

# Appendix F

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CalEEMod Output

RAI-01 Fuego Farms - Riverside-South Coast County, Annual

**RAI-01 Fuego Farms**  
**Riverside-South Coast County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	63.74	1000sqft	1.46	63,740.00	0
Unrefrigerated Warehouse-No Rail	4.80	1000sqft	0.11	4,800.00	0
Other Asphalt Surfaces	0.58	Acre	0.58	25,264.80	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

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## Project Characteristics - Run 1

Land Use - Warehouse = support structure

General Light Industrial = greenhouses

Other Asphalt Surfaces = driveways, parking, paved fire lanes, and off-site road improvements.

Construction Phase - All building prefabricated and painted - no architectural coatings.

Schedule adjuste for over anticipated 6 month durartion.

Off-road Equipment -

Off-road Equipment - Grading equipment per applicant.

Off-highway trucks = water trucks and dump trucks.

Off-road Equipment -

Off-road Equipment - Off-highway trucks = water trucks.

Grading - Esitimated 4,000 CY vegetation removed during site preparation.

Grading cut/fill balanced on site.

Vehicle Trips - 28 employee plus 2 delivery/shipping trucks ADT.

Area Coating - limited painting of 4,800 SF support structure only.

Energy Use - No natural gas.

2,803,200 kWh per year electricity use per applicant.

Water And Wastewater - 14.5 AF (4,724,839 gallons) per year water use per applicant.

Solid Waste - Solid waste from support structure processing/employee area only.

Stationary Sources - Emergency Generators and Fire Pumps - One 350 kW standby generator assumed, tested 15 minutes per month.

Construction Off-road Equipment Mitigation - Dust mitigation to meet SCAQMD Rule 403

Waste Mitigation - Addional 25% solid waste diversion per AB 341.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	34270	3000
tblAreaCoating	Area_Nonresidential_Interior	102810	3000
tblConstructionPhase	NumDays	220.00	100.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	3.00	10.00
tblEnergyUse	LightingElect	2.93	0.00

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tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	5.02	43.98
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	17.13	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	2.20	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	15.36	0.00
tblEnergyUse	T24NG	2.00	0.00
tblGrading	MaterialExported	0.00	4,000.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	79.04	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	500.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.25
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	3.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	6.25
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	6.25
tblVehicleTrips	WD_TR	6.97	0.00

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tblVehicleTrips	WD_TR	1.68	6.25
tblWater	IndoorWaterUseRate	14,739,875.00	0.00
tblWater	IndoorWaterUseRate	1,110,000.00	0.00
tblWater	OutdoorWaterUseRate	0.00	4,724,839.00

## 2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-1-2021	12-31-2021	0.9090	0.9090
2	1-1-2022	3-31-2022	0.5465	0.5465
		Highest	0.9090	0.9090

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	0.2511	1.0000e-005	8.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	893.1867	893.1867	0.0369	7.6300e-003	896.3821
Mobile	8.9900e-003	0.0643	0.1338	6.6000e-004	0.0550	3.8000e-004	0.0554	0.0147	3.5000e-004	0.0151	0.0000	61.2095	61.2095	2.3500e-003	0.0000	61.2682
Stationary	2.4600e-003	6.8800e-003	6.2800e-003	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	1.1424	1.1424	1.6000e-004	0.0000	1.1464
Waste						0.0000	0.0000		0.0000	0.0000	0.9155	0.0000	0.9155	0.0541	0.0000	2.2681
Water						0.0000	0.0000		0.0000	0.0000	0.0000	16.7254	16.7254	6.9000e-004	1.4000e-004	16.7852
<b>Total</b>	<b>0.2626</b>	<b>0.0712</b>	<b>0.1409</b>	<b>6.7000e-004</b>	<b>0.0550</b>	<b>7.4000e-004</b>	<b>0.0558</b>	<b>0.0147</b>	<b>7.1000e-004</b>	<b>0.0155</b>	<b>0.9155</b>	<b>972.2657</b>	<b>973.1812</b>	<b>0.0942</b>	<b>7.7700e-003</b>	<b>977.8518</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2511	1.0000e-005	8.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	893.1867	893.1867	0.0369	7.6300e-003	896.3821
Mobile	8.9900e-003	0.0643	0.1338	6.6000e-004	0.0550	3.8000e-004	0.0554	0.0147	3.5000e-004	0.0151	0.0000	61.2095	61.2095	2.3500e-003	0.0000	61.2682
Stationary	2.4600e-003	6.8800e-003	6.2800e-003	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	1.1424	1.1424	1.6000e-004	0.0000	1.1464
Waste						0.0000	0.0000		0.0000	0.0000	0.6866	0.0000	0.6866	0.0406	0.0000	1.7011
Water						0.0000	0.0000		0.0000	0.0000	0.0000	16.7254	16.7254	6.9000e-004	1.4000e-004	16.7852
<b>Total</b>	<b>0.2626</b>	<b>0.0712</b>	<b>0.1409</b>	<b>6.7000e-004</b>	<b>0.0550</b>	<b>7.4000e-004</b>	<b>0.0558</b>	<b>0.0147</b>	<b>7.1000e-004</b>	<b>0.0155</b>	<b>0.6866</b>	<b>972.2657</b>	<b>972.9523</b>	<b>0.0807</b>	<b>7.7700e-003</b>	<b>977.2848</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>25.00</b>	<b>0.00</b>	<b>0.02</b>	<b>14.36</b>	<b>0.00</b>	<b>0.06</b>

