-003	300.4722
Mobile	0.1433	1.1225	1.4723	6.0400e-003	0.3667	2.8700e-003	0.3696	0.0985	2.6800e-003	0.1012	0.0000	562.2485	562.2485	0.0330	0.0000	563.0741
Waste						0.0000	0.0000		0.0000	0.0000	12.0678	0.0000	12.0678	0.7132	0.0000	29.8975
Water						0.0000	0.0000		0.0000	0.0000	0.9302	33.8459	34.7761	0.0963	2.4200e-003	37.9037
Total	**0.5390**	**1.1906**	**1.8339**	**6.4600e-003**	**0.3667**	**9.9200e-003**	**0.3766**	**0.0985**	**9.7300e-003**	**0.1082**	**12.9980**	**897.1794**	**910.1774**	**0.8496**	**4.8500e-003**	**932.8628**

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

3.0 Construction Detail

Construction Phase

VENTANA Alternative 1 - Salton Sea Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2021	7/12/2021	5	30	
2	Grading	Grading	7/13/2021	10/25/2021	5	75	
3	Building Construction	Building Construction	10/26/2021	12/1/2022	5	288	
4	Paving	Paving	11/1/2021	1/14/2022	5	55	
5	Architectural Coating	Architectural Coating	1/1/2022	12/31/2022	5	260	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 3

Residential Indoor: 164,025; Residential Outdoor: 54,675; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

VENTANA Alternative 1 - Salton Sea Air Basin, Annual

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

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
Grading	8	20.00	0.00	9,298.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	71.00	26.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

3.2 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					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0583	0.6075	0.3173	5.7000e-004		0.0307	0.0307		0.0282	0.0282	0.0000	50.1536	50.1536	0.0162	0.0000	50.5591
Total	**0.0583**	**0.6075**	**0.3173**	**5.7000e-004**	**0.2710**	**0.0307**	**0.3017**	**0.1490**	**0.0282**	**0.1772**	**0.0000**	**50.1536**	**50.1536**	**0.0162**	**0.0000**	**50.5591**

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	9.2000e-004	9.3400e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8423	1.8423	8.0000e-005	0.0000	1.8442
Total	**1.2800e-003**	**9.2000e-004**	**9.3400e-003**	**2.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2500e-003**	**5.9000e-004**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**1.8423**	**1.8423**	**8.0000e-005**	**0.0000**	**1.8442**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1057	0.0000	0.1057	0.0581	0.0000	0.0581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0583	0.6075	0.3173	5.7000e-004		0.0307	0.0307		0.0282	0.0282	0.0000	50.1535	50.1535	0.0162	0.0000	50.5590
Total	**0.0583**	**0.6075**	**0.3173**	**5.7000e-004**	**0.1057**	**0.0307**	**0.1364**	**0.0581**	**0.0282**	**0.0863**	**0.0000**	**50.1535**	**50.1535**	**0.0162**	**0.0000**	**50.5590**

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	9.2000e-004	9.3400e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8423	1.8423	8.0000e-005	0.0000	1.8442
Total	**1.2800e-003**	**9.2000e-004**	**9.3400e-003**	**2.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2500e-003**	**5.9000e-004**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**1.8423**	**1.8423**	**8.0000e-005**	**0.0000**	**1.8442**

3.3 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					0.2598	0.0000	0.2598	0.1281	0.0000	0.1281	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1572	1.7400	1.1579	2.3300e-003		0.0745	0.0745		0.0685	0.0685	0.0000	204.3562	204.3562	0.0661	0.0000	206.0085
Total	**0.1572**	**1.7400**	**1.1579**	**2.3300e-003**	**0.2598**	**0.0745**	**0.3342**	**0.1281**	**0.0685**	**0.1966**	**0.0000**	**204.3562**	**204.3562**	**0.0661**	**0.0000**	**206.0085**

3.3 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	0.0240	1.0165	0.1407	3.5600e-003	0.0807	3.0200e-003	0.0837	0.0222	2.8900e-003	0.0250	0.0000	339.9294	339.9294	0.0169	0.0000	340.3516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5400e-003	2.5600e-003	0.0259	6.0000e-005	6.2000e-003	4.0000e-005	6.2400e-003	1.6500e-003	4.0000e-005	1.6800e-003	0.0000	5.1175	5.1175	2.1000e-004	0.0000	5.1227
Total	**0.0275**	**1.0191**	**0.1666**	**3.6200e-003**	**0.0869**	**3.0600e-003**	**0.0899**	**0.0238**	**2.9300e-003**	**0.0267**	**0.0000**	**345.0470**	**345.0470**	**0.0171**	**0.0000**	**345.4743**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1013	0.0000	0.1013	0.0500	0.0000	0.0500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1572	1.7400	1.1579	2.3300e-003		0.0745	0.0745		0.0685	0.0685	0.0000	204.3559	204.3559	0.0661	0.0000	206.0083
Total	**0.1572**	**1.7400**	**1.1579**	**2.3300e-003**	**0.1013**	**0.0745**	**0.1758**	**0.0500**	**0.0685**	**0.1185**	**0.0000**	**204.3559**	**204.3559**	**0.0661**	**0.0000**	**206.0083**

3.3 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	0.0240	1.0165	0.1407	3.5600e-003	0.0807	3.0200e-003	0.0837	0.0222	2.8900e-003	0.0250	0.0000	339.9294	339.9294	0.0169	0.0000	340.3516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5400e-003	2.5600e-003	0.0259	6.0000e-005	6.2000e-003	4.0000e-005	6.2400e-003	1.6500e-003	4.0000e-005	1.6800e-003	0.0000	5.1175	5.1175	2.1000e-004	0.0000	5.1227
Total	**0.0275**	**1.0191**	**0.1666**	**3.6200e-003**	**0.0869**	**3.0600e-003**	**0.0899**	**0.0238**	**2.9300e-003**	**0.0267**	**0.0000**	**345.0470**	**345.0470**	**0.0171**	**0.0000**	**345.4743**

3.4 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	0.0466	0.4271	0.4061	6.6000e-004		0.0235	0.0235		0.0221	0.0221	0.0000	56.7511	56.7511	0.0137	0.0000	57.0934
Total	**0.0466**	**0.4271**	**0.4061**	**6.6000e-004**		**0.0235**	**0.0235**		**0.0221**	**0.0221**	**0.0000**	**56.7511**	**56.7511**	**0.0137**	**0.0000**	**57.0934**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7700e-003	0.0570	0.0137	1.5000e-004	3.1700e-003	1.0000e-004	3.2700e-003	9.1000e-004	1.0000e-004	1.0100e-003	0.0000	13.8274	13.8274	1.1400e-003	0.0000	13.8558
Worker	8.2200e-003	5.9400e-003	0.0602	1.3000e-004	0.0144	9.0000e-005	0.0145	3.8200e-003	8.0000e-005	3.9000e-003	0.0000	11.8692	11.8692	4.8000e-004	0.0000	11.8814
Total	**9.9900e-003**	**0.0629**	**0.0738**	**2.8000e-004**	**0.0176**	**1.9000e-004**	**0.0177**	**4.7300e-003**	**1.8000e-004**	**4.9100e-003**	**0.0000**	**25.6966**	**25.6966**	**1.6200e-003**	**0.0000**	**25.7371**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0466	0.4271	0.4061	6.6000e-004		0.0235	0.0235		0.0221	0.0221	0.0000	56.7511	56.7511	0.0137	0.0000	57.0934
Total	**0.0466**	**0.4271**	**0.4061**	**6.6000e-004**		**0.0235**	**0.0235**		**0.0221**	**0.0221**	**0.0000**	**56.7511**	**56.7511**	**0.0137**	**0.0000**	**57.0934**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7700e-003	0.0570	0.0137	1.5000e-004	3.1700e-003	1.0000e-004	3.2700e-003	9.1000e-004	1.0000e-004	1.0100e-003	0.0000	13.8274	13.8274	1.1400e-003	0.0000	13.8558
Worker	8.2200e-003	5.9400e-003	0.0602	1.3000e-004	0.0144	9.0000e-005	0.0145	3.8200e-003	8.0000e-005	3.9000e-003	0.0000	11.8692	11.8692	4.8000e-004	0.0000	11.8814
Total	**9.9900e-003**	**0.0629**	**0.0738**	**2.8000e-004**	**0.0176**	**1.9000e-004**	**0.0177**	**4.7300e-003**	**1.8000e-004**	**4.9100e-003**	**0.0000**	**25.6966**	**25.6966**	**1.6200e-003**	**0.0000**	**25.7371**

3.4 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	0.2039	1.8661	1.9554	3.2200e-003		0.0967	0.0967		0.0910	0.0910	0.0000	276.9117	276.9117	0.0663	0.0000	278.5702
Total	**0.2039**	**1.8661**	**1.9554**	**3.2200e-003**		**0.0967**	**0.0967**		**0.0910**	**0.0910**	**0.0000**	**276.9117**	**276.9117**	**0.0663**	**0.0000**	**278.5702**

3.4 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	8.0200e-003	0.2631	0.0614	7.0000e-004	0.0155	4.2000e-004	0.0159	4.4600e-003	4.0000e-004	4.8600e-003	0.0000	66.8763	66.8763	5.1500e-003	0.0000	67.0050
Worker	0.0375	0.0264	0.2700	6.2000e-004	0.0701	4.2000e-004	0.0706	0.0186	3.9000e-004	0.0190	0.0000	55.7734	55.7734	2.1500e-003	0.0000	55.8272
Total	**0.0455**	**0.2895**	**0.3314**	**1.3200e-003**	**0.0856**	**8.4000e-004**	**0.0864**	**0.0231**	**7.9000e-004**	**0.0239**	**0.0000**	**122.6497**	**122.6497**	**7.3000e-003**	**0.0000**	**122.8322**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2039	1.8661	1.9554	3.2200e-003		0.0967	0.0967		0.0910	0.0910	0.0000	276.9113	276.9113	0.0663	0.0000	278.5698
Total	**0.2039**	**1.8661**	**1.9554**	**3.2200e-003**		**0.0967**	**0.0967**		**0.0910**	**0.0910**	**0.0000**	**276.9113**	**276.9113**	**0.0663**	**0.0000**	**278.5698**

3.4 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	8.0200e-003	0.2631	0.0614	7.0000e-004	0.0155	4.2000e-004	0.0159	4.4600e-003	4.0000e-004	4.8600e-003	0.0000	66.8763	66.8763	5.1500e-003	0.0000	67.0050
Worker	0.0375	0.0264	0.2700	6.2000e-004	0.0701	4.2000e-004	0.0706	0.0186	3.9000e-004	0.0190	0.0000	55.7734	55.7734	2.1500e-003	0.0000	55.8272
Total	**0.0455**	**0.2895**	**0.3314**	**1.3200e-003**	**0.0856**	**8.4000e-004**	**0.0864**	**0.0231**	**7.9000e-004**	**0.0239**	**0.0000**	**122.6497**	**122.6497**	**7.3000e-003**	**0.0000**	**122.8322**

3.5 Paving - 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	0.0283	0.2907	0.3297	5.1000e-004		0.0153	0.0153		0.0140	0.0140	0.0000	45.0528	45.0528	0.0146	0.0000	45.4171
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0315**	**0.2907**	**0.3297**	**5.1000e-004**		**0.0153**	**0.0153**		**0.0140**	**0.0140**	**0.0000**	**45.0528**	**45.0528**	**0.0146**	**0.0000**	**45.4171**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5900e-003	1.1500e-003	0.0117	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.3029	2.3029	9.0000e-005	0.0000	2.3052
Total	**1.5900e-003**	**1.1500e-003**	**0.0117**	**3.0000e-005**	**2.7900e-003**	**2.0000e-005**	**2.8100e-003**	**7.4000e-004**	**2.0000e-005**	**7.6000e-004**	**0.0000**	**2.3029**	**2.3029**	**9.0000e-005**	**0.0000**	**2.3052**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0283	0.2907	0.3297	5.1000e-004		0.0153	0.0153		0.0140	0.0140	0.0000	45.0528	45.0528	0.0146	0.0000	45.4171
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0315**	**0.2907**	**0.3297**	**5.1000e-004**		**0.0153**	**0.0153**		**0.0140**	**0.0140**	**0.0000**	**45.0528**	**45.0528**	**0.0146**	**0.0000**	**45.4171**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5900e-003	1.1500e-003	0.0117	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.3029	2.3029	9.0000e-005	0.0000	2.3052
Total	**1.5900e-003**	**1.1500e-003**	**0.0117**	**3.0000e-005**	**2.7900e-003**	**2.0000e-005**	**2.8100e-003**	**7.4000e-004**	**2.0000e-005**	**7.6000e-004**	**0.0000**	**2.3029**	**2.3029**	**9.0000e-005**	**0.0000**	**2.3052**

3.5 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	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0948
Paving	7.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.2200e-003**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0948**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.3000e-004	2.3900e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4930	0.4930	2.0000e-005	0.0000	0.4935
Total	**3.3000e-004**	**2.3000e-004**	**2.3900e-003**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**6.2000e-004**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.4930**	**0.4930**	**2.0000e-005**	**0.0000**	**0.4935**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0947
Paving	7.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.2200e-003**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0947**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.3000e-004	2.3900e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4930	0.4930	2.0000e-005	0.0000	0.4935
Total	**3.3000e-004**	**2.3000e-004**	**2.3900e-003**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**6.2000e-004**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.4930**	**0.4930**	**2.0000e-005**	**0.0000**	**0.4935**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5341					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	**0.5607**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**	**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2463**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	8.0400e-003	5.6600e-003	0.0579	1.3000e-004	0.0151	9.0000e-005	0.0151	3.9900e-003	8.0000e-005	4.0800e-003	0.0000	11.9639	11.9639	4.6000e-004	0.0000	11.9754
Total	**8.0400e-003**	**5.6600e-003**	**0.0579**	**1.3000e-004**	**0.0151**	**9.0000e-005**	**0.0151**	**3.9900e-003**	**8.0000e-005**	**4.0800e-003**	**0.0000**	**11.9639**	**11.9639**	**4.6000e-004**	**0.0000**	**11.9754**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5341					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	**0.5607**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**	**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2463**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	8.0400e-003	5.6600e-003	0.0579	1.3000e-004	0.0151	9.0000e-005	0.0151	3.9900e-003	8.0000e-005	4.0800e-003	0.0000	11.9639	11.9639	4.6000e-004	0.0000	11.9754
Total	**8.0400e-003**	**5.6600e-003**	**0.0579**	**1.3000e-004**	**0.0151**	**9.0000e-005**	**0.0151**	**3.9900e-003**	**8.0000e-005**	**4.0800e-003**	**0.0000**	**11.9639**	**11.9639**	**4.6000e-004**	**0.0000**	**11.9754**

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	0.1433	1.1225	1.4723	6.0400e-003	0.3667	2.8700e-003	0.3696	0.0985	2.6800e-003	0.1012	0.0000	562.2485	562.2485	0.0330	0.0000	563.0741
Unmitigated	0.1433	1.1225	1.4723	6.0400e-003	0.3667	2.8700e-003	0.3696	0.0985	2.6800e-003	0.1012	0.0000	562.2485	562.2485	0.0330	0.0000	563.0741

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	424.80	424.80	424.80	947,362	947,362
Total	424.80	424.80	424.80	947,362	947,362

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Single Family Housing	11.00	3.50	4.50	40.00	20.00	40.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.492822	0.035624	0.185121	0.119005	0.014436	0.005121	0.022629	0.112565	0.003037	0.001863	0.006214	0.000779	0.000783
Single Family Housing	0.492822	0.035624	0.185121	0.119005	0.014436	0.005121	0.022629	0.112565	0.003037	0.001863	0.006214	0.000779	0.000783

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	226.1157	226.1157	5.1600e-003	1.0700e-003	226.5628
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	226.1157	226.1157	5.1600e-003	1.0700e-003	226.5628
NaturalGas Mitigated	7.4200e-003	0.0634	0.0270	4.0000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.4727	73.4727	1.4100e-003	1.3500e-003	73.9093
NaturalGas Unmitigated	7.4200e-003	0.0634	0.0270	4.0000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.4727	73.4727	1.4100e-003	1.3500e-003	73.9093

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					
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
Single Family Housing	1.37683e+006	7.4200e-003	0.0634	0.0270	4.0000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.4727	73.4727	1.4100e-003	1.3500e-003	73.9093
Total		**7.4200e-003**	**0.0634**	**0.0270**	**4.0000e-004**		**5.1300e-003**	**5.1300e-003**		**5.1300e-003**	**5.1300e-003**	**0.0000**	**73.4727**	**73.4727**	**1.4100e-003**	**1.3500e-003**	**73.9093**