**3.0 Construction Detail**

**Construction Phase**



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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/1/2021	10/14/2021	5	10	
2	Grading	Grading	10/15/2021	10/28/2021	5	10	
3	Building Construction	Building Construction	10/29/2021	3/17/2022	5	100	
4	Paving	Paving	3/18/2022	3/31/2022	5	10	

**Acres of Grading (Site Preparation Phase): 10**

**Acres of Grading (Grading Phase): 10**

**Acres of Paving: 0.58**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	2	8.00	212	0.43
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	2	8.00	402	0.38
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
Grading	Graders	0	8.00	187	0.41
Grading	Off-Highway Trucks	4	8.00	402	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	1	8.00	203	0.36
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	6	15.00	0.00	500.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	9	23.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	39.00	15.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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					5.5600e-003	0.0000	5.5600e-003	6.1000e-004	0.0000	6.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.1499	0.0783	2.6000e-004		5.6900e-003	5.6900e-003		5.2300e-003	5.2300e-003	0.0000	22.4360	22.4360	7.2600e-003	0.0000	22.6174
<b>Total</b>	<b>0.0141</b>	<b>0.1499</b>	<b>0.0783</b>	<b>2.6000e-004</b>	<b>5.5600e-003</b>	<b>5.6900e-003</b>	<b>0.0113</b>	<b>6.1000e-004</b>	<b>5.2300e-003</b>	<b>5.8400e-003</b>	<b>0.0000</b>	<b>22.4360</b>	<b>22.4360</b>	<b>7.2600e-003</b>	<b>0.0000</b>	<b>22.6174</b>

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**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	1.2400e-003	0.0556	7.6600e-003	1.9000e-004	4.3100e-003	1.7000e-004	4.4800e-003	1.1800e-003	1.6000e-004	1.3400e-003	0.0000	17.9373	17.9373	1.1000e-003	0.0000	17.9647
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	2.8000e-004	3.0700e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8929	0.8929	2.0000e-005	0.0000	0.8934
<b>Total</b>	<b>1.6500e-003</b>	<b>0.0558</b>	<b>0.0107</b>	<b>2.0000e-004</b>	<b>5.4200e-003</b>	<b>1.8000e-004</b>	<b>5.6000e-003</b>	<b>1.4700e-003</b>	<b>1.7000e-004</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>18.8302</b>	<b>18.8302</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>18.8581</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5000e-003	0.0000	2.5000e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.1499	0.0783	2.6000e-004		5.6900e-003	5.6900e-003		5.2300e-003	5.2300e-003	0.0000	22.4359	22.4359	7.2600e-003	0.0000	22.6174
<b>Total</b>	<b>0.0141</b>	<b>0.1499</b>	<b>0.0783</b>	<b>2.6000e-004</b>	<b>2.5000e-003</b>	<b>5.6900e-003</b>	<b>8.1900e-003</b>	<b>2.7000e-004</b>	<b>5.2300e-003</b>	<b>5.5000e-003</b>	<b>0.0000</b>	<b>22.4359</b>	<b>22.4359</b>	<b>7.2600e-003</b>	<b>0.0000</b>	<b>22.6174</b>

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**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	1.2400e-003	0.0556	7.6600e-003	1.9000e-004	4.3100e-003	1.7000e-004	4.4800e-003	1.1800e-003	1.6000e-004	1.3400e-003	0.0000	17.9373	17.9373	1.1000e-003	0.0000	17.9647
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	2.8000e-004	3.0700e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8929	0.8929	2.0000e-005	0.0000	0.8934
<b>Total</b>	<b>1.6500e-003</b>	<b>0.0558</b>	<b>0.0107</b>	<b>2.0000e-004</b>	<b>5.4200e-003</b>	<b>1.8000e-004</b>	<b>5.6000e-003</b>	<b>1.4700e-003</b>	<b>1.7000e-004</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>18.8302</b>	<b>18.8302</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>18.8581</b>

**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					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0210	0.2109	0.1242	4.0000e-004		8.1000e-003	8.1000e-003		7.4600e-003	7.4600e-003	0.0000	35.2288	35.2288	0.0114	0.0000	35.5136
<b>Total</b>	<b>0.0210</b>	<b>0.2109</b>	<b>0.1242</b>	<b>4.0000e-004</b>	<b>5.3000e-003</b>	<b>8.1000e-003</b>	<b>0.0134</b>	<b>5.7000e-004</b>	<b>7.4600e-003</b>	<b>8.0300e-003</b>	<b>0.0000</b>	<b>35.2288</b>	<b>35.2288</b>	<b>0.0114</b>	<b>0.0000</b>	<b>35.5136</b>

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**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	4.4000e-004	4.7100e-003	2.0000e-005	1.7000e-003	1.0000e-005	1.7100e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3690	1.3690	3.0000e-005	0.0000	1.3698
<b>Total</b>	<b>6.2000e-004</b>	<b>4.4000e-004</b>	<b>4.7100e-003</b>	<b>2.0000e-005</b>	<b>1.7000e-003</b>	<b>1.0000e-005</b>	<b>1.7100e-003</b>	<b>4.5000e-004</b>	<b>1.0000e-005</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>1.3690</b>	<b>1.3690</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.3698</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0210	0.2109	0.1242	4.0000e-004		8.1000e-003	8.1000e-003		7.4600e-003	7.4600e-003	0.0000	35.2287	35.2287	0.0114	0.0000	35.5136
<b>Total</b>	<b>0.0210</b>	<b>0.2109</b>	<b>0.1242</b>	<b>4.0000e-004</b>	<b>2.3900e-003</b>	<b>8.1000e-003</b>	<b>0.0105</b>	<b>2.6000e-004</b>	<b>7.4600e-003</b>	<b>7.7200e-003</b>	<b>0.0000</b>	<b>35.2287</b>	<b>35.2287</b>	<b>0.0114</b>	<b>0.0000</b>	<b>35.5136</b>