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					
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
Single Family Housing	1.37683e+006	7.4200e-003	0.0634	0.0270	4.0000e-004		5.1300e-003	5.1300e-003		5.1300e-003	5.1300e-003	0.0000	73.4727	73.4727	1.4100e-003	1.3500e-003	73.9093
Total		**7.4200e-003**	**0.0634**	**0.0270**	**4.0000e-004**		**5.1300e-003**	**5.1300e-003**		**5.1300e-003**	**5.1300e-003**	**0.0000**	**73.4727**	**73.4727**	**1.4100e-003**	**1.3500e-003**	**73.9093**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	392242	226.1157	5.1600e-003	1.0700e-003	226.5628
Total		**226.1157**	**5.1600e-003**	**1.0700e-003**	**226.5628**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	392242	226.1157	5.1600e-003	1.0700e-003	226.5628
Total		**226.1157**	**5.1600e-003**	**1.0700e-003**	**226.5628**

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	0.3884	4.6700e-003	0.3346	2.0000e-005		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003	0.0000	1.4966	1.4966	5.4000e-004	2.0000e-005	1.5153
Unmitigated	0.3884	4.6700e-003	0.3346	2.0000e-005		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003	0.0000	1.4966	1.4966	5.4000e-004	2.0000e-005	1.5153

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	0.0534					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3248					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.0000e-004	8.2000e-004	3.5000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.9507	0.9507	2.0000e-005	2.0000e-005	0.9564
Landscaping	0.0101	3.8500e-003	0.3342	2.0000e-005		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003	0.0000	0.5459	0.5459	5.2000e-004	0.0000	0.5590
Total	**0.3884**	**4.6700e-003**	**0.3346**	**3.0000e-005**		**1.9200e-003**	**1.9200e-003**		**1.9200e-003**	**1.9200e-003**	**0.0000**	**1.4966**	**1.4966**	**5.4000e-004**	**2.0000e-005**	**1.5153**

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	0.0534					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3248					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.0000e-004	8.2000e-004	3.5000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.9507	0.9507	2.0000e-005	2.0000e-005	0.9564
Landscaping	0.0101	3.8500e-003	0.3342	2.0000e-005		1.8500e-003	1.8500e-003		1.8500e-003	1.8500e-003	0.0000	0.5459	0.5459	5.2000e-004	0.0000	0.5590
Total	**0.3884**	**4.6700e-003**	**0.3346**	**3.0000e-005**		**1.9200e-003**	**1.9200e-003**		**1.9200e-003**	**1.9200e-003**	**0.0000**	**1.4966**	**1.4966**	**5.4000e-004**	**2.0000e-005**	**1.5153**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	34.7761	0.0963	2.4200e-003	37.9037
Unmitigated	34.7761	0.0963	2.4200e-003	37.9037

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.93193 / 1.84839	34.7761	0.0963	2.4200e-003	37.9037
Total		**34.7761**	**0.0963**	**2.4200e-003**	**37.9037**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.93193 / 1.84839	34.7761	0.0963	2.4200e-003	37.9037
Total		**34.7761**	**0.0963**	**2.4200e-003**	**37.9037**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	12.0678	0.7132	0.0000	29.8975
Unmitigated	12.0678	0.7132	0.0000	29.8975

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	59.45	12.0678	0.7132	0.0000	29.8975
Total		**12.0678**	**0.7132**	**0.0000**	**29.8975**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	59.45	12.0678	0.7132	0.0000	29.8975
Total		**12.0678**	**0.7132**	**0.0000**	**29.8975**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VENTANA Alternative 1

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.00	Acre	3.00	130,680.00	0
Single Family Housing	45.00	Dwelling Unit	42.17	81,000.00	145

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	10			**Operational Year**	2023
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

VENTANA Alternative 1 - Salton Sea Air Basin, Summer

Project Characteristics - Maximum buildout potential of the site under existing land use designation of 1 DU/AC.

Land Use - Assumes maximum allowed under existing "Desert Estates l Neighborhood" designation (1 DU/AC)

Construction Phase - Assumes a 1.5 year buildout from June 2021 to December 2022 (Operational January 2023).

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Equipment list provided by applicant and noise engineers.

Off-road Equipment -

On-road Fugitive Dust - All roads in the project area are paved.

Grading - Assumes same material export as proposed project: 74,383 CY

Vehicle Trips - Assumes trip rate provided in project Traffic Report.

Road Dust - All roads will be paved.

Woodstoves - Wood burning appliances are not proposed.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes adhearence to standard dust control measures (SCAQMD Rule 403.1).

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	740.00	288.00
tblConstructionPhase	NumDays	55.00	260.00
tblConstructionPhase	PhaseEndDate	8/26/2024	12/1/2022
tblConstructionPhase	PhaseEndDate	11/11/2024	1/14/2022
tblConstructionPhase	PhaseEndDate	1/27/2025	12/31/2022
tblConstructionPhase	PhaseStartDate	8/27/2024	11/1/2021
tblConstructionPhase	PhaseStartDate	11/12/2024	1/1/2022
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	187.50	50.00

tblGrading	MaterialExported	0.00	74,383.00
tblLandUse	LotAcreage	14.61	42.17
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	9.52	9.44

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	4.9280	72.9415	35.4706	0.1599	18.2169	2.0662	20.2623	9.9706	1.9038	11.8524	0.0000	16,291.5895	16,291.5895	2.4230	0.0000	16,352.1635
2022	7.8550	30.6521	37.2202	0.0668	0.9672	1.4671	2.4343	0.2595	1.3732	1.6328	0.0000	6,475.0483	6,475.0483	1.4217	0.0000	6,510.5908
Maximum	**7.8550**	**72.9415**	**37.2202**	**0.1599**	**18.2169**	**2.0662**	**20.2623**	**9.9706**	**1.9038**	**11.8524**	**0.0000**	**16,291.5895**	**16,291.5895**	**2.4230**	**0.0000**	**16,352.1635**

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	4.9280	72.9415	35.4706	0.1599	7.1964	2.0662	9.2418	3.9129	1.9038	5.7947	0.0000	16,291.5895	16,291.5895	2.4230	0.0000	16,352.1635
2022	7.8550	30.6521	37.2202	0.0668	0.9672	1.4671	2.4343	0.2595	1.3732	1.6328	0.0000	6,475.0483	6,475.0483	1.4217	0.0000	6,510.5908
Maximum	**7.8550**	**72.9415**	**37.2202**	**0.1599**	**7.1964**	**2.0662**	**9.2418**	**3.9129**	**1.9038**	**5.7947**	**0.0000**	**16,291.5895**	**16,291.5895**	**2.4230**	**0.0000**	**16,352.1635**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**57.45**	**0.00**	**48.56**	**59.21**	**0.00**	**44.92**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2289	0.4246	3.8762	2.6300e-003		0.0514	0.0514		0.0514	0.0514	0.0000	494.1149	494.1149	0.0158	8.9400e-003	497.1722
Energy	0.0407	0.3476	0.1479	2.2200e-003		0.0281	0.0281		0.0281	0.0281		443.7798	443.7798	8.5100e-003	8.1400e-003	446.4169
Mobile	0.9815	6.1747	9.5319	0.0352	2.0384	0.0157	2.0541	0.5470	0.0147	0.5617		3,609.1682	3,609.1682	0.2020		3,614.2174
Total	**3.2511**	**6.9470**	**13.5560**	**0.0401**	**2.0384**	**0.0952**	**2.1336**	**0.5470**	**0.0942**	**0.6412**	**0.0000**	**4,547.0629**	**4,547.0629**	**0.2263**	**0.0171**	**4,557.8065**

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	2.2289	0.4246	3.8762	2.6300e-003		0.0514	0.0514		0.0514	0.0514	0.0000	494.1149	494.1149	0.0158	8.9400e-003	497.1722
Energy	0.0407	0.3476	0.1479	2.2200e-003		0.0281	0.0281		0.0281	0.0281		443.7798	443.7798	8.5100e-003	8.1400e-003	446.4169
Mobile	0.9815	6.1747	9.5319	0.0352	2.0384	0.0157	2.0541	0.5470	0.0147	0.5617		3,609.1682	3,609.1682	0.2020		3,614.2174
Total	**3.2511**	**6.9470**	**13.5560**	**0.0401**	**2.0384**	**0.0952**	**2.1336**	**0.5470**	**0.0942**	**0.6412**	**0.0000**	**4,547.0629**	**4,547.0629**	**0.2263**	**0.0171**	**4,557.8065**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2021	7/12/2021	5	30	
2	Grading	Grading	7/13/2021	10/25/2021	5	75	
3	Building Construction	Building Construction	10/26/2021	12/1/2022	5	288	
4	Paving	Paving	11/1/2021	1/14/2022	5	55	
5	Architectural Coating	Architectural Coating	1/1/2022	12/31/2022	5	260	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 3

Residential Indoor: 164,025; Residential Outdoor: 54,675; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

VENTANA Alternative 1 - Salton Sea Air Basin, Summer

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

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
Grading	8	20.00	0.00	9,298.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	71.00	26.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

3.2 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**

3.2 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	0.0000	0.0000	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	0.1012	0.0609	0.7797	1.5100e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		149.7216	149.7216	6.4100e-003		149.8818
Total	**0.1012**	**0.0609**	**0.7797**	**1.5100e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**149.7216**	**149.7216**	**6.4100e-003**		**149.8818**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	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**	**7.0458**	**2.0445**	**9.0903**	**3.8730**	**1.8809**	**5.7539**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 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	0.0000	0.0000	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	0.1012	0.0609	0.7797	1.5100e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		149.7216	149.7216	6.4100e-003		149.8818
Total	**0.1012**	**0.0609**	**0.7797**	**1.5100e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**149.7216**	**149.7216**	**6.4100e-003**		**149.8818**

3.3 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					6.9266	0.0000	6.9266	3.4165	0.0000	3.4165			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.9266**	**1.9853**	**8.9119**	**3.4165**	**1.8265**	**5.2430**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6245	26.4741	3.4610	0.0963	2.1730	0.0798	2.2529	0.5961	0.0764	0.6725		10,118.1888	10,118.1888	0.4730		10,130.0148
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1124	0.0676	0.8663	1.6700e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		166.3573	166.3573	7.1200e-003		166.5353
Total	**0.7369**	**26.5417**	**4.3273**	**0.0979**	**2.3404**	**0.0809**	**2.4212**	**0.6405**	**0.0773**	**0.7178**		**10,284.5461**	**10,284.5461**	**0.4802**		**10,296.5501**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7014	0.0000	2.7014	1.3324	0.0000	1.3324			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**2.7014**	**1.9853**	**4.6867**	**1.3324**	**1.8265**	**3.1589**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6245	26.4741	3.4610	0.0963	2.1730	0.0798	2.2529	0.5961	0.0764	0.6725		10,118.1888	10,118.1888	0.4730		10,130.0148
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1124	0.0676	0.8663	1.6700e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		166.3573	166.3573	7.1200e-003		166.5353
Total	**0.7369**	**26.5417**	**4.3273**	**0.0979**	**2.3404**	**0.0809**	**2.4212**	**0.6405**	**0.0773**	**0.7178**		**10,284.5461**	**10,284.5461**	**0.4802**		**10,296.5501**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0714	2.3159	0.5170	6.0700e-003	0.1306	4.1100e-003	0.1347	0.0376	3.9300e-003	0.0416		635.5698	635.5698	0.0486		636.7849
Worker	0.3991	0.2401	3.0755	5.9500e-003	0.5940	3.6600e-003	0.5977	0.1576	3.3700e-003	0.1609		590.5684	590.5684	0.0253		591.2003
Total	**0.4704**	**2.5560**	**3.5924**	**0.0120**	**0.7246**	**7.7700e-003**	**0.7324**	**0.1952**	**7.3000e-003**	**0.2025**		**1,226.1382**	**1,226.1382**	**0.0739**		**1,227.9852**

Mitigated Construction On-Site

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

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0714	2.3159	0.5170	6.0700e-003	0.1306	4.1100e-003	0.1347	0.0376	3.9300e-003	0.0416		635.5698	635.5698	0.0486		636.7849
Worker	0.3991	0.2401	3.0755	5.9500e-003	0.5940	3.6600e-003	0.5977	0.1576	3.3700e-003	0.1609		590.5684	590.5684	0.0253		591.2003
Total	**0.4704**	**2.5560**	**3.5924**	**0.0120**	**0.7246**	**7.7700e-003**	**0.7324**	**0.1952**	**7.3000e-003**	**0.2025**		**1,226.1382**	**1,226.1382**	**0.0739**		**1,227.9852**

3.4 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**

3.4 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	0.0662	2.1949	0.4755	6.0200e-003	0.1306	3.4400e-003	0.1340	0.0376	3.2900e-003	0.0409		630.3132	630.3132	0.0451		631.4407
Worker	0.3719	0.2188	2.8309	5.7300e-003	0.5940	3.5400e-003	0.5976	0.1576	3.2600e-003	0.1608		568.9181	568.9181	0.0230		569.4920
Total	**0.4381**	**2.4137**	**3.3064**	**0.0118**	**0.7246**	**6.9800e-003**	**0.7316**	**0.1952**	**6.5500e-003**	**0.2017**		**1,199.2313**	**1,199.2313**	**0.0681**		**1,200.9326**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.0662	2.1949	0.4755	6.0200e-003	0.1306	3.4400e-003	0.1340	0.0376	3.2900e-003	0.0409		630.3132	630.3132	0.0451		631.4407
Worker	0.3719	0.2188	2.8309	5.7300e-003	0.5940	3.5400e-003	0.5976	0.1576	3.2600e-003	0.1608		568.9181	568.9181	0.0230		569.4920
Total	**0.4381**	**2.4137**	**3.3064**	**0.0118**	**0.7246**	**6.9800e-003**	**0.7316**	**0.1952**	**6.5500e-003**	**0.2017**		**1,199.2313**	**1,199.2313**	**0.0681**		**1,200.9326**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0507	0.6498	1.2600e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		124.7680	124.7680	5.3400e-003		124.9015
Total	**0.0843**	**0.0507**	**0.6498**	**1.2600e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**124.7680**	**124.7680**	**5.3400e-003**		**124.9015**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0507	0.6498	1.2600e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		124.7680	124.7680	5.3400e-003		124.9015
Total	**0.0843**	**0.0507**	**0.6498**	**1.2600e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**124.7680**	**124.7680**	**5.3400e-003**		**124.9015**

3.5 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	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	0.0786	0.0462	0.5981	1.2100e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		120.1940	120.1940	4.8500e-003		120.3152
Total	**0.0786**	**0.0462**	**0.5981**	**1.2100e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**120.1940**	**120.1940**	**4.8500e-003**		**120.3152**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	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	0.0786	0.0462	0.5981	1.2100e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		120.1940	120.1940	4.8500e-003		120.3152
Total	**0.0786**	**0.0462**	**0.5981**	**1.2100e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**120.1940**	**120.1940**	**4.8500e-003**		**120.3152**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.1084					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**4.3130**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.0733	0.0431	0.5582	1.1300e-003	0.1171	7.0000e-004	0.1178	0.0311	6.4000e-004	0.0317		112.1810	112.1810	4.5300e-003		112.2942
Total	**0.0733**	**0.0431**	**0.5582**	**1.1300e-003**	**0.1171**	**7.0000e-004**	**0.1178**	**0.0311**	**6.4000e-004**	**0.0317**		**112.1810**	**112.1810**	**4.5300e-003**		**112.2942**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.1084					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**4.3130**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.0733	0.0431	0.5582	1.1300e-003	0.1171	7.0000e-004	0.1178	0.0311	6.4000e-004	0.0317		112.1810	112.1810	4.5300e-003		112.2942
Total	**0.0733**	**0.0431**	**0.5582**	**1.1300e-003**	**0.1171**	**7.0000e-004**	**0.1178**	**0.0311**	**6.4000e-004**	**0.0317**		**112.1810**	**112.1810**	**4.5300e-003**		**112.2942**

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	0.9815	6.1747	9.5319	0.0352	2.0384	0.0157	2.0541	0.5470	0.0147	0.5617		3,609.1682	3,609.1682	0.2020		3,614.2174
Unmitigated	0.9815	6.1747	9.5319	0.0352	2.0384	0.0157	2.0541	0.5470	0.0147	0.5617		3,609.1682	3,609.1682	0.2020		3,614.2174