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**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	4.4000e-004	4.7100e-003	2.0000e-005	1.7000e-003	1.0000e-005	1.7100e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.3690	1.3690	3.0000e-005	0.0000	1.3698
<b>Total</b>	<b>6.2000e-004</b>	<b>4.4000e-004</b>	<b>4.7100e-003</b>	<b>2.0000e-005</b>	<b>1.7000e-003</b>	<b>1.0000e-005</b>	<b>1.7100e-003</b>	<b>4.5000e-004</b>	<b>1.0000e-005</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>1.3690</b>	<b>1.3690</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.3698</b>

**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	0.0470	0.3686	0.3350	5.8000e-004		0.0188	0.0188		0.0180	0.0180	0.0000	47.7592	47.7592	9.4000e-003	0.0000	47.9941
<b>Total</b>	<b>0.0470</b>	<b>0.3686</b>	<b>0.3350</b>	<b>5.8000e-004</b>		<b>0.0188</b>	<b>0.0188</b>		<b>0.0180</b>	<b>0.0180</b>	<b>0.0000</b>	<b>47.7592</b>	<b>47.7592</b>	<b>9.4000e-003</b>	<b>0.0000</b>	<b>47.9941</b>

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**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	8.7000e-004	0.0336	6.4700e-003	1.0000e-004	2.4900e-003	7.0000e-005	2.5600e-003	7.2000e-004	7.0000e-005	7.9000e-004	0.0000	9.2894	9.2894	6.5000e-004	0.0000	9.3058
Worker	4.8600e-003	3.4000e-003	0.0367	1.2000e-004	0.0133	8.0000e-005	0.0134	3.5300e-003	7.0000e-005	3.6000e-003	0.0000	10.6785	10.6785	2.4000e-004	0.0000	10.6846
<b>Total</b>	<b>5.7300e-003</b>	<b>0.0370</b>	<b>0.0432</b>	<b>2.2000e-004</b>	<b>0.0158</b>	<b>1.5000e-004</b>	<b>0.0159</b>	<b>4.2500e-003</b>	<b>1.4000e-004</b>	<b>4.3900e-003</b>	<b>0.0000</b>	<b>19.9679</b>	<b>19.9679</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>19.9904</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0470	0.3686	0.3350	5.8000e-004		0.0188	0.0188		0.0180	0.0180	0.0000	47.7592	47.7592	9.4000e-003	0.0000	47.9941
<b>Total</b>	<b>0.0470</b>	<b>0.3686</b>	<b>0.3350</b>	<b>5.8000e-004</b>		<b>0.0188</b>	<b>0.0188</b>		<b>0.0180</b>	<b>0.0180</b>	<b>0.0000</b>	<b>47.7592</b>	<b>47.7592</b>	<b>9.4000e-003</b>	<b>0.0000</b>	<b>47.9941</b>



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**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	8.7000e-004	0.0336	6.4700e-003	1.0000e-004	2.4900e-003	7.0000e-005	2.5600e-003	7.2000e-004	7.0000e-005	7.9000e-004	0.0000	9.2894	9.2894	6.5000e-004	0.0000	9.3058
Worker	4.8600e-003	3.4000e-003	0.0367	1.2000e-004	0.0133	8.0000e-005	0.0134	3.5300e-003	7.0000e-005	3.6000e-003	0.0000	10.6785	10.6785	2.4000e-004	0.0000	10.6846
<b>Total</b>	<b>5.7300e-003</b>	<b>0.0370</b>	<b>0.0432</b>	<b>2.2000e-004</b>	<b>0.0158</b>	<b>1.5000e-004</b>	<b>0.0159</b>	<b>4.2500e-003</b>	<b>1.4000e-004</b>	<b>4.3900e-003</b>	<b>0.0000</b>	<b>19.9679</b>	<b>19.9679</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>19.9904</b>

**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	0.0501	0.3943	0.3875	6.8000e-004		0.0190	0.0190		0.0182	0.0182	0.0000	56.0736	56.0736	0.0108	0.0000	56.3441
<b>Total</b>	<b>0.0501</b>	<b>0.3943</b>	<b>0.3875</b>	<b>6.8000e-004</b>		<b>0.0190</b>	<b>0.0190</b>		<b>0.0182</b>	<b>0.0182</b>	<b>0.0000</b>	<b>56.0736</b>	<b>56.0736</b>	<b>0.0108</b>	<b>0.0000</b>	<b>56.3441</b>