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	424.80	424.80	424.80	947,362	947,362
Total	424.80	424.80	424.80	947,362	947,362

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Single Family Housing	11.00	3.50	4.50	40.00	20.00	40.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.492822	0.035624	0.185121	0.119005	0.014436	0.005121	0.022629	0.112565	0.003037	0.001863	0.006214	0.000779	0.000783
Single Family Housing	0.492822	0.035624	0.185121	0.119005	0.014436	0.005121	0.022629	0.112565	0.003037	0.001863	0.006214	0.000779	0.000783

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	0.0407	0.3476	0.1479	2.2200e-003		0.0281	0.0281		0.0281	0.0281		443.7798	443.7798	8.5100e-003	8.1400e-003	446.4169
NaturalGas Unmitigated	0.0407	0.3476	0.1479	2.2200e-003		0.0281	0.0281		0.0281	0.0281		443.7798	443.7798	8.5100e-003	8.1400e-003	446.4169

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					
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
Single Family Housing	3772.13	0.0407	0.3476	0.1479	2.2200e-003		0.0281	0.0281		0.0281	0.0281		443.7798	443.7798	8.5100e-003	8.1400e-003	446.4169
Total		**0.0407**	**0.3476**	**0.1479**	**2.2200e-003**		**0.0281**	**0.0281**		**0.0281**	**0.0281**		**443.7798**	**443.7798**	**8.5100e-003**	**8.1400e-003**	**446.4169**

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					
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
Single Family Housing	3.77213	0.0407	0.3476	0.1479	2.2200e-003		0.0281	0.0281		0.0281	0.0281		443.7798	443.7798	8.5100e-003	8.1400e-003	446.4169
Total		**0.0407**	**0.3476**	**0.1479**	**2.2200e-003**		**0.0281**	**0.0281**		**0.0281**	**0.0281**		**443.7798**	**443.7798**	**8.5100e-003**	**8.1400e-003**	**446.4169**

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	2.2289	0.4246	3.8762	2.6300e-003		0.0514	0.0514		0.0514	0.0514	0.0000	494.1149	494.1149	0.0158	8.9400e-003	497.1722
Unmitigated	2.2289	0.4246	3.8762	2.6300e-003		0.0514	0.0514		0.0514	0.0514	0.0000	494.1149	494.1149	0.0158	8.9400e-003	497.1722

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	0.2927					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7797					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0447	0.3818	0.1625	2.4400e-003		0.0309	0.0309		0.0309	0.0309	0.0000	487.4294	487.4294	9.3400e-003	8.9400e-003	490.3260
Landscaping	0.1119	0.0428	3.7137	2.0000e-004		0.0206	0.0206		0.0206	0.0206		6.6855	6.6855	6.4300e-003		6.8463
Total	**2.2289**	**0.4246**	**3.8762**	**2.6400e-003**		**0.0514**	**0.0514**		**0.0514**	**0.0514**	**0.0000**	**494.1149**	**494.1149**	**0.0158**	**8.9400e-003**	**497.1722**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2927					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7797					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0447	0.3818	0.1625	2.4400e-003		0.0309	0.0309		0.0309	0.0309	0.0000	487.4294	487.4294	9.3400e-003	8.9400e-003	490.3260
Landscaping	0.1119	0.0428	3.7137	2.0000e-004		0.0206	0.0206		0.0206	0.0206		6.6855	6.6855	6.4300e-003		6.8463
Total	**2.2289**	**0.4246**	**3.8762**	**2.6400e-003**		**0.0514**	**0.0514**		**0.0514**	**0.0514**	**0.0000**	**494.1149**	**494.1149**	**0.0158**	**8.9400e-003**	**497.1722**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VENTANA Alternative 1

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.00	Acre	3.00	130,680.00	0
Single Family Housing	45.00	Dwelling Unit	42.17	81,000.00	145

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	10			**Operational Year**	2023
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

VENTANA Alternative 1 - Salton Sea Air Basin, Winter

Project Characteristics - Maximum buildout potential of the site under existing land use designation of 1 DU/AC.

Land Use - Assumes maximum allowed under existing "Desert Estates l Neighborhood" designation (1 DU/AC)

Construction Phase - Assumes a 1.5 year buildout from June 2021 to December 2022 (Operational January 2023).

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Equipment list provided by applicant and noise engineers.

Off-road Equipment -

On-road Fugitive Dust - All roads in the project area are paved.

Grading - Assumes same material export as proposed project: 74,383 CY

Vehicle Trips - Assumes trip rate provided in project Traffic Report.

Road Dust - All roads will be paved.

Woodstoves - Wood burning appliances are not proposed.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes adhearence to standard dust control measures (SCAQMD Rule 403.1).

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	740.00	288.00
tblConstructionPhase	NumDays	55.00	260.00
tblConstructionPhase	PhaseEndDate	8/26/2024	12/1/2022
tblConstructionPhase	PhaseEndDate	11/11/2024	1/14/2022
tblConstructionPhase	PhaseEndDate	1/27/2025	12/31/2022
tblConstructionPhase	PhaseStartDate	8/27/2024	11/1/2021
tblConstructionPhase	PhaseStartDate	11/12/2024	1/1/2022
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblGrading	AcresOfGrading	187.50	50.00

tblGrading	MaterialExported	0.00	74,383.00
tblLandUse	LotAcreage	14.61	42.17
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	9.91	9.44
tblVehicleTrips	SU_TR	8.62	9.44
tblVehicleTrips	WD_TR	9.52	9.44

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	4.9465	73.3820	35.6579	0.1568	18.2169	2.0678	20.2623	9.9706	1.9054	11.8524	0.0000	15,965.0759	15,965.0759	2.4777	0.0000	16,027.0180
2022	7.7705	30.6383	36.1694	0.0652	0.9672	1.4673	2.4345	0.2595	1.3734	1.6329	0.0000	6,315.1530	6,315.1530	1.4208	0.0000	6,350.6727
Maximum	**7.7705**	**73.3820**	**36.1694**	**0.1568**	**18.2169**	**2.0678**	**20.2623**	**9.9706**	**1.9054**	**11.8524**	**0.0000**	**15,965.0759**	**15,965.0759**	**2.4777**	**0.0000**	**16,027.0180**

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	4.9465	73.3820	35.6579	0.1568	7.1964	2.0678	9.2418	3.9129	1.9054	5.7947	0.0000	15,965.0759	15,965.0759	2.4777	0.0000	16,027.0180
2022	7.7705	30.6383	36.1694	0.0652	0.9672	1.4673	2.4345	0.2595	1.3734	1.6329	0.0000	6,315.1530	6,315.1530	1.4208	0.0000	6,350.6727
Maximum	**7.7705**	**73.3820**	**36.1694**	**0.1568**	**7.1964**	**2.0678**	**9.2418**	**3.9129**	**1.9054**	**5.7947**	**0.0000**	**15,965.0759**	**15,965.0759**	**2.4777**	**0.0000**	**16,027.0180**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**57.45**	**0.00**	**48.56**	**59.21**	**0.00**	**44.92**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2289	0.4246	3.8762	2.6300e-003		0.0514	0.0514		0.0514	0.0514	0.0000	494.1149	494.1149	0.0158	8.9400e-003	497.1722
Energy	0.0407	0.3476	0.1479	2.2200e-003		0.0281	0.0281		0.0281	0.0281		443.7798	443.7798	8.5100e-003	8.1400e-003	446.4169
Mobile	0.7056	6.1075	7.7300	0.0316	2.0384	0.0159	2.0543	0.5470	0.0149	0.5619		3,242.1076	3,242.1076	0.2054		3,247.2415
Total	**2.9752**	**6.8797**	**11.7541**	**0.0364**	**2.0384**	**0.0954**	**2.1338**	**0.5470**	**0.0944**	**0.6414**	**0.0000**	**4,180.0023**	**4,180.0023**	**0.2296**	**0.0171**	**4,190.8306**

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	2.2289	0.4246	3.8762	2.6300e-003		0.0514	0.0514		0.0514	0.0514	0.0000	494.1149	494.1149	0.0158	8.9400e-003	497.1722
Energy	0.0407	0.3476	0.1479	2.2200e-003		0.0281	0.0281		0.0281	0.0281		443.7798	443.7798	8.5100e-003	8.1400e-003	446.4169
Mobile	0.7056	6.1075	7.7300	0.0316	2.0384	0.0159	2.0543	0.5470	0.0149	0.5619		3,242.1076	3,242.1076	0.2054		3,247.2415
Total	**2.9752**	**6.8797**	**11.7541**	**0.0364**	**2.0384**	**0.0954**	**2.1338**	**0.5470**	**0.0944**	**0.6414**	**0.0000**	**4,180.0023**	**4,180.0023**	**0.2296**	**0.0171**	**4,190.8306**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2021	7/12/2021	5	30	
2	Grading	Grading	7/13/2021	10/25/2021	5	75	
3	Building Construction	Building Construction	10/26/2021	12/1/2022	5	288	
4	Paving	Paving	11/1/2021	1/14/2022	5	55	
5	Architectural Coating	Architectural Coating	1/1/2022	12/31/2022	5	260	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 3

Residential Indoor: 164,025; Residential Outdoor: 54,675; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

VENTANA Alternative 1 - Salton Sea Air Basin, Winter

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

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
Grading	8	20.00	0.00	9,298.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	71.00	26.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

3.2 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**

3.2 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	0.0000	0.0000	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	0.0837	0.0627	0.5565	1.2600e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		125.8036	125.8036	5.0700e-003		125.9304
Total	**0.0837**	**0.0627**	**0.5565**	**1.2600e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**125.8036**	**125.8036**	**5.0700e-003**		**125.9304**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	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**	**7.0458**	**2.0445**	**9.0903**	**3.8730**	**1.8809**	**5.7539**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 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	0.0000	0.0000	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	0.0837	0.0627	0.5565	1.2600e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		125.8036	125.8036	5.0700e-003		125.9304
Total	**0.0837**	**0.0627**	**0.5565**	**1.2600e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**125.8036**	**125.8036**	**5.0700e-003**		**125.9304**

3.3 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					6.9266	0.0000	6.9266	3.4165	0.0000	3.4165			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.9266**	**1.9853**	**8.9119**	**3.4165**	**1.8265**	**5.2430**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6624	26.9125	4.1611	0.0934	2.1730	0.0815	2.2545	0.5961	0.0779	0.6740		9,818.2507	9,818.2507	0.5293		9,831.4819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0930	0.0696	0.6183	1.4100e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		139.7818	139.7818	5.6400e-003		139.9227
Total	**0.7554**	**26.9821**	**4.7794**	**0.0948**	**2.3404**	**0.0825**	**2.4229**	**0.6405**	**0.0789**	**0.7193**		**9,958.0324**	**9,958.0324**	**0.5349**		**9,971.4046**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7014	0.0000	2.7014	1.3324	0.0000	1.3324			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**2.7014**	**1.9853**	**4.6867**	**1.3324**	**1.8265**	**3.1589**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6624	26.9125	4.1611	0.0934	2.1730	0.0815	2.2545	0.5961	0.0779	0.6740		9,818.2507	9,818.2507	0.5293		9,831.4819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0930	0.0696	0.6183	1.4100e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		139.7818	139.7818	5.6400e-003		139.9227
Total	**0.7554**	**26.9821**	**4.7794**	**0.0948**	**2.3404**	**0.0825**	**2.4229**	**0.6405**	**0.0789**	**0.7193**		**9,958.0324**	**9,958.0324**	**0.5349**		**9,971.4046**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0754	2.2968	0.6198	5.7700e-003	0.1306	4.3100e-003	0.1349	0.0376	4.1200e-003	0.0417		603.5568	603.5568	0.0547		604.9240
Worker	0.3301	0.2472	2.1951	4.9900e-003	0.5940	3.6600e-003	0.5977	0.1576	3.3700e-003	0.1609		496.2253	496.2253	0.0200		496.7255
Total	**0.4055**	**2.5440**	**2.8149**	**0.0108**	**0.7246**	**7.9700e-003**	**0.7326**	**0.1952**	**7.4900e-003**	**0.2027**		**1,099.7820**	**1,099.7820**	**0.0747**		**1,101.6495**

Mitigated Construction On-Site

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

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0754	2.2968	0.6198	5.7700e-003	0.1306	4.3100e-003	0.1349	0.0376	4.1200e-003	0.0417		603.5568	603.5568	0.0547		604.9240
Worker	0.3301	0.2472	2.1951	4.9900e-003	0.5940	3.6600e-003	0.5977	0.1576	3.3700e-003	0.1609		496.2253	496.2253	0.0200		496.7255
Total	**0.4055**	**2.5440**	**2.8149**	**0.0108**	**0.7246**	**7.9700e-003**	**0.7326**	**0.1952**	**7.4900e-003**	**0.2027**		**1,099.7820**	**1,099.7820**	**0.0747**		**1,101.6495**

3.4 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**

3.4 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	0.0702	2.1724	0.5731	5.7100e-003	0.1306	3.6300e-003	0.1342	0.0376	3.4700e-003	0.0411		598.3562	598.3562	0.0508		599.6272
Worker	0.3091	0.2251	2.0156	4.8100e-003	0.5940	3.5400e-003	0.5976	0.1576	3.2600e-003	0.1608		478.0820	478.0820	0.0182		478.5377
Total	**0.3793**	**2.3974**	**2.5887**	**0.0105**	**0.7246**	**7.1700e-003**	**0.7318**	**0.1952**	**6.7300e-003**	**0.2019**		**1,076.4381**	**1,076.4381**	**0.0691**		**1,078.1649**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.0702	2.1724	0.5731	5.7100e-003	0.1306	3.6300e-003	0.1342	0.0376	3.4700e-003	0.0411		598.3562	598.3562	0.0508		599.6272
Worker	0.3091	0.2251	2.0156	4.8100e-003	0.5940	3.5400e-003	0.5976	0.1576	3.2600e-003	0.1608		478.0820	478.0820	0.0182		478.5377
Total	**0.3793**	**2.3974**	**2.5887**	**0.0105**	**0.7246**	**7.1700e-003**	**0.7318**	**0.1952**	**6.7300e-003**	**0.2019**		**1,076.4381**	**1,076.4381**	**0.0691**		**1,078.1649**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0522	0.4638	1.0500e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		104.8363	104.8363	4.2300e-003		104.9420
Total	**0.0697**	**0.0522**	**0.4638**	**1.0500e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**104.8363**	**104.8363**	**4.2300e-003**		**104.9420**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0522	0.4638	1.0500e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		104.8363	104.8363	4.2300e-003		104.9420
Total	**0.0697**	**0.0522**	**0.4638**	**1.0500e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**104.8363**	**104.8363**	**4.2300e-003**		**104.9420**

3.5 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0653	0.0476	0.4258	1.0200e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		101.0032	101.0032	3.8500e-003		101.0995
Total	**0.0653**	**0.0476**	**0.4258**	**1.0200e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**101.0032**	**101.0032**	**3.8500e-003**		**101.0995**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0653	0.0476	0.4258	1.0200e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		101.0032	101.0032	3.8500e-003		101.0995
Total	**0.0653**	**0.0476**	**0.4258**	**1.0200e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**101.0032**	**101.0032**	**3.8500e-003**		**101.0995**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.1084					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**4.3130**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.0610	0.0444	0.3974	9.5000e-004	0.1171	7.0000e-004	0.1178	0.0311	6.4000e-004	0.0317		94.2697	94.2697	3.5900e-003		94.3596
Total	**0.0610**	**0.0444**	**0.3974**	**9.5000e-004**	**0.1171**	**7.0000e-004**	**0.1178**	**0.0311**	**6.4000e-004**	**0.0317**		**94.2697**	**94.2697**	**3.5900e-003**		**94.3596**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.1084					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**4.3130**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.0610	0.0444	0.3974	9.5000e-004	0.1171	7.0000e-004	0.1178	0.0311	6.4000e-004	0.0317		94.2697	94.2697	3.5900e-003		94.3596
Total	**0.0610**	**0.0444**	**0.3974**	**9.5000e-004**	**0.1171**	**7.0000e-004**	**0.1178**	**0.0311**	**6.4000e-004**	**0.0317**		**94.2697**	**94.2697**	**3.5900e-003**		**94.3596**

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	0.7056	6.1075	7.7300	0.0316	2.0384	0.0159	2.0543	0.5470	0.0149	0.5619		3,242.1076	3,242.1076	0.2054		3,247.2415
Unmitigated	0.7056	6.1075	7.7300	0.0316	2.0384	0.0159	2.0543	0.5470	0.0149	0.5619		3,242.1076	3,242.1076	0.2054		3,247.2415

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	424.80	424.80	424.80	947,362	947,362
Total	424.80	424.80	424.80	947,362	947,362

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0
Single Family Housing	11.00	3.50	4.50	40.00	20.00	40.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.492822	0.035624	0.185121	0.119005	0.014436	0.005121	0.022629	0.112565	0.003037	0.001863	0.006214	0.000779	0.000783
Single Family Housing	0.492822	0.035624	0.185121	0.119005	0.014436	0.005121	0.022629	0.112565	0.003037	0.001863	0.006214	0.000779	0.000783

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	0.0407	0.3476	0.1479	2.2200e-003		0.0281	0.0281		0.0281	0.0281		443.7798	443.7798	8.5100e-003	8.1400e-003	446.4169
NaturalGas Unmitigated	0.0407	0.3476	0.1479	2.2200e-003		0.0281	0.0281		0.0281	0.0281		443.7798	443.7798	8.5100e-003	8.1400e-003	446.4169

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					
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
Single Family Housing	3772.13	0.0407	0.3476	0.1479	2.2200e-003		0.0281	0.0281		0.0281	0.0281		443.7798	443.7798	8.5100e-003	8.1400e-003	446.4169
Total		**0.0407**	**0.3476**	**0.1479**	**2.2200e-003**		**0.0281**	**0.0281**		**0.0281**	**0.0281**		**443.7798**	**443.7798**	**8.5100e-003**	**8.1400e-003**	**446.4169**

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					
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
Single Family Housing	3.77213	0.0407	0.3476	0.1479	2.2200e-003		0.0281	0.0281		0.0281	0.0281		443.7798	443.7798	8.5100e-003	8.1400e-003	446.4169
Total		**0.0407**	**0.3476**	**0.1479**	**2.2200e-003**		**0.0281**	**0.0281**		**0.0281**	**0.0281**		**443.7798**	**443.7798**	**8.5100e-003**	**8.1400e-003**	**446.4169**

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	2.2289	0.4246	3.8762	2.6300e-003		0.0514	0.0514		0.0514	0.0514	0.0000	494.1149	494.1149	0.0158	8.9400e-003	497.1722
Unmitigated	2.2289	0.4246	3.8762	2.6300e-003		0.0514	0.0514		0.0514	0.0514	0.0000	494.1149	494.1149	0.0158	8.9400e-003	497.1722

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	0.2927					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7797					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0447	0.3818	0.1625	2.4400e-003		0.0309	0.0309		0.0309	0.0309	0.0000	487.4294	487.4294	9.3400e-003	8.9400e-003	490.3260
Landscaping	0.1119	0.0428	3.7137	2.0000e-004		0.0206	0.0206		0.0206	0.0206		6.6855	6.6855	6.4300e-003		6.8463
Total	**2.2289**	**0.4246**	**3.8762**	**2.6400e-003**		**0.0514**	**0.0514**		**0.0514**	**0.0514**	**0.0000**	**494.1149**	**494.1149**	**0.0158**	**8.9400e-003**	**497.1722**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2927					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7797					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0447	0.3818	0.1625	2.4400e-003		0.0309	0.0309		0.0309	0.0309	0.0000	487.4294	487.4294	9.3400e-003	8.9400e-003	490.3260
Landscaping	0.1119	0.0428	3.7137	2.0000e-004		0.0206	0.0206		0.0206	0.0206		6.6855	6.6855	6.4300e-003		6.8463
Total	**2.2289**	**0.4246**	**3.8762**	**2.6400e-003**		**0.0514**	**0.0514**		**0.0514**	**0.0514**	**0.0000**	**494.1149**	**494.1149**	**0.0158**	**8.9400e-003**	**497.1722**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VENTANA Alternative 2

Salton Sea Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.00	Acre	3.00	130,680.00	0
Condo/Townhouse	361.00	Dwelling Unit	42.17	361,000.00	1166

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	10			**Operational Year**	2024
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Maximum buildout potential of the site under "Suburban Neighborhood" (0-8 DU/AC)

Land Use - Assumes maximum allowed under existing "Suburban Neighborhood" designation (0-8 DU/AC)

Construction Phase - Assumes a 3 year buildout from June 2021 to June 2024.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Equipment list provided by applicant and noise engineers.

Off-road Equipment -

On-road Fugitive Dust - All roads in the project area are paved.

Grading - Assumes same material export as proposed project: 74,383 CY

Vehicle Trips - Assumes default CalEEMod trip rate for condo/townhouse.

Road Dust - All roads will be paved.

Woodstoves - Wood burning appliances are not proposed.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes adhearence to standard dust control measures (SCAQMD Rule 403.1)

VENTANA Alternative 2 - Salton Sea Air Basin, Annual

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	740.00	657.00
tblConstructionPhase	NumDays	55.00	630.00
tblGrading	AcresOfGrading	187.50	50.00
tblGrading	MaterialExported	0.00	74,383.00
tblLandUse	LotAcreage	22.56	42.17
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00

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	0.3645	4.2442	2.6971	8.6600e-003	0.6937	0.1476	0.8413	0.3213	0.1364	0.4576	0.0000	790.0745	790.0745	0.1326	0.0000	793.3897
2022	1.4356	3.0822	4.1561	9.3500e-003	0.4457	0.1221	0.5678	0.1192	0.1155	0.2347	0.0000	835.8572	835.8572	0.1030	0.0000	838.4315
2023	1.3922	2.6940	3.9246	9.0600e-003	0.4450	0.1030	0.5480	0.1190	0.0974	0.2164	0.0000	809.4014	809.4014	0.0942	0.0000	811.7574
2024	0.5468	0.8778	1.3350	3.1100e-003	0.1564	0.0313	0.1877	0.0418	0.0296	0.0715	0.0000	277.9632	277.9632	0.0317	0.0000	278.7558
Maximum	**1.4356**	**4.2442**	**4.1561**	**9.3500e-003**	**0.6937**	**0.1476**	**0.8413**	**0.3213**	**0.1364**	**0.4576**	**0.0000**	**835.8572**	**835.8572**	**0.1326**	**0.0000**	**838.4315**

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	0.3645	4.2442	2.6971	8.6600e-003	0.3700	0.1476	0.5176	0.1522	0.1364	0.2886	0.0000	790.0740	790.0740	0.1326	0.0000	793.3893
2022	1.4356	3.0822	4.1561	9.3500e-003	0.4457	0.1221	0.5678	0.1192	0.1155	0.2347	0.0000	835.8568	835.8568	0.1030	0.0000	838.4311
2023	1.3922	2.6940	3.9246	9.0600e-003	0.4450	0.1030	0.5480	0.1190	0.0974	0.2164	0.0000	809.4010	809.4010	0.0942	0.0000	811.7570
2024	0.5468	0.8778	1.3350	3.1100e-003	0.1564	0.0313	0.1877	0.0418	0.0296	0.0715	0.0000	277.9631	277.9631	0.0317	0.0000	278.7557
Maximum	**1.4356**	**4.2442**	**4.1561**	**9.3500e-003**	**0.4457**	**0.1476**	**0.5678**	**0.1522**	**0.1364**	**0.2886**	**0.0000**	**835.8568**	**835.8568**	**0.1326**	**0.0000**	**838.4311**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**18.60**	**0.00**	**15.09**	**28.11**	**0.00**	**17.24**	**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	**6-1-2021**	**8-31-2021**	2.0587	2.0587
2	**9-1-2021**	**11-30-2021**	2.0403	2.0403
3	**12-1-2021**	**2-28-2022**	1.2462	1.2462
4	**3-1-2022**	**5-31-2022**	1.1316	1.1316
5	**6-1-2022**	**8-31-2022**	1.1354	1.1354
6	**9-1-2022**	**11-30-2022**	1.1156	1.1156
7	**12-1-2022**	**2-28-2023**	1.0402	1.0402
8	**3-1-2023**	**5-31-2023**	1.0385	1.0385

9	**6-1-2023**	**8-31-2023**	1.0421	1.0421
10	**9-1-2023**	**11-30-2023**	1.0236	1.0236
11	**12-1-2023**	**2-29-2024**	0.9918	0.9918
12	**3-1-2024**	**5-31-2024**	0.7668	0.7668
13	**6-1-2024**	**8-31-2024**	0.0033	0.0033
		Highest	2.0587	2.0587

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	1.7283	0.0375	2.6822	1.8000e-004		0.0154	0.0154		0.0154	0.0154	0.0000	12.0053	12.0053	4.3500e-003	1.4000e-004	12.1557
Energy	0.0441	0.3770	0.1604	2.4100e-003		0.0305	0.0305		0.0305	0.0305	0.0000	1,610.7436	1,610.7436	0.0352	0.0136	1,615.6598
Mobile	0.6607	5.2763	6.7689	0.0285	1.7607	0.0136	1.7744	0.4729	0.0127	0.4857	0.0000	2,650.3567	2,650.3567	0.1530	0.0000	2,654.1822
Waste						0.0000	0.0000		0.0000	0.0000	33.7087	0.0000	33.7087	1.9921	0.0000	83.5118
Water						0.0000	0.0000		0.0000	0.0000	7.4620	271.5194	278.9814	0.7726	0.0194	304.0717
Total	**2.4331**	**5.6907**	**9.6115**	**0.0310**	**1.7607**	**0.0595**	**1.8202**	**0.4729**	**0.0586**	**0.5315**	**41.1707**	**4,544.6251**	**4,585.7957**	**2.9573**	**0.0331**	**4,669.5812**

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	1.7283	0.0375	2.6822	1.8000e-004		0.0154	0.0154		0.0154	0.0154	0.0000	12.0053	12.0053	4.3500e-003	1.4000e-004	12.1557
Energy	0.0441	0.3770	0.1604	2.4100e-003		0.0305	0.0305		0.0305	0.0305	0.0000	1,610.7436	1,610.7436	0.0352	0.0136	1,615.6598
Mobile	0.6607	5.2763	6.7689	0.0285	1.7607	0.0136	1.7744	0.4729	0.0127	0.4857	0.0000	2,650.3567	2,650.3567	0.1530	0.0000	2,654.1822
Waste						0.0000	0.0000		0.0000	0.0000	33.7087	0.0000	33.7087	1.9921	0.0000	83.5118
Water						0.0000	0.0000		0.0000	0.0000	7.4620	271.5194	278.9814	0.7726	0.0194	304.0717
Total	**2.4331**	**5.6907**	**9.6115**	**0.0310**	**1.7607**	**0.0595**	**1.8202**	**0.4729**	**0.0586**	**0.5315**	**41.1707**	**4,544.6251**	**4,585.7957**	**2.9573**	**0.0331**	**4,669.5812**

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

3.0 Construction Detail

Construction Phase

VENTANA Alternative 2 - Salton Sea Air Basin, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2021	7/12/2021	5	30	
2	Grading	Grading	7/13/2021	10/25/2021	5	75	
3	Building Construction	Building Construction	10/26/2021	5/1/2024	5	657	
4	Paving	Paving	11/1/2021	1/14/2022	5	55	
5	Architectural Coating	Architectural Coating	1/1/2022	6/1/2024	5	630	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 3

Residential Indoor: 731,025; Residential Outdoor: 243,675; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

VENTANA Alternative 2 - Salton Sea Air Basin, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Grading	8	20.00	0.00	9,298.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	315.00	60.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	63.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

3.2 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					0.2710	0.0000	0.2710	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0583	0.6075	0.3173	5.7000e-004		0.0307	0.0307		0.0282	0.0282	0.0000	50.1536	50.1536	0.0162	0.0000	50.5591
Total	**0.0583**	**0.6075**	**0.3173**	**5.7000e-004**	**0.2710**	**0.0307**	**0.3017**	**0.1490**	**0.0282**	**0.1772**	**0.0000**	**50.1536**	**50.1536**	**0.0162**	**0.0000**	**50.5591**

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	9.2000e-004	9.3400e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8423	1.8423	8.0000e-005	0.0000	1.8442
Total	**1.2800e-003**	**9.2000e-004**	**9.3400e-003**	**2.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2500e-003**	**5.9000e-004**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**1.8423**	**1.8423**	**8.0000e-005**	**0.0000**	**1.8442**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1057	0.0000	0.1057	0.0581	0.0000	0.0581	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0583	0.6075	0.3173	5.7000e-004		0.0307	0.0307		0.0282	0.0282	0.0000	50.1535	50.1535	0.0162	0.0000	50.5590
Total	**0.0583**	**0.6075**	**0.3173**	**5.7000e-004**	**0.1057**	**0.0307**	**0.1364**	**0.0581**	**0.0282**	**0.0863**	**0.0000**	**50.1535**	**50.1535**	**0.0162**	**0.0000**	**50.5590**

3.2 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2800e-003	9.2000e-004	9.3400e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2500e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8423	1.8423	8.0000e-005	0.0000	1.8442
Total	**1.2800e-003**	**9.2000e-004**	**9.3400e-003**	**2.0000e-005**	**2.2300e-003**	**1.0000e-005**	**2.2500e-003**	**5.9000e-004**	**1.0000e-005**	**6.1000e-004**	**0.0000**	**1.8423**	**1.8423**	**8.0000e-005**	**0.0000**	**1.8442**

3.3 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					0.2598	0.0000	0.2598	0.1281	0.0000	0.1281	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1572	1.7400	1.1579	2.3300e-003		0.0745	0.0745		0.0685	0.0685	0.0000	204.3562	204.3562	0.0661	0.0000	206.0085
Total	**0.1572**	**1.7400**	**1.1579**	**2.3300e-003**	**0.2598**	**0.0745**	**0.3342**	**0.1281**	**0.0685**	**0.1966**	**0.0000**	**204.3562**	**204.3562**	**0.0661**	**0.0000**	**206.0085**

3.3 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	0.0240	1.0165	0.1407	3.5600e-003	0.0807	3.0200e-003	0.0837	0.0222	2.8900e-003	0.0250	0.0000	339.9294	339.9294	0.0169	0.0000	340.3516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5400e-003	2.5600e-003	0.0259	6.0000e-005	6.2000e-003	4.0000e-005	6.2400e-003	1.6500e-003	4.0000e-005	1.6800e-003	0.0000	5.1175	5.1175	2.1000e-004	0.0000	5.1227
Total	**0.0275**	**1.0191**	**0.1666**	**3.6200e-003**	**0.0869**	**3.0600e-003**	**0.0899**	**0.0238**	**2.9300e-003**	**0.0267**	**0.0000**	**345.0470**	**345.0470**	**0.0171**	**0.0000**	**345.4743**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1013	0.0000	0.1013	0.0500	0.0000	0.0500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1572	1.7400	1.1579	2.3300e-003		0.0745	0.0745		0.0685	0.0685	0.0000	204.3559	204.3559	0.0661	0.0000	206.0083
Total	**0.1572**	**1.7400**	**1.1579**	**2.3300e-003**	**0.1013**	**0.0745**	**0.1758**	**0.0500**	**0.0685**	**0.1185**	**0.0000**	**204.3559**	**204.3559**	**0.0661**	**0.0000**	**206.0083**

3.3 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	0.0240	1.0165	0.1407	3.5600e-003	0.0807	3.0200e-003	0.0837	0.0222	2.8900e-003	0.0250	0.0000	339.9294	339.9294	0.0169	0.0000	340.3516
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5400e-003	2.5600e-003	0.0259	6.0000e-005	6.2000e-003	4.0000e-005	6.2400e-003	1.6500e-003	4.0000e-005	1.6800e-003	0.0000	5.1175	5.1175	2.1000e-004	0.0000	5.1227
Total	**0.0275**	**1.0191**	**0.1666**	**3.6200e-003**	**0.0869**	**3.0600e-003**	**0.0899**	**0.0238**	**2.9300e-003**	**0.0267**	**0.0000**	**345.0470**	**345.0470**	**0.0171**	**0.0000**	**345.4743**