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**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	9.5000e-004	0.0370	7.0700e-003	1.1000e-004	2.9300e-003	7.0000e-005	3.0000e-003	8.4000e-004	7.0000e-005	9.1000e-004	0.0000	10.8114	10.8114	7.3000e-004	0.0000	10.8297
Worker	5.3500e-003	3.5900e-003	0.0398	1.3000e-004	0.0156	9.0000e-005	0.0157	4.1400e-003	8.0000e-005	4.2200e-003	0.0000	12.0780	12.0780	2.6000e-004	0.0000	12.0844
<b>Total</b>	<b>6.3000e-003</b>	<b>0.0406</b>	<b>0.0468</b>	<b>2.4000e-004</b>	<b>0.0185</b>	<b>1.6000e-004</b>	<b>0.0187</b>	<b>4.9800e-003</b>	<b>1.5000e-004</b>	<b>5.1300e-003</b>	<b>0.0000</b>	<b>22.8894</b>	<b>22.8894</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>22.9141</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0501	0.3943	0.3875	6.8000e-004		0.0190	0.0190		0.0182	0.0182	0.0000	56.0736	56.0736	0.0108	0.0000	56.3440
<b>Total</b>	<b>0.0501</b>	<b>0.3943</b>	<b>0.3875</b>	<b>6.8000e-004</b>		<b>0.0190</b>	<b>0.0190</b>		<b>0.0182</b>	<b>0.0182</b>	<b>0.0000</b>	<b>56.0736</b>	<b>56.0736</b>	<b>0.0108</b>	<b>0.0000</b>	<b>56.3440</b>

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**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	9.5000e-004	0.0370	7.0700e-003	1.1000e-004	2.9300e-003	7.0000e-005	3.0000e-003	8.4000e-004	7.0000e-005	9.1000e-004	0.0000	10.8114	10.8114	7.3000e-004	0.0000	10.8297
Worker	5.3500e-003	3.5900e-003	0.0398	1.3000e-004	0.0156	9.0000e-005	0.0157	4.1400e-003	8.0000e-005	4.2200e-003	0.0000	12.0780	12.0780	2.6000e-004	0.0000	12.0844
<b>Total</b>	<b>6.3000e-003</b>	<b>0.0406</b>	<b>0.0468</b>	<b>2.4000e-004</b>	<b>0.0185</b>	<b>1.6000e-004</b>	<b>0.0187</b>	<b>4.9800e-003</b>	<b>1.5000e-004</b>	<b>5.1300e-003</b>	<b>0.0000</b>	<b>22.8894</b>	<b>22.8894</b>	<b>9.9000e-004</b>	<b>0.0000</b>	<b>22.9141</b>

**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	4.7100e-003	0.0467	0.0585	9.0000e-005		2.4400e-003	2.4400e-003		2.2500e-003	2.2500e-003	0.0000	7.7550	7.7550	2.4600e-003	0.0000	7.8165
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.4700e-003</b>	<b>0.0467</b>	<b>0.0585</b>	<b>9.0000e-005</b>		<b>2.4400e-003</b>	<b>2.4400e-003</b>		<b>2.2500e-003</b>	<b>2.2500e-003</b>	<b>0.0000</b>	<b>7.7550</b>	<b>7.7550</b>	<b>2.4600e-003</b>	<b>0.0000</b>	<b>7.8165</b>

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**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	3.8000e-004	2.6000e-004	2.8300e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8603	0.8603	2.0000e-005	0.0000	0.8607
<b>Total</b>	<b>3.8000e-004</b>	<b>2.6000e-004</b>	<b>2.8300e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.8603</b>	<b>0.8603</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8607</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.7100e-003	0.0467	0.0585	9.0000e-005		2.4400e-003	2.4400e-003		2.2500e-003	2.2500e-003	0.0000	7.7550	7.7550	2.4600e-003	0.0000	7.8165
Paving	7.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.4700e-003</b>	<b>0.0467</b>	<b>0.0585</b>	<b>9.0000e-005</b>		<b>2.4400e-003</b>	<b>2.4400e-003</b>		<b>2.2500e-003</b>	<b>2.2500e-003</b>	<b>0.0000</b>	<b>7.7550</b>	<b>7.7550</b>	<b>2.4600e-003</b>	<b>0.0000</b>	<b>7.8165</b>

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**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	3.8000e-004	2.6000e-004	2.8300e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8603	0.8603	2.0000e-005	0.0000	0.8607
<b>Total</b>	<b>3.8000e-004</b>	<b>2.6000e-004</b>	<b>2.8300e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.8603</b>	<b>0.8603</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8607</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.9900e-003	0.0643	0.1338	6.6000e-004	0.0550	3.8000e-004	0.0554	0.0147	3.5000e-004	0.0151	0.0000	61.2095	61.2095	2.3500e-003	0.0000	61.2682
Unmitigated	8.9900e-003	0.0643	0.1338	6.6000e-004	0.0550	3.8000e-004	0.0554	0.0147	3.5000e-004	0.0151	0.0000	61.2095	61.2095	2.3500e-003	0.0000	61.2682

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	30.00	30.00	30.00	144,162	144,162
Total	30.00	30.00	30.00	144,162	144,162

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	18.50	10.10	7.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	18.50	10.10	7.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	18.50	10.10	7.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix







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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	2.80329e+006	893.1867	0.0369	7.6300e-003	896.3821
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>893.1867</b>	<b>0.0369</b>	<b>7.6300e-003</b>	<b>896.3821</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	2.80329e+006	893.1867	0.0369	7.6300e-003	896.3821
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>893.1867</b>	<b>0.0369</b>	<b>7.6300e-003</b>	<b>896.3821</b>

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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	0.2511	1.0000e-005	8.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8300e-003
Unmitigated	0.2511	1.0000e-005	8.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8300e-003