3.4 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	0.0466	0.4271	0.4061	6.6000e-004		0.0235	0.0235		0.0221	0.0221	0.0000	56.7511	56.7511	0.0137	0.0000	57.0934
Total	**0.0466**	**0.4271**	**0.4061**	**6.6000e-004**		**0.0235**	**0.0235**		**0.0221**	**0.0221**	**0.0000**	**56.7511**	**56.7511**	**0.0137**	**0.0000**	**57.0934**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0800e-003	0.1315	0.0315	3.4000e-004	7.3100e-003	2.4000e-004	7.5500e-003	2.1100e-003	2.3000e-004	2.3400e-003	0.0000	31.9093	31.9093	2.6200e-003	0.0000	31.9748
Worker	0.0365	0.0264	0.2669	5.8000e-004	0.0638	4.0000e-004	0.0642	0.0169	3.7000e-004	0.0173	0.0000	52.6593	52.6593	2.1500e-003	0.0000	52.7130
Total	**0.0406**	**0.1579**	**0.2984**	**9.2000e-004**	**0.0711**	**6.4000e-004**	**0.0718**	**0.0191**	**6.0000e-004**	**0.0196**	**0.0000**	**84.5686**	**84.5686**	**4.7700e-003**	**0.0000**	**84.6879**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0466	0.4271	0.4061	6.6000e-004		0.0235	0.0235		0.0221	0.0221	0.0000	56.7511	56.7511	0.0137	0.0000	57.0934
Total	**0.0466**	**0.4271**	**0.4061**	**6.6000e-004**		**0.0235**	**0.0235**		**0.0221**	**0.0221**	**0.0000**	**56.7511**	**56.7511**	**0.0137**	**0.0000**	**57.0934**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0800e-003	0.1315	0.0315	3.4000e-004	7.3100e-003	2.4000e-004	7.5500e-003	2.1100e-003	2.3000e-004	2.3400e-003	0.0000	31.9093	31.9093	2.6200e-003	0.0000	31.9748
Worker	0.0365	0.0264	0.2669	5.8000e-004	0.0638	4.0000e-004	0.0642	0.0169	3.7000e-004	0.0173	0.0000	52.6593	52.6593	2.1500e-003	0.0000	52.7130
Total	**0.0406**	**0.1579**	**0.2984**	**9.2000e-004**	**0.0711**	**6.4000e-004**	**0.0718**	**0.0191**	**6.0000e-004**	**0.0196**	**0.0000**	**84.5686**	**84.5686**	**4.7700e-003**	**0.0000**	**84.6879**

3.4 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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2428**	**301.2428**	**0.0722**	**0.0000**	**303.0471**

3.4 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	0.0201	0.6604	0.1541	1.7700e-003	0.0388	1.0600e-003	0.0398	0.0112	1.0100e-003	0.0122	0.0000	167.8903	167.8903	0.0129	0.0000	168.2133
Worker	0.1808	0.1274	1.3031	2.9800e-003	0.3385	2.0400e-003	0.3406	0.0899	1.8800e-003	0.0918	0.0000	269.1875	269.1875	0.0104	0.0000	269.4472
Total	**0.2010**	**0.7878**	**1.4572**	**4.7500e-003**	**0.3773**	**3.1000e-003**	**0.3804**	**0.1011**	**2.8900e-003**	**0.1040**	**0.0000**	**437.0778**	**437.0778**	**0.0233**	**0.0000**	**437.6605**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	**0.2218**	**2.0300**	**2.1272**	**3.5000e-003**		**0.1052**	**0.1052**		**0.0990**	**0.0990**	**0.0000**	**301.2425**	**301.2425**	**0.0722**	**0.0000**	**303.0467**

3.4 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	0.0201	0.6604	0.1541	1.7700e-003	0.0388	1.0600e-003	0.0398	0.0112	1.0100e-003	0.0122	0.0000	167.8903	167.8903	0.0129	0.0000	168.2133
Worker	0.1808	0.1274	1.3031	2.9800e-003	0.3385	2.0400e-003	0.3406	0.0899	1.8800e-003	0.0918	0.0000	269.1875	269.1875	0.0104	0.0000	269.4472
Total	**0.2010**	**0.7878**	**1.4572**	**4.7500e-003**	**0.3773**	**3.1000e-003**	**0.3804**	**0.1011**	**2.8900e-003**	**0.1040**	**0.0000**	**437.0778**	**437.0778**	**0.0233**	**0.0000**	**437.6605**

3.4 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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

3.4 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	0.0159	0.5147	0.1340	1.7300e-003	0.0388	4.2000e-004	0.0392	0.0112	4.0000e-004	0.0116	0.0000	164.1066	164.1066	9.1800e-003	0.0000	164.3361
Worker	0.1696	0.1166	1.2028	2.8700e-003	0.3385	1.9800e-003	0.3405	0.0899	1.8300e-003	0.0917	0.0000	258.9636	258.9636	9.4900e-003	0.0000	259.2008
Total	**0.1854**	**0.6313**	**1.3368**	**4.6000e-003**	**0.3773**	**2.4000e-003**	**0.3797**	**0.1011**	**2.2300e-003**	**0.1033**	**0.0000**	**423.0702**	**423.0702**	**0.0187**	**0.0000**	**423.5369**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

3.4 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	0.0159	0.5147	0.1340	1.7300e-003	0.0388	4.2000e-004	0.0392	0.0112	4.0000e-004	0.0116	0.0000	164.1066	164.1066	9.1800e-003	0.0000	164.3361
Worker	0.1696	0.1166	1.2028	2.8700e-003	0.3385	1.9800e-003	0.3405	0.0899	1.8300e-003	0.0917	0.0000	258.9636	258.9636	9.4900e-003	0.0000	259.2008
Total	**0.1854**	**0.6313**	**1.3368**	**4.6000e-003**	**0.3773**	**2.4000e-003**	**0.3797**	**0.1011**	**2.2300e-003**	**0.1033**	**0.0000**	**423.0702**	**423.0702**	**0.0187**	**0.0000**	**423.5369**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0648	0.5915	0.7113	1.1900e-003		0.0270	0.0270		0.0254	0.0254	0.0000	102.0136	102.0136	0.0241	0.0000	102.6167
Total	**0.0648**	**0.5915**	**0.7113**	**1.1900e-003**		**0.0270**	**0.0270**		**0.0254**	**0.0254**	**0.0000**	**102.0136**	**102.0136**	**0.0241**	**0.0000**	**102.6167**

3.4 Building Construction - 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	5.2300e-003	0.1735	0.0433	5.8000e-004	0.0131	1.4000e-004	0.0133	3.7900e-003	1.3000e-004	3.9200e-003	0.0000	55.3536	55.3536	3.0100e-003	0.0000	55.4288
Worker	0.0542	0.0366	0.3847	9.4000e-004	0.1146	6.7000e-004	0.1153	0.0304	6.2000e-004	0.0310	0.0000	85.2425	85.2425	3.0300e-003	0.0000	85.3181
Total	**0.0594**	**0.2101**	**0.4280**	**1.5200e-003**	**0.1277**	**8.1000e-004**	**0.1285**	**0.0342**	**7.5000e-004**	**0.0350**	**0.0000**	**140.5961**	**140.5961**	**6.0400e-003**	**0.0000**	**140.7469**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0648	0.5915	0.7113	1.1900e-003		0.0270	0.0270		0.0254	0.0254	0.0000	102.0135	102.0135	0.0241	0.0000	102.6166
Total	**0.0648**	**0.5915**	**0.7113**	**1.1900e-003**		**0.0270**	**0.0270**		**0.0254**	**0.0254**	**0.0000**	**102.0135**	**102.0135**	**0.0241**	**0.0000**	**102.6166**

3.4 Building Construction - 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	5.2300e-003	0.1735	0.0433	5.8000e-004	0.0131	1.4000e-004	0.0133	3.7900e-003	1.3000e-004	3.9200e-003	0.0000	55.3536	55.3536	3.0100e-003	0.0000	55.4288
Worker	0.0542	0.0366	0.3847	9.4000e-004	0.1146	6.7000e-004	0.1153	0.0304	6.2000e-004	0.0310	0.0000	85.2425	85.2425	3.0300e-003	0.0000	85.3181
Total	**0.0594**	**0.2101**	**0.4280**	**1.5200e-003**	**0.1277**	**8.1000e-004**	**0.1285**	**0.0342**	**7.5000e-004**	**0.0350**	**0.0000**	**140.5961**	**140.5961**	**6.0400e-003**	**0.0000**	**140.7469**

3.5 Paving - 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	0.0283	0.2907	0.3297	5.1000e-004		0.0153	0.0153		0.0140	0.0140	0.0000	45.0528	45.0528	0.0146	0.0000	45.4171
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0315**	**0.2907**	**0.3297**	**5.1000e-004**		**0.0153**	**0.0153**		**0.0140**	**0.0140**	**0.0000**	**45.0528**	**45.0528**	**0.0146**	**0.0000**	**45.4171**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5900e-003	1.1500e-003	0.0117	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.3029	2.3029	9.0000e-005	0.0000	2.3052
Total	**1.5900e-003**	**1.1500e-003**	**0.0117**	**3.0000e-005**	**2.7900e-003**	**2.0000e-005**	**2.8100e-003**	**7.4000e-004**	**2.0000e-005**	**7.6000e-004**	**0.0000**	**2.3029**	**2.3029**	**9.0000e-005**	**0.0000**	**2.3052**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0283	0.2907	0.3297	5.1000e-004		0.0153	0.0153		0.0140	0.0140	0.0000	45.0528	45.0528	0.0146	0.0000	45.4171
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0315**	**0.2907**	**0.3297**	**5.1000e-004**		**0.0153**	**0.0153**		**0.0140**	**0.0140**	**0.0000**	**45.0528**	**45.0528**	**0.0146**	**0.0000**	**45.4171**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5900e-003	1.1500e-003	0.0117	3.0000e-005	2.7900e-003	2.0000e-005	2.8100e-003	7.4000e-004	2.0000e-005	7.6000e-004	0.0000	2.3029	2.3029	9.0000e-005	0.0000	2.3052
Total	**1.5900e-003**	**1.1500e-003**	**0.0117**	**3.0000e-005**	**2.7900e-003**	**2.0000e-005**	**2.8100e-003**	**7.4000e-004**	**2.0000e-005**	**7.6000e-004**	**0.0000**	**2.3029**	**2.3029**	**9.0000e-005**	**0.0000**	**2.3052**

3.5 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	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0948
Paving	7.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.2200e-003**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0948**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.3000e-004	2.3900e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4930	0.4930	2.0000e-005	0.0000	0.4935
Total	**3.3000e-004**	**2.3000e-004**	**2.3900e-003**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**6.2000e-004**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.4930**	**0.4930**	**2.0000e-005**	**0.0000**	**0.4935**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.5100e-003	0.0556	0.0729	1.1000e-004		2.8400e-003	2.8400e-003		2.6100e-003	2.6100e-003	0.0000	10.0138	10.0138	3.2400e-003	0.0000	10.0947
Paving	7.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.2200e-003**	**0.0556**	**0.0729**	**1.1000e-004**		**2.8400e-003**	**2.8400e-003**		**2.6100e-003**	**2.6100e-003**	**0.0000**	**10.0138**	**10.0138**	**3.2400e-003**	**0.0000**	**10.0947**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.3000e-004	2.3900e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4930	0.4930	2.0000e-005	0.0000	0.4935
Total	**3.3000e-004**	**2.3000e-004**	**2.3900e-003**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**6.2000e-004**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**0.0000**	**0.4930**	**0.4930**	**2.0000e-005**	**0.0000**	**0.4935**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9435					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	**0.9701**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**	**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2463**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0362	0.0255	0.2606	6.0000e-004	0.0677	4.1000e-004	0.0681	0.0180	3.8000e-004	0.0184	0.0000	53.8375	53.8375	2.0800e-003	0.0000	53.8894
Total	**0.0362**	**0.0255**	**0.2606**	**6.0000e-004**	**0.0677**	**4.1000e-004**	**0.0681**	**0.0180**	**3.8000e-004**	**0.0184**	**0.0000**	**53.8375**	**53.8375**	**2.0800e-003**	**0.0000**	**53.8894**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9435					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	**0.9701**	**0.1831**	**0.2358**	**3.9000e-004**		**0.0106**	**0.0106**		**0.0106**	**0.0106**	**0.0000**	**33.1923**	**33.1923**	**2.1600e-003**	**0.0000**	**33.2463**

3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0362	0.0255	0.2606	6.0000e-004	0.0677	4.1000e-004	0.0681	0.0180	3.8000e-004	0.0184	0.0000	53.8375	53.8375	2.0800e-003	0.0000	53.8894
Total	**0.0362**	**0.0255**	**0.2606**	**6.0000e-004**	**0.0677**	**4.1000e-004**	**0.0681**	**0.0180**	**3.8000e-004**	**0.0184**	**0.0000**	**53.8375**	**53.8375**	**2.0800e-003**	**0.0000**	**53.8894**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9435					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**0.9684**	**0.1694**	**0.2355**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 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	0.0000	0.0000	0.0000	0.0000	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	0.0339	0.0233	0.2406	5.7000e-004	0.0677	4.0000e-004	0.0681	0.0180	3.7000e-004	0.0183	0.0000	51.7927	51.7927	1.9000e-003	0.0000	51.8402
Total	**0.0339**	**0.0233**	**0.2406**	**5.7000e-004**	**0.0677**	**4.0000e-004**	**0.0681**	**0.0180**	**3.7000e-004**	**0.0183**	**0.0000**	**51.7927**	**51.7927**	**1.9000e-003**	**0.0000**	**51.8402**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9435					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	**0.9684**	**0.1694**	**0.2354**	**3.9000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**33.1923**	**33.1923**	**1.9900e-003**	**0.0000**	**33.2419**

3.6 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	0.0000	0.0000	0.0000	0.0000	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	0.0339	0.0233	0.2406	5.7000e-004	0.0677	4.0000e-004	0.0681	0.0180	3.7000e-004	0.0183	0.0000	51.7927	51.7927	1.9000e-003	0.0000	51.8402
Total	**0.0339**	**0.0233**	**0.2406**	**5.7000e-004**	**0.0677**	**4.0000e-004**	**0.0681**	**0.0180**	**3.7000e-004**	**0.0183**	**0.0000**	**51.7927**	**51.7927**	**1.9000e-003**	**0.0000**	**51.8402**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3992					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9400e-003	0.0670	0.0996	1.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	14.0429	14.0429	7.9000e-004	0.0000	14.0627
Total	**0.4091**	**0.0670**	**0.0996**	**1.6000e-004**		**3.3500e-003**	**3.3500e-003**		**3.3500e-003**	**3.3500e-003**	**0.0000**	**14.0429**	**14.0429**	**7.9000e-004**	**0.0000**	**14.0627**

3.6 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	0.0000	0.0000	0.0000	0.0000	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	0.0136	9.1400e-003	0.0962	2.4000e-004	0.0287	1.7000e-004	0.0288	7.6000e-003	1.5000e-004	7.7600e-003	0.0000	21.3106	21.3106	7.6000e-004	0.0000	21.3295
Total	**0.0136**	**9.1400e-003**	**0.0962**	**2.4000e-004**	**0.0287**	**1.7000e-004**	**0.0288**	**7.6000e-003**	**1.5000e-004**	**7.7600e-003**	**0.0000**	**21.3106**	**21.3106**	**7.6000e-004**	**0.0000**	**21.3295**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3992					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9400e-003	0.0670	0.0996	1.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	14.0429	14.0429	7.9000e-004	0.0000	14.0627
Total	**0.4091**	**0.0670**	**0.0996**	**1.6000e-004**		**3.3500e-003**	**3.3500e-003**		**3.3500e-003**	**3.3500e-003**	**0.0000**	**14.0429**	**14.0429**	**7.9000e-004**	**0.0000**	**14.0627**

3.6 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	0.0000	0.0000	0.0000	0.0000	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	0.0136	9.1400e-003	0.0962	2.4000e-004	0.0287	1.7000e-004	0.0288	7.6000e-003	1.5000e-004	7.7600e-003	0.0000	21.3106	21.3106	7.6000e-004	0.0000	21.3295
Total	**0.0136**	**9.1400e-003**	**0.0962**	**2.4000e-004**	**0.0287**	**1.7000e-004**	**0.0288**	**7.6000e-003**	**1.5000e-004**	**7.7600e-003**	**0.0000**	**21.3106**	**21.3106**	**7.6000e-004**	**0.0000**	**21.3295**

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	0.6607	5.2763	6.7689	0.0285	1.7607	0.0136	1.7744	0.4729	0.0127	0.4857	0.0000	2,650.3567	2,650.3567	0.1530	0.0000	2,654.1822
Unmitigated	0.6607	5.2763	6.7689	0.0285	1.7607	0.0136	1.7744	0.4729	0.0127	0.4857	0.0000	2,650.3567	2,650.3567	0.1530	0.0000	2,654.1822

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	2,097.41	2,046.87	1747.24	4,549,849	4,549,849
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	2,097.41	2,046.87	1,747.24	4,549,849	4,549,849

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	11.00	3.50	4.50	40.00	20.00	40.00	86	11	3
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.495479	0.035270	0.186408	0.116756	0.013751	0.005010	0.022691	0.111931	0.003082	0.001854	0.006243	0.000776	0.000749
Other Asphalt Surfaces	0.495479	0.035270	0.186408	0.116756	0.013751	0.005010	0.022691	0.111931	0.003082	0.001854	0.006243	0.000776	0.000749

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	1,174.1458	1,174.1458	0.0268	5.5400e-003	1,176.4675
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,174.1458	1,174.1458	0.0268	5.5400e-003	1,176.4675
NaturalGas Mitigated	0.0441	0.3770	0.1604	2.4100e-003		0.0305	0.0305		0.0305	0.0305	0.0000	436.5978	436.5978	8.3700e-003	8.0000e-003	439.1923
NaturalGas Unmitigated	0.0441	0.3770	0.1604	2.4100e-003		0.0305	0.0305		0.0305	0.0305	0.0000	436.5978	436.5978	8.3700e-003	8.0000e-003	439.1923

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					
Condo/Townhouse	8.18153e+006	0.0441	0.3770	0.1604	2.4100e-003		0.0305	0.0305		0.0305	0.0305	0.0000	436.5978	436.5978	8.3700e-003	8.0000e-003	439.1923
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
Total		**0.0441**	**0.3770**	**0.1604**	**2.4100e-003**		**0.0305**	**0.0305**		**0.0305**	**0.0305**	**0.0000**	**436.5978**	**436.5978**	**8.3700e-003**	**8.0000e-003**	**439.1923**

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					
Condo/Townhouse	8.18153e+006	0.0441	0.3770	0.1604	2.4100e-003		0.0305	0.0305		0.0305	0.0305	0.0000	436.5978	436.5978	8.3700e-003	8.0000e-003	439.1923
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
Total		**0.0441**	**0.3770**	**0.1604**	**2.4100e-003**		**0.0305**	**0.0305**		**0.0305**	**0.0305**	**0.0000**	**436.5978**	**436.5978**	**8.3700e-003**	**8.0000e-003**	**439.1923**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	2.03678e+006	1,174.1458	0.0268	5.5400e-003	1,176.4675
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**1,174.1458**	**0.0268**	**5.5400e-003**	**1,176.4675**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	2.03678e+006	1,174.1458	0.0268	5.5400e-003	1,176.4675
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**1,174.1458**	**0.0268**	**5.5400e-003**	**1,176.4675**

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	1.7283	0.0375	2.6822	1.8000e-004		0.0154	0.0154		0.0154	0.0154	0.0000	12.0053	12.0053	4.3500e-003	1.4000e-004	12.1557
Unmitigated	1.7283	0.0375	2.6822	1.8000e-004		0.0154	0.0154		0.0154	0.0154	0.0000	12.0053	12.0053	4.3500e-003	1.4000e-004	12.1557

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	0.2286					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.4183					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.7000e-004	6.5900e-003	2.8000e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.6268	7.6268	1.5000e-004	1.4000e-004	7.6721
Landscaping	0.0806	0.0309	2.6794	1.4000e-004		0.0149	0.0149		0.0149	0.0149	0.0000	4.3786	4.3786	4.2000e-003	0.0000	4.4836
Total	**1.7283**	**0.0375**	**2.6822**	**1.8000e-004**		**0.0154**	**0.0154**		**0.0154**	**0.0154**	**0.0000**	**12.0053**	**12.0053**	**4.3500e-003**	**1.4000e-004**	**12.1557**

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	0.2286					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.4183					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.7000e-004	6.5900e-003	2.8000e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.6268	7.6268	1.5000e-004	1.4000e-004	7.6721
Landscaping	0.0806	0.0309	2.6794	1.4000e-004		0.0149	0.0149		0.0149	0.0149	0.0000	4.3786	4.3786	4.2000e-003	0.0000	4.4836
Total	**1.7283**	**0.0375**	**2.6822**	**1.8000e-004**		**0.0154**	**0.0154**		**0.0154**	**0.0154**	**0.0000**	**12.0053**	**12.0053**	**4.3500e-003**	**1.4000e-004**	**12.1557**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	278.9814	0.7726	0.0194	304.0717
Unmitigated	278.9814	0.7726	0.0194	304.0717

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	23.5206 / 14.8282	278.9814	0.7726	0.0194	304.0717
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**278.9814**	**0.7726**	**0.0194**	**304.0717**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	23.5206 / 14.8282	278.9814	0.7726	0.0194	304.0717
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**278.9814**	**0.7726**	**0.0194**	**304.0717**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	33.7087	1.9921	0.0000	83.5118
Unmitigated	33.7087	1.9921	0.0000	83.5118

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	166.06	33.7087	1.9921	0.0000	83.5118
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**33.7087**	**1.9921**	**0.0000**	**83.5118**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	166.06	33.7087	1.9921	0.0000	83.5118
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**33.7087**	**1.9921**	**0.0000**	**83.5118**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VENTANA Alternative 2

Salton Sea Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.00	Acre	3.00	130,680.00	0
Condo/Townhouse	361.00	Dwelling Unit	42.17	361,000.00	1166

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	10			**Operational Year**	2024
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Maximum buildout potential of the site under "Suburban Neighborhood" (0-8 DU/AC)

Land Use - Assumes maximum allowed under existing "Suburban Neighborhood" designation (0-8 DU/AC)

Construction Phase - Assumes a 3 year buildout from June 2021 to June 2024.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Equipment list provided by applicant and noise engineers.

Off-road Equipment -

On-road Fugitive Dust - All roads in the project area are paved.

Grading - Assumes same material export as proposed project: 74,383 CY

Vehicle Trips - Assumes default CalEEMod trip rate for condo/townhouse.

Road Dust - All roads will be paved.

Woodstoves - Wood burning appliances are not proposed.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes adhearence to standard dust control measures (SCAQMD Rule 403.1)

VENTANA Alternative 2 - Salton Sea Air Basin, Summer

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	740.00	657.00
tblConstructionPhase	NumDays	55.00	630.00
tblGrading	AcresOfGrading	187.50	50.00
tblGrading	MaterialExported	0.00	74,383.00
tblLandUse	LotAcreage	22.56	42.17
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00

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	5.3189	72.9415	46.7159	0.1599	18.2169	2.0662	20.2623	9.9706	1.9038	11.8524	0.0000	16,291.5895	16,291.5895	2.4230	0.0000	16,352.1635
2022	12.6254	34.4253	49.5246	0.0983	3.5894	1.4862	5.0756	0.9590	1.3910	2.3500	0.0000	9,647.0929	9,647.0929	1.5754	0.0000	9,686.4779
2023	10.9948	20.7202	32.9373	0.0728	3.4639	0.7920	4.2559	0.9257	0.7491	1.6748	0.0000	7,171.9015	7,171.9015	0.8101	0.0000	7,192.1529
2024	10.7721	19.6011	32.0602	0.0719	3.4639	0.6957	4.1596	0.9257	0.6577	1.5834	0.0000	7,087.3094	7,087.3094	0.7965	0.0000	7,107.2204
Maximum	**12.6254**	**72.9415**	**49.5246**	**0.1599**	**18.2169**	**2.0662**	**20.2623**	**9.9706**	**1.9038**	**11.8524**	**0.0000**	**16,291.5895**	**16,291.5895**	**2.4230**	**0.0000**	**16,352.1635**

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	5.3189	72.9415	46.7159	0.1599	7.1964	2.0662	9.2418	3.9129	1.9038	5.7947	0.0000	16,291.5895	16,291.5895	2.4230	0.0000	16,352.1635
2022	12.6254	34.4253	49.5246	0.0983	3.5894	1.4862	5.0756	0.9590	1.3910	2.3500	0.0000	9,647.0929	9,647.0929	1.5754	0.0000	9,686.4779
2023	10.9948	20.7202	32.9373	0.0728	3.4639	0.7920	4.2559	0.9257	0.7491	1.6748	0.0000	7,171.9015	7,171.9015	0.8101	0.0000	7,192.1529
2024	10.7721	19.6011	32.0602	0.0719	3.4639	0.6957	4.1596	0.9257	0.6577	1.5834	0.0000	7,087.3094	7,087.3094	0.7965	0.0000	7,107.2204
Maximum	**12.6254**	**72.9415**	**49.5246**	**0.1599**	**7.1964**	**2.0662**	**9.2418**	**3.9129**	**1.9038**	**5.7947**	**0.0000**	**16,291.5895**	**16,291.5895**	**2.4230**	**0.0000**	**16,352.1635**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**38.35**	**0.00**	**32.65**	**47.40**	**0.00**	**34.69**	**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	10.2780	3.4061	31.0742	0.0211		0.4127	0.4127		0.4127	0.4127	0.0000	3,963.8951	3,963.8951	0.1264	0.0717	3,988.4183
Energy	0.2417	2.0657	0.8790	0.0132		0.1670	0.1670		0.1670	0.1670		2,637.0780	2,637.0780	0.0505	0.0484	2,652.7488
Mobile	4.6425	29.8495	45.0390	0.1705	10.0621	0.0768	10.1389	2.6999	0.0717	2.7716		17,483.3693	17,483.3693	0.9613		17,507.4009
Total	**15.1622**	**35.3213**	**76.9922**	**0.2048**	**10.0621**	**0.6564**	**10.7185**	**2.6999**	**0.6514**	**3.3513**	**0.0000**	**24,084.3424**	**24,084.3424**	**1.1382**	**0.1200**	**24,148.5680**

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	10.2780	3.4061	31.0742	0.0211		0.4127	0.4127		0.4127	0.4127	0.0000	3,963.8951	3,963.8951	0.1264	0.0717	3,988.4183
Energy	0.2417	2.0657	0.8790	0.0132		0.1670	0.1670		0.1670	0.1670		2,637.0780	2,637.0780	0.0505	0.0484	2,652.7488
Mobile	4.6425	29.8495	45.0390	0.1705	10.0621	0.0768	10.1389	2.6999	0.0717	2.7716		17,483.3693	17,483.3693	0.9613		17,507.4009
Total	**15.1622**	**35.3213**	**76.9922**	**0.2048**	**10.0621**	**0.6564**	**10.7185**	**2.6999**	**0.6514**	**3.3513**	**0.0000**	**24,084.3424**	**24,084.3424**	**1.1382**	**0.1200**	**24,148.5680**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2021	7/12/2021	5	30	
2	Grading	Grading	7/13/2021	10/25/2021	5	75	
3	Building Construction	Building Construction	10/26/2021	5/1/2024	5	657	
4	Paving	Paving	11/1/2021	1/14/2022	5	55	
5	Architectural Coating	Architectural Coating	1/1/2022	6/1/2024	5	630	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 3

Residential Indoor: 731,025; Residential Outdoor: 243,675; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

VENTANA Alternative 2 - Salton Sea Air Basin, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Grading	8	20.00	0.00	9,298.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	315.00	60.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	63.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

3.2 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**

3.2 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	0.0000	0.0000	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	0.1012	0.0609	0.7797	1.5100e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		149.7216	149.7216	6.4100e-003		149.8818
Total	**0.1012**	**0.0609**	**0.7797**	**1.5100e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**149.7216**	**149.7216**	**6.4100e-003**		**149.8818**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	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**	**7.0458**	**2.0445**	**9.0903**	**3.8730**	**1.8809**	**5.7539**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 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	0.0000	0.0000	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	0.1012	0.0609	0.7797	1.5100e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		149.7216	149.7216	6.4100e-003		149.8818
Total	**0.1012**	**0.0609**	**0.7797**	**1.5100e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**149.7216**	**149.7216**	**6.4100e-003**		**149.8818**

3.3 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					6.9266	0.0000	6.9266	3.4165	0.0000	3.4165			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.9266**	**1.9853**	**8.9119**	**3.4165**	**1.8265**	**5.2430**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6245	26.4741	3.4610	0.0963	2.1730	0.0798	2.2529	0.5961	0.0764	0.6725		10,118.1888	10,118.1888	0.4730		10,130.0148
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1124	0.0676	0.8663	1.6700e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		166.3573	166.3573	7.1200e-003		166.5353
Total	**0.7369**	**26.5417**	**4.3273**	**0.0979**	**2.3404**	**0.0809**	**2.4212**	**0.6405**	**0.0773**	**0.7178**		**10,284.5461**	**10,284.5461**	**0.4802**		**10,296.5501**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7014	0.0000	2.7014	1.3324	0.0000	1.3324			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**2.7014**	**1.9853**	**4.6867**	**1.3324**	**1.8265**	**3.1589**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6245	26.4741	3.4610	0.0963	2.1730	0.0798	2.2529	0.5961	0.0764	0.6725		10,118.1888	10,118.1888	0.4730		10,130.0148
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1124	0.0676	0.8663	1.6700e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		166.3573	166.3573	7.1200e-003		166.5353
Total	**0.7369**	**26.5417**	**4.3273**	**0.0979**	**2.3404**	**0.0809**	**2.4212**	**0.6405**	**0.0773**	**0.7178**		**10,284.5461**	**10,284.5461**	**0.4802**		**10,296.5501**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1647	5.3444	1.1930	0.0140	0.3013	9.4900e-003	0.3108	0.0868	9.0700e-003	0.0959		1,466.6996	1,466.6996	0.1122		1,469.5036
Worker	1.7705	1.0652	13.6447	0.0264	2.6355	0.0162	2.6518	0.6991	0.0150	0.7140		2,620.1276	2,620.1276	0.1121		2,622.9308
Total	**1.9352**	**6.4097**	**14.8377**	**0.0404**	**2.9368**	**0.0257**	**2.9626**	**0.7859**	**0.0240**	**0.8099**		**4,086.8272**	**4,086.8272**	**0.2243**		**4,092.4343**

Mitigated Construction On-Site

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

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1647	5.3444	1.1930	0.0140	0.3013	9.4900e-003	0.3108	0.0868	9.0700e-003	0.0959		1,466.6996	1,466.6996	0.1122		1,469.5036
Worker	1.7705	1.0652	13.6447	0.0264	2.6355	0.0162	2.6518	0.6991	0.0150	0.7140		2,620.1276	2,620.1276	0.1121		2,622.9308
Total	**1.9352**	**6.4097**	**14.8377**	**0.0404**	**2.9368**	**0.0257**	**2.9626**	**0.7859**	**0.0240**	**0.8099**		**4,086.8272**	**4,086.8272**	**0.2243**		**4,092.4343**

3.4 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**

3.4 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	0.1529	5.0652	1.0973	0.0139	0.3013	7.9400e-003	0.3093	0.0868	7.5900e-003	0.0944		1,454.5689	1,454.5689	0.1041		1,457.1708
Worker	1.6499	0.9708	12.5598	0.0254	2.6355	0.0157	2.6512	0.6991	0.0145	0.7135		2,524.0734	2,524.0734	0.1018		2,526.6194
Total	**1.8028**	**6.0359**	**13.6571**	**0.0393**	**2.9368**	**0.0237**	**2.9605**	**0.7859**	**0.0221**	**0.8079**		**3,978.6423**	**3,978.6423**	**0.2059**		**3,983.7901**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.1529	5.0652	1.0973	0.0139	0.3013	7.9400e-003	0.3093	0.0868	7.5900e-003	0.0944		1,454.5689	1,454.5689	0.1041		1,457.1708
Worker	1.6499	0.9708	12.5598	0.0254	2.6355	0.0157	2.6512	0.6991	0.0145	0.7135		2,524.0734	2,524.0734	0.1018		2,526.6194
Total	**1.8028**	**6.0359**	**13.6571**	**0.0393**	**2.9368**	**0.0237**	**2.9605**	**0.7859**	**0.0221**	**0.8079**		**3,978.6423**	**3,978.6423**	**0.2059**		**3,983.7901**