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**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.7400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2493					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8300e-003
<b>Total</b>	<b>0.2511</b>	<b>1.0000e-005</b>	<b>8.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.8300e-003</b>

**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	1.7400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2493					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7200e-003	1.7200e-003	0.0000	0.0000	1.8300e-003
<b>Total</b>	<b>0.2511</b>	<b>1.0000e-005</b>	<b>8.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.8300e-003</b>

**7.0 Water Detail**

RAI-01 Fuego Farms - Riverside-South Coast County, Annual

**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	16.7254	6.9000e-004	1.4000e-004	16.7852
Unmitigated	16.7254	6.9000e-004	1.4000e-004	16.7852

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 4.72484	16.7254	6.9000e-004	1.4000e-004	16.7852
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>16.7254</b>	<b>6.9000e-004</b>	<b>1.4000e-004</b>	<b>16.7852</b>

## RAI-01 Fuego Farms - Riverside-South Coast County, Annual

**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 4.72484	16.7254	6.9000e-004	1.4000e-004	16.7852
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>16.7254</b>	<b>6.9000e-004</b>	<b>1.4000e-004</b>	<b>16.7852</b>

**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

RAI-01 Fuego Farms - Riverside-South Coast County, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.6866	0.0406	0.0000	1.7011
Unmitigated	0.9155	0.0541	0.0000	2.2681

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	4.51	0.9155	0.0541	0.0000	2.2681
<b>Total</b>		<b>0.9155</b>	<b>0.0541</b>	<b>0.0000</b>	<b>2.2681</b>

RAI-01 Fuego Farms - Riverside-South Coast County, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	3.3825	0.6866	0.0406	0.0000	1.7011
<b>Total</b>		<b>0.6866</b>	<b>0.0406</b>	<b>0.0000</b>	<b>1.7011</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0.25	3	500	0.73	Diesel

**Boilers**

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

RAI-01 Fuego Farms - Riverside-South Coast County, Annual

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (300 - 600 HP)	2.4600e-003	6.8800e-003	6.2800e-003	1.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	1.1424	1.1424	1.6000e-004	0.0000	1.1464
<b>Total</b>	<b>2.4600e-003</b>	<b>6.8800e-003</b>	<b>6.2800e-003</b>	<b>1.0000e-005</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>1.1424</b>	<b>1.1424</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.1464</b>

**11.0 Vegetation**

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RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**RAI-01 Fuego Farms**  
**Riverside-South Coast County, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	63.74	1000sqft	1.46	63,740.00	0
Unrefrigerated Warehouse-No Rail	4.80	1000sqft	0.11	4,800.00	0
Other Asphalt Surfaces	0.58	Acre	0.58	25,264.80	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

Project Characteristics - Run 1

Land Use - Warehouse = support structure

General Light Industrial = greenhouses

Other Asphalt Surfaces = driveways, parking, paved fire lanes, and off-site road improvements.

Construction Phase - All building prefabricated and painted - no architectural coatings.

Schedule adjuste for over anticipated 6 month durartion.

Off-road Equipment -

Off-road Equipment - Grading equipment per applicant.

Off-highway trucks = water trucks and dump trucks.

Off-road Equipment -

Off-road Equipment - Off-highway trucks = water trucks.

Grading - Esitimated 4,000 CY vegetation removed during site preparation.

Grading cut/fill balanced on site.

Vehicle Trips - 28 employee plus 2 delivery/shipping trucks ADT.

Area Coating - limited painting of 4,800 SF support structure only.

Energy Use - No natural gas.

2,803,200 kWh per year electricity use per applicant.

Water And Wastewater - 14.5 AF (4,724,839 gallons) per year water use per applicant.

Solid Waste - Solid waste from support structure processing/employee area only.

Stationary Sources - Emergency Generators and Fire Pumps - One 350 kW standby generator assumed, tested 15 minutes per month.

Construction Off-road Equipment Mitigation - Dust mitigation to meet SCAQMD Rule 403

Waste Mitigation - Addional 25% solid waste diversion per AB 341.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	34270	3000
tblAreaCoating	Area_Nonresidential_Interior	102810	3000
tblConstructionPhase	NumDays	220.00	100.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	3.00	10.00
tblEnergyUse	LightingElect	2.93	0.00

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	5.02	0.00
tblEnergyUse	NT24E	0.82	44.00
tblEnergyUse	NT24NG	17.13	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	2.20	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	15.36	0.00
tblEnergyUse	T24NG	2.00	0.00
tblGrading	MaterialExported	0.00	4,000.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSolidWaste	SolidWasteGenerationRate	79.04	0.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	500.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.25
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	3.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	6.25
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	6.25
tblVehicleTrips	WD_TR	6.97	0.00

## RAI-01 Fuego Farms - Riverside-South Coast County, Winter

tblVehicleTrips	WD_TR	1.68	6.25
tblWater	IndoorWaterUseRate	14,739,875.00	0.00
tblWater	IndoorWaterUseRate	1,110,000.00	0.00
tblWater	OutdoorWaterUseRate	0.00	4,724,839.00

## 2.0 Emissions Summary

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RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.3762	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0491	0.3475	0.7076	3.5500e-003	0.3074	2.0800e-003	0.3095	0.0822	1.9400e-003	0.0842		363.2124	363.2124	0.0145		363.5742
Stationary	0.4102	1.1467	1.0461	1.9700e-003		0.0604	0.0604		0.0604	0.0604		209.8785	209.8785	0.0294		210.6142
<b>Total</b>	<b>1.8356</b>	<b>1.4942</b>	<b>1.7607</b>	<b>5.5200e-003</b>	<b>0.3074</b>	<b>0.0625</b>	<b>0.3699</b>	<b>0.0822</b>	<b>0.0623</b>	<b>0.1446</b>		<b>573.1061</b>	<b>573.1061</b>	<b>0.0439</b>	<b>0.0000</b>	<b>574.2045</b>

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.3762	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0491	0.3475	0.7076	3.5500e-003	0.3074	2.0800e-003	0.3095	0.0822	1.9400e-003	0.0842		363.2124	363.2124	0.0145		363.5742
Stationary	0.4102	1.1467	1.0461	1.9700e-003		0.0604	0.0604		0.0604	0.0604		209.8785	209.8785	0.0294		210.6142
<b>Total</b>	<b>1.8356</b>	<b>1.4942</b>	<b>1.7607</b>	<b>5.5200e-003</b>	<b>0.3074</b>	<b>0.0625</b>	<b>0.3699</b>	<b>0.0822</b>	<b>0.0623</b>	<b>0.1446</b>		<b>573.1061</b>	<b>573.1061</b>	<b>0.0439</b>	<b>0.0000</b>	<b>574.2045</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/1/2021	10/14/2021	5	10	
2	Grading	Grading	10/15/2021	10/28/2021	5	10	
3	Building Construction	Building Construction	10/29/2021	3/17/2022	5	100	
4	Paving	Paving	3/18/2022	3/31/2022	5	10	

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**Acres of Grading (Site Preparation Phase): 10**

**Acres of Grading (Grading Phase): 10**

**Acres of Paving: 0.58**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**



## RAI-01 Fuego Farms - Riverside-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Crawler Tractors	2	8.00	212	0.43
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Off-Highway Trucks	2	8.00	402	0.38
Site Preparation	Rubber Tired Loaders	1	8.00	203	0.36
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Crawler Tractors	2	8.00	212	0.43
Grading	Graders	0	8.00	187	0.41
Grading	Off-Highway Trucks	4	8.00	402	0.38
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Loaders	1	8.00	203	0.36
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	6	15.00	0.00	500.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	9	23.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	39.00	15.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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					1.1112	0.0000	1.1112	0.1222	0.0000	0.1222			0.0000			0.0000
Off-Road	2.8205	29.9854	15.6553	0.0511		1.1371	1.1371		1.0461	1.0461		4,946.2839	4,946.2839	1.5997		4,986.2771
<b>Total</b>	<b>2.8205</b>	<b>29.9854</b>	<b>15.6553</b>	<b>0.0511</b>	<b>1.1112</b>	<b>1.1371</b>	<b>2.2482</b>	<b>0.1222</b>	<b>1.0461</b>	<b>1.1683</b>		<b>4,946.2839</b>	<b>4,946.2839</b>	<b>1.5997</b>		<b>4,986.2771</b>

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**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	0.2561	10.9415	1.6671	0.0367	0.8746	0.0336	0.9082	0.2398	0.0321	0.2719		3,896.260 1	3,896.260 1	0.2540		3,902.609 2
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0887	0.0550	0.5808	1.9200e-003	0.2258	1.3000e-003	0.2271	0.0599	1.2000e-003	0.0611		191.8798	191.8798	4.3500e-003		191.9885
<b>Total</b>	<b>0.3449</b>	<b>10.9964</b>	<b>2.2479</b>	<b>0.0386</b>	<b>1.1004</b>	<b>0.0349</b>	<b>1.1353</b>	<b>0.2996</b>	<b>0.0333</b>	<b>0.3329</b>		<b>4,088.139 9</b>	<b>4,088.139 9</b>	<b>0.2583</b>		<b>4,094.597 6</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5000	0.0000	0.5000	0.0550	0.0000	0.0550			0.0000			0.0000
Off-Road	2.8205	29.9854	15.6553	0.0511		1.1371	1.1371		1.0461	1.0461	0.0000	4,946.283 9	4,946.283 9	1.5997		4,986.277 1
<b>Total</b>	<b>2.8205</b>	<b>29.9854</b>	<b>15.6553</b>	<b>0.0511</b>	<b>0.5000</b>	<b>1.1371</b>	<b>1.6371</b>	<b>0.0550</b>	<b>1.0461</b>	<b>1.1011</b>	<b>0.0000</b>	<b>4,946.283 9</b>	<b>4,946.283 9</b>	<b>1.5997</b>		<b>4,986.277 1</b>

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**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	0.2561	10.9415	1.6671	0.0367	0.8746	0.0336	0.9082	0.2398	0.0321	0.2719		3,896.260 1	3,896.260 1	0.2540		3,902.609 2
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0887	0.0550	0.5808	1.9200e-003	0.2258	1.3000e-003	0.2271	0.0599	1.2000e-003	0.0611		191.8798	191.8798	4.3500e-003		191.9885
<b>Total</b>	<b>0.3449</b>	<b>10.9964</b>	<b>2.2479</b>	<b>0.0386</b>	<b>1.1004</b>	<b>0.0349</b>	<b>1.1353</b>	<b>0.2996</b>	<b>0.0333</b>	<b>0.3329</b>		<b>4,088.139 9</b>	<b>4,088.139 9</b>	<b>0.2583</b>		<b>4,094.597 6</b>