3.4 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**

3.4 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	0.1209	3.9661	0.9657	0.0136	0.3013	3.1600e-003	0.3045	0.0868	3.0200e-003	0.0898		1,421.5646	1,421.5646	0.0741		1,423.4166
Worker	1.5433	0.8885	11.5970	0.0244	2.6355	0.0153	2.6508	0.6991	0.0141	0.7131		2,428.0658	2,428.0658	0.0927		2,430.3843
Total	**1.6642**	**4.8546**	**12.5628**	**0.0380**	**2.9368**	**0.0184**	**2.9552**	**0.7859**	**0.0171**	**0.8029**		**3,849.6304**	**3,849.6304**	**0.1668**		**3,853.8009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.1209	3.9661	0.9657	0.0136	0.3013	3.1600e-003	0.3045	0.0868	3.0200e-003	0.0898		1,421.5646	1,421.5646	0.0741		1,423.4166
Worker	1.5433	0.8885	11.5970	0.0244	2.6355	0.0153	2.6508	0.6991	0.0141	0.7131		2,428.0658	2,428.0658	0.0927		2,430.3843
Total	**1.6642**	**4.8546**	**12.5628**	**0.0380**	**2.9368**	**0.0184**	**2.9552**	**0.7859**	**0.0171**	**0.8029**		**3,849.6304**	**3,849.6304**	**0.1668**		**3,853.8009**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.4 Building Construction - 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	0.1176	3.9505	0.9202	0.0135	0.3013	3.1400e-003	0.3044	0.0868	3.0000e-003	0.0898		1,416.4192	1,416.4192	0.0717		1,418.2110
Worker	1.4538	0.8233	10.9693	0.0238	2.6355	0.0153	2.6508	0.6991	0.0141	0.7131		2,361.4527	2,361.4527	0.0872		2,363.6313
Total	**1.5714**	**4.7738**	**11.8894**	**0.0373**	**2.9368**	**0.0184**	**2.9552**	**0.7859**	**0.0171**	**0.8029**		**3,777.8719**	**3,777.8719**	**0.1588**		**3,781.8423**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.4 Building Construction - 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	0.1176	3.9505	0.9202	0.0135	0.3013	3.1400e-003	0.3044	0.0868	3.0000e-003	0.0898		1,416.4192	1,416.4192	0.0717		1,418.2110
Worker	1.4538	0.8233	10.9693	0.0238	2.6355	0.0153	2.6508	0.6991	0.0141	0.7131		2,361.4527	2,361.4527	0.0872		2,363.6313
Total	**1.5714**	**4.7738**	**11.8894**	**0.0373**	**2.9368**	**0.0184**	**2.9552**	**0.7859**	**0.0171**	**0.8029**		**3,777.8719**	**3,777.8719**	**0.1588**		**3,781.8423**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0507	0.6498	1.2600e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		124.7680	124.7680	5.3400e-003		124.9015
Total	**0.0843**	**0.0507**	**0.6498**	**1.2600e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**124.7680**	**124.7680**	**5.3400e-003**		**124.9015**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0507	0.6498	1.2600e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		124.7680	124.7680	5.3400e-003		124.9015
Total	**0.0843**	**0.0507**	**0.6498**	**1.2600e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**124.7680**	**124.7680**	**5.3400e-003**		**124.9015**

3.5 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	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	0.0786	0.0462	0.5981	1.2100e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		120.1940	120.1940	4.8500e-003		120.3152
Total	**0.0786**	**0.0462**	**0.5981**	**1.2100e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**120.1940**	**120.1940**	**4.8500e-003**		**120.3152**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	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	0.0786	0.0462	0.5981	1.2100e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		120.1940	120.1940	4.8500e-003		120.3152
Total	**0.0786**	**0.0462**	**0.5981**	**1.2100e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**120.1940**	**120.1940**	**4.8500e-003**		**120.3152**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.2575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**7.4621**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.3300	0.1942	2.5120	5.0800e-003	0.5271	3.1400e-003	0.5302	0.1398	2.8900e-003	0.1427		504.8147	504.8147	0.0204		505.3239
Total	**0.3300**	**0.1942**	**2.5120**	**5.0800e-003**	**0.5271**	**3.1400e-003**	**0.5302**	**0.1398**	**2.8900e-003**	**0.1427**		**504.8147**	**504.8147**	**0.0204**		**505.3239**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.2575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**7.4621**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.3300	0.1942	2.5120	5.0800e-003	0.5271	3.1400e-003	0.5302	0.1398	2.8900e-003	0.1427		504.8147	504.8147	0.0204		505.3239
Total	**0.3300**	**0.1942**	**2.5120**	**5.0800e-003**	**0.5271**	**3.1400e-003**	**0.5302**	**0.1398**	**2.8900e-003**	**0.1427**		**504.8147**	**504.8147**	**0.0204**		**505.3239**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.2575					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	**7.4492**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 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	0.0000	0.0000	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	0.3087	0.1777	2.3194	4.8900e-003	0.5271	3.0500e-003	0.5302	0.1398	2.8100e-003	0.1426		485.6132	485.6132	0.0186		486.0769
Total	**0.3087**	**0.1777**	**2.3194**	**4.8900e-003**	**0.5271**	**3.0500e-003**	**0.5302**	**0.1398**	**2.8100e-003**	**0.1426**		**485.6132**	**485.6132**	**0.0186**		**486.0769**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.2575					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	**7.4492**	**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**

3.6 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	0.0000	0.0000	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	0.3087	0.1777	2.3194	4.8900e-003	0.5271	3.0500e-003	0.5302	0.1398	2.8100e-003	0.1426		485.6132	485.6132	0.0186		486.0769
Total	**0.3087**	**0.1777**	**2.3194**	**4.8900e-003**	**0.5271**	**3.0500e-003**	**0.5302**	**0.1398**	**2.8100e-003**	**0.1426**		**485.6132**	**485.6132**	**0.0186**		**486.0769**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.2575					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	**7.4383**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.6 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	0.0000	0.0000	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	0.2908	0.1647	2.1939	4.7500e-003	0.5271	3.0500e-003	0.5302	0.1398	2.8100e-003	0.1426		472.2905	472.2905	0.0174		472.7263
Total	**0.2908**	**0.1647**	**2.1939**	**4.7500e-003**	**0.5271**	**3.0500e-003**	**0.5302**	**0.1398**	**2.8100e-003**	**0.1426**		**472.2905**	**472.2905**	**0.0174**		**472.7263**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.2575					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	**7.4383**	**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**

3.6 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	0.0000	0.0000	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	0.2908	0.1647	2.1939	4.7500e-003	0.5271	3.0500e-003	0.5302	0.1398	2.8100e-003	0.1426		472.2905	472.2905	0.0174		472.7263
Total	**0.2908**	**0.1647**	**2.1939**	**4.7500e-003**	**0.5271**	**3.0500e-003**	**0.5302**	**0.1398**	**2.8100e-003**	**0.1426**		**472.2905**	**472.2905**	**0.0174**		**472.7263**

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	4.6425	29.8495	45.0390	0.1705	10.0621	0.0768	10.1389	2.6999	0.0717	2.7716		17,483.3693	17,483.3693	0.9613		17,507.4009
Unmitigated	4.6425	29.8495	45.0390	0.1705	10.0621	0.0768	10.1389	2.6999	0.0717	2.7716		17,483.3693	17,483.3693	0.9613		17,507.4009

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	2,097.41	2,046.87	1747.24	4,549,849	4,549,849
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	2,097.41	2,046.87	1,747.24	4,549,849	4,549,849

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	11.00	3.50	4.50	40.00	20.00	40.00	86	11	3
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.495479	0.035270	0.186408	0.116756	0.013751	0.005010	0.022691	0.111931	0.003082	0.001854	0.006243	0.000776	0.000749
Other Asphalt Surfaces	0.495479	0.035270	0.186408	0.116756	0.013751	0.005010	0.022691	0.111931	0.003082	0.001854	0.006243	0.000776	0.000749

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	0.2417	2.0657	0.8790	0.0132		0.1670	0.1670		0.1670	0.1670		2,637.0780	2,637.0780	0.0505	0.0484	2,652.7488
NaturalGas Unmitigated	0.2417	2.0657	0.8790	0.0132		0.1670	0.1670		0.1670	0.1670		2,637.0780	2,637.0780	0.0505	0.0484	2,652.7488

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					
Condo/Townhouse	22415.2	0.2417	2.0657	0.8790	0.0132		0.1670	0.1670		0.1670	0.1670		2,637.0780	2,637.0780	0.0505	0.0484	2,652.7488
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
Total		**0.2417**	**2.0657**	**0.8790**	**0.0132**		**0.1670**	**0.1670**		**0.1670**	**0.1670**		**2,637.0780**	**2,637.0780**	**0.0505**	**0.0484**	**2,652.7488**

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					
Condo/Townhouse	22.4152	0.2417	2.0657	0.8790	0.0132		0.1670	0.1670		0.1670	0.1670		2,637.0780	2,637.0780	0.0505	0.0484	2,652.7488
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
Total		**0.2417**	**2.0657**	**0.8790**	**0.0132**		**0.1670**	**0.1670**		**0.1670**	**0.1670**		**2,637.0780**	**2,637.0780**	**0.0505**	**0.0484**	**2,652.7488**

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	10.2780	3.4061	31.0742	0.0211		0.4127	0.4127		0.4127	0.4127	0.0000	3,963.8951	3,963.8951	0.1264	0.0717	3,988.4183
Unmitigated	10.2780	3.4061	31.0742	0.0211		0.4127	0.4127		0.4127	0.4127	0.0000	3,963.8951	3,963.8951	0.1264	0.0717	3,988.4183

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	1.2527					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.7717					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3584	3.0630	1.3034	0.0196		0.2477	0.2477		0.2477	0.2477	0.0000	3,910.2671	3,910.2671	0.0750	0.0717	3,933.5038
Landscaping	0.8952	0.3430	29.7707	1.5700e-003		0.1650	0.1650		0.1650	0.1650		53.6280	53.6280	0.0515		54.9145
Total	**10.2780**	**3.4061**	**31.0742**	**0.0211**		**0.4127**	**0.4127**		**0.4127**	**0.4127**	**0.0000**	**3,963.8951**	**3,963.8951**	**0.1264**	**0.0717**	**3,988.4183**

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	1.2527					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.7717					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3584	3.0630	1.3034	0.0196		0.2477	0.2477		0.2477	0.2477	0.0000	3,910.2671	3,910.2671	0.0750	0.0717	3,933.5038
Landscaping	0.8952	0.3430	29.7707	1.5700e-003		0.1650	0.1650		0.1650	0.1650		53.6280	53.6280	0.0515		54.9145
Total	**10.2780**	**3.4061**	**31.0742**	**0.0211**		**0.4127**	**0.4127**		**0.4127**	**0.4127**	**0.0000**	**3,963.8951**	**3,963.8951**	**0.1264**	**0.0717**	**3,988.4183**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

VENTANA Alternative 2

Salton Sea Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.00	Acre	3.00	130,680.00	0
Condo/Townhouse	361.00	Dwelling Unit	42.17	361,000.00	1166

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.4	**Precipitation Freq (Days)**	20
Climate Zone	10			**Operational Year**	2024
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	1270.9	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Maximum buildout potential of the site under "Suburban Neighborhood" (0-8 DU/AC)

Land Use - Assumes maximum allowed under existing "Suburban Neighborhood" designation (0-8 DU/AC)

Construction Phase - Assumes a 3 year buildout from June 2021 to June 2024.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Equipment list provided by applicant and noise engineers.

Off-road Equipment -

On-road Fugitive Dust - All roads in the project area are paved.

Grading - Assumes same material export as proposed project: 74,383 CY

Vehicle Trips - Assumes default CalEEMod trip rate for condo/townhouse.

Road Dust - All roads will be paved.

Woodstoves - Wood burning appliances are not proposed.

Energy Use -

Construction Off-road Equipment Mitigation - Assumes adhearence to standard dust control measures (SCAQMD Rule 403.1)

VENTANA Alternative 2 - Salton Sea Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	740.00	657.00
tblConstructionPhase	NumDays	55.00	630.00
tblGrading	AcresOfGrading	187.50	50.00
tblGrading	MaterialExported	0.00	74,383.00
tblLandUse	LotAcreage	22.56	42.17
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	HO_TTP	40.60	40.00
tblVehicleTrips	HS_TTP	19.20	20.00
tblVehicleTrips	HW_TTP	40.20	40.00

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	5.0076	73.3820	42.8613	0.1568	18.2169	2.0678	20.2623	9.9706	1.9054	11.8524	0.0000	15,965.0759	15,965.0759	2.4777	0.0000	16,027.0180
2022	12.2871	34.4078	45.2366	0.0925	3.5894	1.4866	5.0760	0.9590	1.3914	2.3504	0.0000	9,070.5486	9,070.5486	1.5625	0.0000	9,109.6111
2023	10.6960	20.6929	29.0781	0.0674	3.4639	0.7921	4.2561	0.9257	0.7492	1.6749	0.0000	6,635.4079	6,635.4079	0.7966	0.0000	6,655.3222
2024	10.4976	19.5704	28.3833	0.0667	3.4639	0.6958	4.1597	0.9257	0.6578	1.5835	0.0000	6,564.4386	6,564.4386	0.7842	0.0000	6,584.0435
Maximum	**12.2871**	**73.3820**	**45.2366**	**0.1568**	**18.2169**	**2.0678**	**20.2623**	**9.9706**	**1.9054**	**11.8524**	**0.0000**	**15,965.0759**	**15,965.0759**	**2.4777**	**0.0000**	**16,027.0180**

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	5.0076	73.3820	42.8613	0.1568	7.1964	2.0678	9.2418	3.9129	1.9054	5.7947	0.0000	15,965.0759	15,965.0759	2.4777	0.0000	16,027.0180
2022	12.2871	34.4078	45.2366	0.0925	3.5894	1.4866	5.0760	0.9590	1.3914	2.3504	0.0000	9,070.5486	9,070.5486	1.5625	0.0000	9,109.6111
2023	10.6960	20.6929	29.0781	0.0674	3.4639	0.7921	4.2561	0.9257	0.7492	1.6749	0.0000	6,635.4079	6,635.4079	0.7966	0.0000	6,655.3222
2024	10.4976	19.5704	28.3833	0.0667	3.4639	0.6958	4.1597	0.9257	0.6578	1.5835	0.0000	6,564.4386	6,564.4386	0.7842	0.0000	6,584.0435
Maximum	**12.2871**	**73.3820**	**45.2366**	**0.1568**	**7.1964**	**2.0678**	**9.2418**	**3.9129**	**1.9054**	**5.7947**	**0.0000**	**15,965.0759**	**15,965.0759**	**2.4777**	**0.0000**	**16,027.0180**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**38.35**	**0.00**	**32.65**	**47.40**	**0.00**	**34.69**	**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	10.2780	3.4061	31.0742	0.0211		0.4127	0.4127		0.4127	0.4127	0.0000	3,963.8951	3,963.8951	0.1264	0.0717	3,988.4183
Energy	0.2417	2.0657	0.8790	0.0132		0.1670	0.1670		0.1670	0.1670		2,637.0780	2,637.0780	0.0505	0.0484	2,652.7488
Mobile	3.3475	29.5049	36.5004	0.1530	10.0621	0.0776	10.1397	2.6999	0.0725	2.7724		15,716.5506	15,716.5506	0.9783		15,741.0075
Total	**13.8672**	**34.9766**	**68.4536**	**0.1873**	**10.0621**	**0.6573**	**10.7194**	**2.6999**	**0.6522**	**3.3521**	**0.0000**	**22,317.5237**	**22,317.5237**	**1.1552**	**0.1200**	**22,382.1746**

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	10.2780	3.4061	31.0742	0.0211		0.4127	0.4127		0.4127	0.4127	0.0000	3,963.8951	3,963.8951	0.1264	0.0717	3,988.4183
Energy	0.2417	2.0657	0.8790	0.0132		0.1670	0.1670		0.1670	0.1670		2,637.0780	2,637.0780	0.0505	0.0484	2,652.7488
Mobile	3.3475	29.5049	36.5004	0.1530	10.0621	0.0776	10.1397	2.6999	0.0725	2.7724		15,716.5506	15,716.5506	0.9783		15,741.0075
Total	**13.8672**	**34.9766**	**68.4536**	**0.1873**	**10.0621**	**0.6573**	**10.7194**	**2.6999**	**0.6522**	**3.3521**	**0.0000**	**22,317.5237**	**22,317.5237**	**1.1552**	**0.1200**	**22,382.1746**

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2021	7/12/2021	5	30	
2	Grading	Grading	7/13/2021	10/25/2021	5	75	
3	Building Construction	Building Construction	10/26/2021	5/1/2024	5	657	
4	Paving	Paving	11/1/2021	1/14/2022	5	55	
5	Architectural Coating	Architectural Coating	1/1/2022	6/1/2024	5	630	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 3

Residential Indoor: 731,025; Residential Outdoor: 243,675; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

VENTANA Alternative 2 - Salton Sea Air Basin, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Grading	8	20.00	0.00	9,298.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	315.00	60.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	63.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Soil Stabilizer