**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					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	4.1962	42.1710	24.8417	0.0802		1.6210	1.6210		1.4913	1.4913		7,766.617 4	7,766.617 4	2.5119		7,829.414 4
<b>Total</b>	<b>4.1962</b>	<b>42.1710</b>	<b>24.8417</b>	<b>0.0802</b>	<b>1.0605</b>	<b>1.6210</b>	<b>2.6815</b>	<b>0.1145</b>	<b>1.4913</b>	<b>1.6058</b>		<b>7,766.617 4</b>	<b>7,766.617 4</b>	<b>2.5119</b>		<b>7,829.414 4</b>

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1361	0.0843	0.8906	2.9500e-003	0.3462	1.9900e-003	0.3482	0.0918	1.8300e-003	0.0936		294.2157	294.2157	6.6600e-003		294.3823
<b>Total</b>	<b>0.1361</b>	<b>0.0843</b>	<b>0.8906</b>	<b>2.9500e-003</b>	<b>0.3462</b>	<b>1.9900e-003</b>	<b>0.3482</b>	<b>0.0918</b>	<b>1.8300e-003</b>	<b>0.0936</b>		<b>294.2157</b>	<b>294.2157</b>	<b>6.6600e-003</b>		<b>294.3823</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4772	0.0000	0.4772	0.0515	0.0000	0.0515			0.0000			0.0000
Off-Road	4.1962	42.1710	24.8417	0.0802		1.6210	1.6210		1.4913	1.4913	0.0000	7,766.6174	7,766.6174	2.5119		7,829.4144
<b>Total</b>	<b>4.1962</b>	<b>42.1710</b>	<b>24.8417</b>	<b>0.0802</b>	<b>0.4772</b>	<b>1.6210</b>	<b>2.0982</b>	<b>0.0515</b>	<b>1.4913</b>	<b>1.5429</b>	<b>0.0000</b>	<b>7,766.6174</b>	<b>7,766.6174</b>	<b>2.5119</b>		<b>7,829.4144</b>

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1361	0.0843	0.8906	2.9500e-003	0.3462	1.9900e-003	0.3482	0.0918	1.8300e-003	0.0936		294.2157	294.2157	6.6600e-003		294.3823
<b>Total</b>	<b>0.1361</b>	<b>0.0843</b>	<b>0.8906</b>	<b>2.9500e-003</b>	<b>0.3462</b>	<b>1.9900e-003</b>	<b>0.3482</b>	<b>0.0918</b>	<b>1.8300e-003</b>	<b>0.0936</b>		<b>294.2157</b>	<b>294.2157</b>	<b>6.6600e-003</b>		<b>294.3823</b>

**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	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831		2,288.9355	2,288.9355	0.4503		2,300.1935
<b>Total</b>	<b>2.0451</b>	<b>16.0275</b>	<b>14.5629</b>	<b>0.0250</b>		<b>0.8173</b>	<b>0.8173</b>		<b>0.7831</b>	<b>0.7831</b>		<b>2,288.9355</b>	<b>2,288.9355</b>	<b>0.4503</b>		<b>2,300.1935</b>

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**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	0.0392	1.4365	0.3050	4.1400e-003	0.1099	3.0600e-003	0.1130	0.0316	2.9300e-003	0.0346		436.2686	436.2686	0.0333		437.1005
Worker	0.2307	0.1429	1.5101	5.0000e-003	0.5870	3.3800e-003	0.5904	0.1557	3.1100e-003	0.1588		498.8874	498.8874	0.0113		499.1700
<b>Total</b>	<b>0.2699</b>	<b>1.5794</b>	<b>1.8152</b>	<b>9.1400e-003</b>	<b>0.6969</b>	<b>6.4400e-003</b>	<b>0.7034</b>	<b>0.1873</b>	<b>6.0400e-003</b>	<b>0.1934</b>		<b>935.1560</b>	<b>935.1560</b>	<b>0.0446</b>		<b>936.2704</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831	0.0000	2,288.9355	2,288.9355	0.4503		2,300.1935
<b>Total</b>	<b>2.0451</b>	<b>16.0275</b>	<b>14.5629</b>	<b>0.0250</b>		<b>0.8173</b>	<b>0.8173</b>		<b>0.7831</b>	<b>0.7831</b>	<b>0.0000</b>	<b>2,288.9355</b>	<b>2,288.9355</b>	<b>0.4503</b>		<b>2,300.1935</b>

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**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	0.0392	1.4365	0.3050	4.1400e-003	0.1099	3.0600e-003	0.1130	0.0316	2.9300e-003	0.0346		436.2686	436.2686	0.0333		437.1005
Worker	0.2307	0.1429	1.5101	5.0000e-003	0.5870	3.3800e-003	0.5904	0.1557	3.1100e-003	0.1588		498.8874	498.8874	0.0113		499.1700
<b>Total</b>	<b>0.2699</b>	<b>1.5794</b>	<b>1.8152</b>	<b>9.1400e-003</b>	<b>0.6969</b>	<b>6.4400e-003</b>	<b>0.7034</b>	<b>0.1873</b>	<b>6.0400e-003</b>	<b>0.1934</b>		<b>935.1560</b>	<b>935.1560</b>	<b>0.0446</b>		<b>936.2704</b>

**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	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>		<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</b>



RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**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	0.0366	1.3490	0.2848	4.1000e-003	0.1099	2.5800e-003	0.1125	0.0316	2.4700e-003	0.0341		432.4755	432.4755	0.0316		433.2647
Worker	0.2167	0.1286	1.3918	4.8200e-003	0.5870	3.2900e-003	0.5903	0.1557	3.0300e-003	0.1587		480.6750	480.6750	0.0102		480.9292
<b>Total</b>	<b>0.2533</b>	<b>1.4776</b>	<b>1.6766</b>	<b>8.9200e-003</b>	<b>0.6969</b>	<b>5.8700e-003</b>	<b>0.7028</b>	<b>0.1873</b>	<b>5.5000e-003</b>	<b>0.1928</b>		<b>913.1505</b>	<b>913.1505</b>	<b>0.0417</b>		<b>914.1939</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>	<b>0.0000</b>	<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</b>

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**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	0.0366	1.3490	0.2848	4.1000e-003	0.1099	2.5800e-003	0.1125	0.0316	2.4700e-003	0.0341		432.4755	432.4755	0.0316		433.2647
Worker	0.2167	0.1286	1.3918	4.8200e-003	0.5870	3.2900e-003	0.5903	0.1557	3.0300e-003	0.1587		480.6750	480.6750	0.0102		480.9292
<b>Total</b>	<b>0.2533</b>	<b>1.4776</b>	<b>1.6766</b>	<b>8.9200e-003</b>	<b>0.6969</b>	<b>5.8700e-003</b>	<b>0.7028</b>	<b>0.1873</b>	<b>5.5000e-003</b>	<b>0.1928</b>		<b>913.1505</b>	<b>913.1505</b>	<b>0.0417</b>		<b>914.1939</b>

**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	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.1520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0931</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>		<b>1,709.6892</b>	<b>1,709.6892</b>	<b>0.5419</b>		<b>1,723.2356</b>

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**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	0.0834	0.0495	0.5353	1.8500e-003	0.2258	1.2600e-003	0.2271	0.0599	1.1600e-003	0.0610		184.8750	184.8750	3.9100e-003		184.9728
<b>Total</b>	<b>0.0834</b>	<b>0.0495</b>	<b>0.5353</b>	<b>1.8500e-003</b>	<b>0.2258</b>	<b>1.2600e-003</b>	<b>0.2271</b>	<b>0.0599</b>	<b>1.1600e-003</b>	<b>0.0610</b>		<b>184.8750</b>	<b>184.8750</b>	<b>3.9100e-003</b>		<b>184.9728</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.1520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0931</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>	<b>0.0000</b>	<b>1,709.6892</b>	<b>1,709.6892</b>	<b>0.5419</b>		<b>1,723.2356</b>

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

**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	0.0834	0.0495	0.5353	1.8500e-003	0.2258	1.2600e-003	0.2271	0.0599	1.1600e-003	0.0610		184.8750	184.8750	3.9100e-003		184.9728
<b>Total</b>	<b>0.0834</b>	<b>0.0495</b>	<b>0.5353</b>	<b>1.8500e-003</b>	<b>0.2258</b>	<b>1.2600e-003</b>	<b>0.2271</b>	<b>0.0599</b>	<b>1.1600e-003</b>	<b>0.0610</b>		<b>184.8750</b>	<b>184.8750</b>	<b>3.9100e-003</b>		<b>184.9728</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0491	0.3475	0.7076	3.5500e-003	0.3074	2.0800e-003	0.3095	0.0822	1.9400e-003	0.0842		363.2124	363.2124	0.0145		363.5742
Unmitigated	0.0491	0.3475	0.7076	3.5500e-003	0.3074	2.0800e-003	0.3095	0.0822	1.9400e-003	0.0842		363.2124	363.2124	0.0145		363.5742

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	30.00	30.00	30.00	144,162	144,162
Total	30.00	30.00	30.00	144,162	144,162

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	18.50	10.10	7.90	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	18.50	10.10	7.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	18.50	10.10	7.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

RAI-01 Fuego Farms - Riverside-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Other Asphalt Surfaces	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898
Unrefrigerated Warehouse-No Rail	0.548600	0.036250	0.186898	0.112544	0.014284	0.004806	0.017604	0.070134	0.001409	0.001147	0.004508	0.000918	0.000898

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	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
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
Unrefrigerated Warehouse-No Rail	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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					
General Light Industry	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
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
Unrefrigerated Warehouse-No Rail	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3762	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
Unmitigated	1.3762	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161



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**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	9.5400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3660					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
<b>Total</b>	<b>1.3762</b>	<b>6.0000e-005</b>	<b>7.0600e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>0.0151</b>	<b>0.0151</b>	<b>4.0000e-005</b>		<b>0.0161</b>

**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	9.5400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3660					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0151	0.0151	4.0000e-005		0.0161
<b>Total</b>	<b>1.3762</b>	<b>6.0000e-005</b>	<b>7.0600e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>0.0151</b>	<b>0.0151</b>	<b>4.0000e-005</b>		<b>0.0161</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	0.25	3	500	0.73	Diesel

**Boilers**

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

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (300 - 600 HP)	0.4102	1.1467	1.0461	1.9700e-003		0.0604	0.0604		0.0604	0.0604		209.8785	209.8785	0.0294		210.6142
<b>Total</b>	<b>0.4102</b>	<b>1.1467</b>	<b>1.0461</b>	<b>1.9700e-003</b>		<b>0.0604</b>	<b>0.0604</b>		<b>0.0604</b>	<b>0.0604</b>		<b>209.8785</b>	<b>209.8785</b>	<b>0.0294</b>		<b>210.6142</b>

**11.0 Vegetation**

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