Water Exposed Area

3.2 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**

3.2 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	0.0000	0.0000	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	0.0837	0.0627	0.5565	1.2600e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		125.8036	125.8036	5.0700e-003		125.9304
Total	**0.0837**	**0.0627**	**0.5565**	**1.2600e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**125.8036**	**125.8036**	**5.0700e-003**		**125.9304**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	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**	**7.0458**	**2.0445**	**9.0903**	**3.8730**	**1.8809**	**5.7539**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.2 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	0.0000	0.0000	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	0.0837	0.0627	0.5565	1.2600e-003	0.1506	9.3000e-004	0.1515	0.0400	8.5000e-004	0.0408		125.8036	125.8036	5.0700e-003		125.9304
Total	**0.0837**	**0.0627**	**0.5565**	**1.2600e-003**	**0.1506**	**9.3000e-004**	**0.1515**	**0.0400**	**8.5000e-004**	**0.0408**		**125.8036**	**125.8036**	**5.0700e-003**		**125.9304**

3.3 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					6.9266	0.0000	6.9266	3.4165	0.0000	3.4165			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.9266**	**1.9853**	**8.9119**	**3.4165**	**1.8265**	**5.2430**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6624	26.9125	4.1611	0.0934	2.1730	0.0815	2.2545	0.5961	0.0779	0.6740		9,818.2507	9,818.2507	0.5293		9,831.4819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0930	0.0696	0.6183	1.4100e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		139.7818	139.7818	5.6400e-003		139.9227
Total	**0.7554**	**26.9821**	**4.7794**	**0.0948**	**2.3404**	**0.0825**	**2.4229**	**0.6405**	**0.0789**	**0.7193**		**9,958.0324**	**9,958.0324**	**0.5349**		**9,971.4046**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7014	0.0000	2.7014	1.3324	0.0000	1.3324			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**2.7014**	**1.9853**	**4.6867**	**1.3324**	**1.8265**	**3.1589**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.3 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	0.6624	26.9125	4.1611	0.0934	2.1730	0.0815	2.2545	0.5961	0.0779	0.6740		9,818.2507	9,818.2507	0.5293		9,831.4819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0930	0.0696	0.6183	1.4100e-003	0.1673	1.0300e-003	0.1684	0.0444	9.5000e-004	0.0453		139.7818	139.7818	5.6400e-003		139.9227
Total	**0.7554**	**26.9821**	**4.7794**	**0.0948**	**2.3404**	**0.0825**	**2.4229**	**0.6405**	**0.0789**	**0.7193**		**9,958.0324**	**9,958.0324**	**0.5349**		**9,971.4046**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

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

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1741	5.3003	1.4303	0.0133	0.3013	9.9500e-003	0.3113	0.0868	9.5100e-003	0.0963		1,392.8233	1,392.8233	0.1262		1,395.9785
Worker	1.4644	1.0968	9.7389	0.0221	2.6355	0.0162	2.6518	0.6991	0.0150	0.7140		2,201.5628	2,201.5628	0.0888		2,203.7821
Total	**1.6385**	**6.3972**	**11.1691**	**0.0355**	**2.9368**	**0.0262**	**2.9630**	**0.7859**	**0.0245**	**0.8103**		**3,594.3861**	**3,594.3861**	**0.2150**		**3,599.7606**

Mitigated Construction On-Site

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

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1741	5.3003	1.4303	0.0133	0.3013	9.9500e-003	0.3113	0.0868	9.5100e-003	0.0963		1,392.8233	1,392.8233	0.1262		1,395.9785
Worker	1.4644	1.0968	9.7389	0.0221	2.6355	0.0162	2.6518	0.6991	0.0150	0.7140		2,201.5628	2,201.5628	0.0888		2,203.7821
Total	**1.6385**	**6.3972**	**11.1691**	**0.0355**	**2.9368**	**0.0262**	**2.9630**	**0.7859**	**0.0245**	**0.8103**		**3,594.3861**	**3,594.3861**	**0.2150**		**3,599.7606**

3.4 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**

3.4 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	0.1619	5.0131	1.3224	0.0132	0.3013	8.3700e-003	0.3097	0.0868	8.0000e-003	0.0948		1,380.8219	1,380.8219	0.1173		1,383.7551
Worker	1.3715	0.9985	8.9424	0.0213	2.6355	0.0157	2.6512	0.6991	0.0145	0.7135		2,121.0679	2,121.0679	0.0809		2,123.0898
Total	**1.5334**	**6.0116**	**10.2649**	**0.0345**	**2.9368**	**0.0241**	**2.9609**	**0.7859**	**0.0225**	**0.8083**		**3,501.8898**	**3,501.8898**	**0.1982**		**3,506.8449**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.1619	5.0131	1.3224	0.0132	0.3013	8.3700e-003	0.3097	0.0868	8.0000e-003	0.0948		1,380.8219	1,380.8219	0.1173		1,383.7551
Worker	1.3715	0.9985	8.9424	0.0213	2.6355	0.0157	2.6512	0.6991	0.0145	0.7135		2,121.0679	2,121.0679	0.0809		2,123.0898
Total	**1.5334**	**6.0116**	**10.2649**	**0.0345**	**2.9368**	**0.0241**	**2.9609**	**0.7859**	**0.0225**	**0.8083**		**3,501.8898**	**3,501.8898**	**0.1982**		**3,506.8449**

3.4 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**

3.4 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	0.1273	3.9096	1.1358	0.0129	0.3013	3.2800e-003	0.3046	0.0868	3.1300e-003	0.0899		1,350.0104	1,350.0104	0.0832		1,352.0904
Worker	1.2889	0.9128	8.2393	0.0205	2.6355	0.0153	2.6508	0.6991	0.0141	0.7131		2,040.6162	2,040.6162	0.0739		2,042.4639
Total	**1.4162**	**4.8225**	**9.3751**	**0.0334**	**2.9368**	**0.0185**	**2.9554**	**0.7859**	**0.0172**	**0.8030**		**3,390.6266**	**3,390.6266**	**0.1571**		**3,394.5543**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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**

3.4 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	0.1273	3.9096	1.1358	0.0129	0.3013	3.2800e-003	0.3046	0.0868	3.1300e-003	0.0899		1,350.0104	1,350.0104	0.0832		1,352.0904
Worker	1.2889	0.9128	8.2393	0.0205	2.6355	0.0153	2.6508	0.6991	0.0141	0.7131		2,040.6162	2,040.6162	0.0739		2,042.4639
Total	**1.4162**	**4.8225**	**9.3751**	**0.0334**	**2.9368**	**0.0185**	**2.9554**	**0.7859**	**0.0172**	**0.8030**		**3,390.6266**	**3,390.6266**	**0.1571**		**3,394.5543**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.4 Building Construction - 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	0.1240	3.8938	1.0860	0.0129	0.3013	3.2500e-003	0.3045	0.0868	3.1000e-003	0.0899		1,345.7728	1,345.7728	0.0805		1,347.7859
Worker	1.2198	0.8450	7.7669	0.0199	2.6355	0.0153	2.6508	0.6991	0.0141	0.7131		1,984.5991	1,984.5991	0.0696		1,986.3381
Total	**1.3438**	**4.7388**	**8.8529**	**0.0328**	**2.9368**	**0.0185**	**2.9553**	**0.7859**	**0.0172**	**0.8030**		**3,330.3718**	**3,330.3718**	**0.1501**		**3,334.1240**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.4 Building Construction - 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	0.1240	3.8938	1.0860	0.0129	0.3013	3.2500e-003	0.3045	0.0868	3.1000e-003	0.0899		1,345.7728	1,345.7728	0.0805		1,347.7859
Worker	1.2198	0.8450	7.7669	0.0199	2.6355	0.0153	2.6508	0.6991	0.0141	0.7131		1,984.5991	1,984.5991	0.0696		1,986.3381
Total	**1.3438**	**4.7388**	**8.8529**	**0.0328**	**2.9368**	**0.0185**	**2.9553**	**0.7859**	**0.0172**	**0.8030**		**3,330.3718**	**3,330.3718**	**0.1501**		**3,334.1240**

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0522	0.4638	1.0500e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		104.8363	104.8363	4.2300e-003		104.9420
Total	**0.0697**	**0.0522**	**0.4638**	**1.0500e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**104.8363**	**104.8363**	**4.2300e-003**		**104.9420**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3985**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0522	0.4638	1.0500e-003	0.1255	7.7000e-004	0.1263	0.0333	7.1000e-004	0.0340		104.8363	104.8363	4.2300e-003		104.9420
Total	**0.0697**	**0.0522**	**0.4638**	**1.0500e-003**	**0.1255**	**7.7000e-004**	**0.1263**	**0.0333**	**7.1000e-004**	**0.0340**		**104.8363**	**104.8363**	**4.2300e-003**		**104.9420**

3.5 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0653	0.0476	0.4258	1.0200e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		101.0032	101.0032	3.8500e-003		101.0995
Total	**0.0653**	**0.0476**	**0.4258**	**1.0200e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**101.0032**	**101.0032**	**3.8500e-003**		**101.0995**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1429					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2457**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0653	0.0476	0.4258	1.0200e-003	0.1255	7.5000e-004	0.1263	0.0333	6.9000e-004	0.0340		101.0032	101.0032	3.8500e-003		101.0995
Total	**0.0653**	**0.0476**	**0.4258**	**1.0200e-003**	**0.1255**	**7.5000e-004**	**0.1263**	**0.0333**	**6.9000e-004**	**0.0340**		**101.0032**	**101.0032**	**3.8500e-003**		**101.0995**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.2575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**7.4621**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.2743	0.1997	1.7885	4.2600e-003	0.5271	3.1400e-003	0.5302	0.1398	2.8900e-003	0.1427		424.2136	424.2136	0.0162		424.6180
Total	**0.2743**	**0.1997**	**1.7885**	**4.2600e-003**	**0.5271**	**3.1400e-003**	**0.5302**	**0.1398**	**2.8900e-003**	**0.1427**		**424.2136**	**424.2136**	**0.0162**		**424.6180**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.2575					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**7.4621**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.6 Architectural Coating - 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	0.0000	0.0000	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	0.2743	0.1997	1.7885	4.2600e-003	0.5271	3.1400e-003	0.5302	0.1398	2.8900e-003	0.1427		424.2136	424.2136	0.0162		424.6180
Total	**0.2743**	**0.1997**	**1.7885**	**4.2600e-003**	**0.5271**	**3.1400e-003**	**0.5302**	**0.1398**	**2.8900e-003**	**0.1427**		**424.2136**	**424.2136**	**0.0162**		**424.6180**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.2575					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	**7.4492**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

3.6 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	0.0000	0.0000	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	0.2578	0.1826	1.6479	4.1000e-003	0.5271	3.0500e-003	0.5302	0.1398	2.8100e-003	0.1426		408.1232	408.1232	0.0148		408.4928
Total	**0.2578**	**0.1826**	**1.6479**	**4.1000e-003**	**0.5271**	**3.0500e-003**	**0.5302**	**0.1398**	**2.8100e-003**	**0.1426**		**408.1232**	**408.1232**	**0.0148**		**408.4928**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.2575					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	**7.4492**	**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**

3.6 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	0.0000	0.0000	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	0.2578	0.1826	1.6479	4.1000e-003	0.5271	3.0500e-003	0.5302	0.1398	2.8100e-003	0.1426		408.1232	408.1232	0.0148		408.4928
Total	**0.2578**	**0.1826**	**1.6479**	**4.1000e-003**	**0.5271**	**3.0500e-003**	**0.5302**	**0.1398**	**2.8100e-003**	**0.1426**		**408.1232**	**408.1232**	**0.0148**		**408.4928**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.2575					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	**7.4383**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.6 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	0.0000	0.0000	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	0.2440	0.1690	1.5534	3.9900e-003	0.5271	3.0500e-003	0.5302	0.1398	2.8100e-003	0.1426		396.9198	396.9198	0.0139		397.2676
Total	**0.2440**	**0.1690**	**1.5534**	**3.9900e-003**	**0.5271**	**3.0500e-003**	**0.5302**	**0.1398**	**2.8100e-003**	**0.1426**		**396.9198**	**396.9198**	**0.0139**		**397.2676**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.2575					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	**7.4383**	**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**

3.6 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	0.0000	0.0000	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	0.2440	0.1690	1.5534	3.9900e-003	0.5271	3.0500e-003	0.5302	0.1398	2.8100e-003	0.1426		396.9198	396.9198	0.0139		397.2676
Total	**0.2440**	**0.1690**	**1.5534**	**3.9900e-003**	**0.5271**	**3.0500e-003**	**0.5302**	**0.1398**	**2.8100e-003**	**0.1426**		**396.9198**	**396.9198**	**0.0139**		**397.2676**

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	3.3475	29.5049	36.5004	0.1530	10.0621	0.0776	10.1397	2.6999	0.0725	2.7724		15,716.5506	15,716.5506	0.9783		15,741.0075
Unmitigated	3.3475	29.5049	36.5004	0.1530	10.0621	0.0776	10.1397	2.6999	0.0725	2.7724		15,716.5506	15,716.5506	0.9783		15,741.0075

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	2,097.41	2,046.87	1747.24	4,549,849	4,549,849
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	2,097.41	2,046.87	1,747.24	4,549,849	4,549,849

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	11.00	3.50	4.50	40.00	20.00	40.00	86	11	3
Other Asphalt Surfaces	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.495479	0.035270	0.186408	0.116756	0.013751	0.005010	0.022691	0.111931	0.003082	0.001854	0.006243	0.000776	0.000749
Other Asphalt Surfaces	0.495479	0.035270	0.186408	0.116756	0.013751	0.005010	0.022691	0.111931	0.003082	0.001854	0.006243	0.000776	0.000749

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	0.2417	2.0657	0.8790	0.0132		0.1670	0.1670		0.1670	0.1670		2,637.0780	2,637.0780	0.0505	0.0484	2,652.7488
NaturalGas Unmitigated	0.2417	2.0657	0.8790	0.0132		0.1670	0.1670		0.1670	0.1670		2,637.0780	2,637.0780	0.0505	0.0484	2,652.7488

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					
Condo/Townhouse	22415.2	0.2417	2.0657	0.8790	0.0132		0.1670	0.1670		0.1670	0.1670		2,637.0780	2,637.0780	0.0505	0.0484	2,652.7488
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
Total		**0.2417**	**2.0657**	**0.8790**	**0.0132**		**0.1670**	**0.1670**		**0.1670**	**0.1670**		**2,637.0780**	**2,637.0780**	**0.0505**	**0.0484**	**2,652.7488**

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					
Condo/Townhouse	22.4152	0.2417	2.0657	0.8790	0.0132		0.1670	0.1670		0.1670	0.1670		2,637.0780	2,637.0780	0.0505	0.0484	2,652.7488
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
Total		**0.2417**	**2.0657**	**0.8790**	**0.0132**		**0.1670**	**0.1670**		**0.1670**	**0.1670**		**2,637.0780**	**2,637.0780**	**0.0505**	**0.0484**	**2,652.7488**

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	10.2780	3.4061	31.0742	0.0211		0.4127	0.4127		0.4127	0.4127	0.0000	3,963.8951	3,963.8951	0.1264	0.0717	3,988.4183
Unmitigated	10.2780	3.4061	31.0742	0.0211		0.4127	0.4127		0.4127	0.4127	0.0000	3,963.8951	3,963.8951	0.1264	0.0717	3,988.4183

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	1.2527					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.7717					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3584	3.0630	1.3034	0.0196		0.2477	0.2477		0.2477	0.2477	0.0000	3,910.2671	3,910.2671	0.0750	0.0717	3,933.5038
Landscaping	0.8952	0.3430	29.7707	1.5700e-003		0.1650	0.1650		0.1650	0.1650		53.6280	53.6280	0.0515		54.9145
Total	**10.2780**	**3.4061**	**31.0742**	**0.0211**		**0.4127**	**0.4127**		**0.4127**	**0.4127**	**0.0000**	**3,963.8951**	**3,963.8951**	**0.1264**	**0.0717**	**3,988.4183**

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	1.2527					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.7717					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3584	3.0630	1.3034	0.0196		0.2477	0.2477		0.2477	0.2477	0.0000	3,910.2671	3,910.2671	0.0750	0.0717	3,933.5038
Landscaping	0.8952	0.3430	29.7707	1.5700e-003		0.1650	0.1650		0.1650	0.1650		53.6280	53.6280	0.0515		54.9145
Total	**10.2780**	**3.4061**	**31.0742**	**0.0211**		**0.4127**	**0.4127**		**0.4127**	**0.4127**	**0.0000**	**3,963.8951**	**3,963.8951**	**0.1264**	**0.0717**	**3,988.4183**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation