

Appendix A  
CalEEMOD Air Quality and GHG Modeling

Sun Ray Naturals - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Sun Ray Naturals  
Salton Sea Air Basin, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	7.57	1000sqft	0.17	7,573.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.4	<b>Precipitation Freq (Days)</b>	20
<b>Climate Zone</b>	10			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use - The Project proposes minor interior renovations to an existing building for the construction of a cannabis cultivation facility on 690 Garnet Avenue in north Palm Springs.

Construction Phase - Assumes a 2 month buildout that includes renovating the space, cultivation equipment installation and internal architectural coating.

Demolition - Assumed 2 tons of building material will be removed during renovation including but not limited to: carpet/flooring/dry-wall etc.

On-road Fugitive Dust - The Project site is within an area that is accesible entirely via paved roads.

Architectural Coating - The Project does not propose any exterior improvements that would result in outside architectural coating.

Vehicle Trips - Adjusted daily trip metrics per the VMT and traffic analysis. Due to the Project land use, adjusted primary trip rate to 100%.

Road Dust - The Project site and surrounding area are entirely paved.

Consumer Products -

Energy Use - Based on the facility configuration and equipment selection as described above, the Sun Ray Natural facility is expected to have an annual enegy consupion of 1,874 MWh

Water And Wastewater - Assumes 1 cannabis plant requires 2.5 gallons of water per day, 365 days a year. The Project includes 2,414 plants.

## Sun Ray Naturals - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Parking	150.00	0.00
tblConstructionPhase	NumDays	5.00	11.00
tblConstructionPhase	NumDays	100.00	30.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	PhaseEndDate	6/21/2023	3/1/2023
tblConstructionPhase	PhaseEndDate	6/7/2023	3/1/2023
tblConstructionPhase	PhaseEndDate	1/13/2023	1/6/2023
tblConstructionPhase	PhaseStartDate	6/15/2023	2/15/2023
tblEnergyUse	T24E	1.97	247.50
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	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.99	6.90
tblVehicleTrips	SU_TR	5.00	6.90
tblVehicleTrips	WD_TR	4.96	6.90
tblWater	IndoorWaterUseRate	1,750,562.50	2,202,775.00



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2023	3-31-2023	0.1669	0.1669
		Highest	0.1669	0.1669

**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	0.0349	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.4000e-004
Energy	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	356.1443	356.1443	0.0292	3.7500e-003	357.9919
Mobile	0.0295	0.0443	0.2899	6.6000e-004	0.0669	5.1000e-004	0.0674	0.0178	4.8000e-004	0.0183	0.0000	61.2945	61.2945	2.9900e-003	3.0700e-003	62.2830
Waste						0.0000	0.0000		0.0000	0.0000	1.9061	0.0000	1.9061	0.1127	0.0000	4.7223
Water						0.0000	0.0000		0.0000	0.0000	0.6988	5.0867	5.7855	0.0722	1.7500e-003	8.1113
<b>Total</b>	<b>0.0657</b>	<b>0.0563</b>	<b>0.3001</b>	<b>7.3000e-004</b>	<b>0.0669</b>	<b>1.4200e-003</b>	<b>0.0683</b>	<b>0.0178</b>	<b>1.3900e-003</b>	<b>0.0192</b>	<b>2.6049</b>	<b>422.5257</b>	<b>425.1306</b>	<b>0.2171</b>	<b>8.5700e-003</b>	<b>433.1086</b>

Sun Ray Naturals - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0349	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.4000e-004
Energy	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	356.1443	356.1443	0.0292	3.7500e-003	357.9919
Mobile	0.0295	0.0443	0.2899	6.6000e-004	0.0669	5.1000e-004	0.0674	0.0178	4.8000e-004	0.0183	0.0000	61.2945	61.2945	2.9900e-003	3.0700e-003	62.2830
Waste						0.0000	0.0000		0.0000	0.0000	1.9061	0.0000	1.9061	0.1127	0.0000	4.7223
Water						0.0000	0.0000		0.0000	0.0000	0.6988	5.0867	5.7855	0.0722	1.7500e-003	8.1113
<b>Total</b>	<b>0.0657</b>	<b>0.0563</b>	<b>0.3001</b>	<b>7.3000e-004</b>	<b>0.0669</b>	<b>1.4200e-003</b>	<b>0.0683</b>	<b>0.0178</b>	<b>1.3900e-003</b>	<b>0.0192</b>	<b>2.6049</b>	<b>422.5257</b>	<b>425.1306</b>	<b>0.2171</b>	<b>8.5700e-003</b>	<b>433.1086</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>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	1/6/2023	5	5	
2	Building Construction	Building Construction	1/19/2023	3/1/2023	5	30	
3	Architectural Coating	Architectural Coating	2/15/2023	3/1/2023	5	11	

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**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 11,360; Non-Residential Outdoor: 3,787; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	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
Demolition	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	3.00	1.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Demolition - 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					
Fugitive Dust					2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0145	0.0185	3.0000e-005		7.1000e-004	7.1000e-004		6.7000e-004	6.7000e-004	0.0000	2.6045	2.6045	4.7000e-004	0.0000	2.6164
<b>Total</b>	<b>1.6200e-003</b>	<b>0.0145</b>	<b>0.0185</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>7.1000e-004</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>6.7000e-004</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>2.6045</b>	<b>2.6045</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>2.6164</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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	9.0000e-005	6.0000e-005	7.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1619	0.1619	0.0000	0.0000	0.1634
<b>Total</b>	<b>9.0000e-005</b>	<b>6.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.1619</b>	<b>0.1619</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1634</b>



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**3.2 Demolition - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0145	0.0185	3.0000e-005		7.1000e-004	7.1000e-004		6.7000e-004	6.7000e-004	0.0000	2.6045	2.6045	4.7000e-004	0.0000	2.6164
<b>Total</b>	<b>1.6200e-003</b>	<b>0.0145</b>	<b>0.0185</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>7.1000e-004</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>6.7000e-004</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>2.6045</b>	<b>2.6045</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>2.6164</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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	9.0000e-005	6.0000e-005	7.1000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1619	0.1619	0.0000	0.0000	0.1634
<b>Total</b>	<b>9.0000e-005</b>	<b>6.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.1619</b>	<b>0.1619</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1634</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 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	9.4800e-003	0.0963	0.1065	1.7000e-004		4.8000e-003	4.8000e-003		4.4200e-003	4.4200e-003	0.0000	15.0313	15.0313	4.8600e-003	0.0000	15.1528
<b>Total</b>	<b>9.4800e-003</b>	<b>0.0963</b>	<b>0.1065</b>	<b>1.7000e-004</b>		<b>4.8000e-003</b>	<b>4.8000e-003</b>		<b>4.4200e-003</b>	<b>4.4200e-003</b>	<b>0.0000</b>	<b>15.0313</b>	<b>15.0313</b>	<b>4.8600e-003</b>	<b>0.0000</b>	<b>15.1528</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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	2.0000e-005	4.6000e-004	2.5000e-004	0.0000	7.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2110	0.2110	0.0000	3.0000e-005	0.2199
Worker	1.6000e-004	1.0000e-004	1.2800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2913	0.2913	1.0000e-005	1.0000e-005	0.2942
<b>Total</b>	<b>1.8000e-004</b>	<b>5.6000e-004</b>	<b>1.5300e-003</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>4.5000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.5023</b>	<b>0.5023</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.5140</b>

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**3.3 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.4800e-003	0.0963	0.1065	1.7000e-004		4.8000e-003	4.8000e-003		4.4200e-003	4.4200e-003	0.0000	15.0313	15.0313	4.8600e-003	0.0000	15.1528
<b>Total</b>	<b>9.4800e-003</b>	<b>0.0963</b>	<b>0.1065</b>	<b>1.7000e-004</b>		<b>4.8000e-003</b>	<b>4.8000e-003</b>		<b>4.4200e-003</b>	<b>4.4200e-003</b>	<b>0.0000</b>	<b>15.0313</b>	<b>15.0313</b>	<b>4.8600e-003</b>	<b>0.0000</b>	<b>15.1528</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- 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	2.0000e-005	4.6000e-004	2.5000e-004	0.0000	7.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2110	0.2110	0.0000	3.0000e-005	0.2199
Worker	1.6000e-004	1.0000e-004	1.2800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2913	0.2913	1.0000e-005	1.0000e-005	0.2942
<b>Total</b>	<b>1.8000e-004</b>	<b>5.6000e-004</b>	<b>1.5300e-003</b>	<b>0.0000</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>4.5000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.5023</b>	<b>0.5023</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.5140</b>

Sun Ray Naturals - Salton Sea Air Basin, Annual

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**3.4 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	0.0395					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064
<b>Total</b>	<b>0.0405</b>	<b>7.1700e-003</b>	<b>9.9600e-003</b>	<b>2.0000e-005</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.4043</b>	<b>1.4043</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.4064</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0356	0.0356	0.0000	0.0000	0.0360
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0356</b>	<b>0.0356</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0360</b>

Sun Ray Naturals - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0395					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064
<b>Total</b>	<b>0.0405</b>	<b>7.1700e-003</b>	<b>9.9600e-003</b>	<b>2.0000e-005</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>		<b>3.9000e-004</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.4043</b>	<b>1.4043</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.4064</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.6000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0356	0.0356	0.0000	0.0000	0.0360
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0356</b>	<b>0.0356</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0360</b>

Sun Ray Naturals - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0295	0.0443	0.2899	6.6000e-004	0.0669	5.1000e-004	0.0674	0.0178	4.8000e-004	0.0183	0.0000	61.2945	61.2945	2.9900e-003	3.0700e-003	62.2830
Unmitigated	0.0295	0.0443	0.2899	6.6000e-004	0.0669	5.1000e-004	0.0674	0.0178	4.8000e-004	0.0183	0.0000	61.2945	61.2945	2.9900e-003	3.0700e-003	62.2830

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	52.25	52.25	52.25	175,995	175,995
Total	52.25	52.25	52.25	175,995	175,995

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	12.50	4.20	5.40	59.00	28.00	13.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.515135	0.060169	0.185335	0.147842	0.025432	0.007034	0.010598	0.020349	0.000855	0.000237	0.021941	0.000925	0.004146

Sun Ray Naturals - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	343.0790	343.0790	0.0290	3.5100e-003	344.8489
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	343.0790	343.0790	0.0290	3.5100e-003	344.8489
NaturalGas Mitigated	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	13.0653	13.0653	2.5000e-004	2.4000e-004	13.1430
NaturalGas Unmitigated	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	13.0653	13.0653	2.5000e-004	2.4000e-004	13.1430

Sun Ray Naturals - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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					
General Light Industry	244835	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	13.0653	13.0653	2.5000e-004	2.4000e-004	13.1430
<b>Total</b>		<b>1.3200e-003</b>	<b>0.0120</b>	<b>0.0101</b>	<b>7.0000e-005</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>13.0653</b>	<b>13.0653</b>	<b>2.5000e-004</b>	<b>2.4000e-004</b>	<b>13.1430</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	tons/yr										MT/yr					
General Light Industry	244835	1.3200e-003	0.0120	0.0101	7.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	13.0653	13.0653	2.5000e-004	2.4000e-004	13.1430
<b>Total</b>		<b>1.3200e-003</b>	<b>0.0120</b>	<b>0.0101</b>	<b>7.0000e-005</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>13.0653</b>	<b>13.0653</b>	<b>2.5000e-004</b>	<b>2.4000e-004</b>	<b>13.1430</b>



Sun Ray Naturals - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.93452e+006	343.0790	0.0290	3.5100e-003	344.8489
<b>Total</b>		<b>343.0790</b>	<b>0.0290</b>	<b>3.5100e-003</b>	<b>344.8489</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	1.93452e+006	343.0790	0.0290	3.5100e-003	344.8489
<b>Total</b>		<b>343.0790</b>	<b>0.0290</b>	<b>3.5100e-003</b>	<b>344.8489</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Sun Ray Naturals - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0349	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.4000e-004
Unmitigated	0.0349	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.4000e-004

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.4000e-004
<b>Total</b>	<b>0.0349</b>	<b>0.0000</b>	<b>7.0000e-005</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>1.4000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.4000e-004</b>

Sun Ray Naturals - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	5.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	7.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4000e-004	1.4000e-004	0.0000	0.0000	1.4000e-004
<b>Total</b>	<b>0.0349</b>	<b>0.0000</b>	<b>7.0000e-005</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>1.4000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.4000e-004</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Sun Ray Naturals - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.7855	0.0722	1.7500e-003	8.1113
Unmitigated	5.7855	0.0722	1.7500e-003	8.1113

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	2.20277 / 0	5.7855	0.0722	1.7500e-003	8.1113
<b>Total</b>		<b>5.7855</b>	<b>0.0722</b>	<b>1.7500e-003</b>	<b>8.1113</b>

Sun Ray Naturals - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	2.20277 / 0	5.7855	0.0722	1.7500e-003	8.1113
<b>Total</b>		<b>5.7855</b>	<b>0.0722</b>	<b>1.7500e-003</b>	<b>8.1113</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.9061	0.1127	0.0000	4.7223
Unmitigated	1.9061	0.1127	0.0000	4.7223

Sun Ray Naturals - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	9.39	1.9061	0.1127	0.0000	4.7223
<b>Total</b>		<b>1.9061</b>	<b>0.1127</b>	<b>0.0000</b>	<b>4.7223</b>

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	9.39	1.9061	0.1127	0.0000	4.7223
<b>Total</b>		<b>1.9061</b>	<b>0.1127</b>	<b>0.0000</b>	<b>4.7223</b>

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Sun Ray Naturals - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Sun Ray Naturals  
Salton Sea Air Basin, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	7.57	1000sqft	0.17	7,573.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.4	<b>Precipitation Freq (Days)</b>	20
<b>Climate Zone</b>	10			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use - The Project proposes minor interior renovations to an existing building for the construction of a cannabis cultivation facility on 690 Garnet Avenue in north Palm Springs.

Construction Phase - Assumes a 2 month buildout that includes renovating the space, cultivation equipment installation and internal architectural coating.

Demolition - Assumed 2 tons of building material will be removed during renovation including but not limited to: carpet/flooring/dry-wall etc.

On-road Fugitive Dust - The Project site is within an area that is accesible entirely via paved roads.

Architectural Coating - The Project does not propose any exterior improvements that would result in outside architectural coating.

Vehicle Trips - Adjusted daily trip metrics per the VMT and traffic analysis. Due to the Project land use, adjusted primary trip rate to 100%.

Road Dust - The Project site and surrounding area are entirely paved.

Consumer Products -

Energy Use - Based on the facility configuration and equipment selection as described above, the Sun Ray Natural facility is expected to have an annual enegy consupion of 1,874 MWh

Water And Wastewater - Assumes 1 cannabis plant requires 2.5 gallons of water per day, 365 days a year. The Project includes 2,414 plants.



Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Parking	150.00	0.00
tblConstructionPhase	NumDays	5.00	11.00
tblConstructionPhase	NumDays	100.00	30.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	PhaseEndDate	6/21/2023	3/1/2023
tblConstructionPhase	PhaseEndDate	6/7/2023	3/1/2023
tblConstructionPhase	PhaseEndDate	1/13/2023	1/6/2023
tblConstructionPhase	PhaseStartDate	6/15/2023	2/15/2023
tblEnergyUse	T24E	1.97	247.50
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	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.99	6.90
tblVehicleTrips	SU_TR	5.00	6.90
tblVehicleTrips	WD_TR	4.96	6.90
tblWater	IndoorWaterUseRate	1,750,562.50	2,202,775.00



Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.1910	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6600e-003	1.6600e-003	0.0000		1.7700e-003
Energy	7.2300e-003	0.0658	0.0552	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.9154	78.9154	1.5100e-003	1.4500e-003	79.3844
Mobile	0.2069	0.2317	1.8963	3.9200e-003	0.3717	2.8300e-003	0.3745	0.0991	2.6500e-003	0.1018		399.0147	399.0147	0.0184	0.0185	404.9769
<b>Total</b>	<b>0.4051</b>	<b>0.2975</b>	<b>1.9523</b>	<b>4.3100e-003</b>	<b>0.3717</b>	<b>7.8300e-003</b>	<b>0.3795</b>	<b>0.0991</b>	<b>7.6500e-003</b>	<b>0.1068</b>		<b>477.9318</b>	<b>477.9318</b>	<b>0.0199</b>	<b>0.0199</b>	<b>484.3631</b>

**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	0.1910	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6600e-003	1.6600e-003	0.0000		1.7700e-003
Energy	7.2300e-003	0.0658	0.0552	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.9154	78.9154	1.5100e-003	1.4500e-003	79.3844
Mobile	0.2069	0.2317	1.8963	3.9200e-003	0.3717	2.8300e-003	0.3745	0.0991	2.6500e-003	0.1018		399.0147	399.0147	0.0184	0.0185	404.9769
<b>Total</b>	<b>0.4051</b>	<b>0.2975</b>	<b>1.9523</b>	<b>4.3100e-003</b>	<b>0.3717</b>	<b>7.8300e-003</b>	<b>0.3795</b>	<b>0.0991</b>	<b>7.6500e-003</b>	<b>0.1068</b>		<b>477.9318</b>	<b>477.9318</b>	<b>0.0199</b>	<b>0.0199</b>	<b>484.3631</b>

Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	Demolition	Demolition	1/1/2023	1/6/2023	5	5	
2	Building Construction	Building Construction	1/19/2023	3/1/2023	5	30	
3	Architectural Coating	Architectural Coating	2/15/2023	3/1/2023	5	11	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 11,360; Non-Residential Outdoor: 3,787; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37

**Trips and VMT**

Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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
Demolition	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	3.00	1.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Demolition - 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					
Fugitive Dust					8.8900e-003	0.0000	8.8900e-003	1.3500e-003	0.0000	1.3500e-003			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698		1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>8.8900e-003</b>	<b>0.2821</b>	<b>0.2910</b>	<b>1.3500e-003</b>	<b>0.2698</b>	<b>0.2712</b>		<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Demolition - 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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0437	0.0225	0.3558	7.7000e-004	0.0837	4.1000e-004	0.0841	0.0222	3.8000e-004	0.0226		78.2712	78.2712	2.2400e-003	2.1600e-003	78.9702
<b>Total</b>	<b>0.0437</b>	<b>0.0225</b>	<b>0.3558</b>	<b>7.7000e-004</b>	<b>0.0837</b>	<b>4.1000e-004</b>	<b>0.0841</b>	<b>0.0222</b>	<b>3.8000e-004</b>	<b>0.0226</b>		<b>78.2712</b>	<b>78.2712</b>	<b>2.2400e-003</b>	<b>2.1600e-003</b>	<b>78.9702</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					8.8900e-003	0.0000	8.8900e-003	1.3500e-003	0.0000	1.3500e-003			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698	0.0000	1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>8.8900e-003</b>	<b>0.2821</b>	<b>0.2910</b>	<b>1.3500e-003</b>	<b>0.2698</b>	<b>0.2712</b>	<b>0.0000</b>	<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Demolition - 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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0437	0.0225	0.3558	7.7000e-004	0.0837	4.1000e-004	0.0841	0.0222	3.8000e-004	0.0226		78.2712	78.2712	2.2400e-003	2.1600e-003	78.9702
<b>Total</b>	<b>0.0437</b>	<b>0.0225</b>	<b>0.3558</b>	<b>7.7000e-004</b>	<b>0.0837</b>	<b>4.1000e-004</b>	<b>0.0841</b>	<b>0.0222</b>	<b>3.8000e-004</b>	<b>0.0226</b>		<b>78.2712</b>	<b>78.2712</b>	<b>2.2400e-003</b>	<b>2.1600e-003</b>	<b>78.9702</b>

**3.3 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	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946		1,104.6089	1,104.6089	0.3573		1,113.5402
<b>Total</b>	<b>0.6322</b>	<b>6.4186</b>	<b>7.0970</b>	<b>0.0114</b>		<b>0.3203</b>	<b>0.3203</b>		<b>0.2946</b>	<b>0.2946</b>		<b>1,104.6089</b>	<b>1,104.6089</b>	<b>0.3573</b>		<b>1,113.5402</b>



Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 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	0.0000
Vendor	1.4800e-003	0.0289	0.0166	1.5000e-004	5.0200e-003	2.2000e-004	5.2500e-003	1.4500e-003	2.1000e-004	1.6600e-003		15.4814	15.4814	1.2000e-004	2.1700e-003	16.1308
Worker	0.0131	6.7500e-003	0.1067	2.3000e-004	0.0251	1.2000e-004	0.0252	6.6600e-003	1.1000e-004	6.7700e-003		23.4814	23.4814	6.7000e-004	6.5000e-004	23.6911
<b>Total</b>	<b>0.0146</b>	<b>0.0356</b>	<b>0.1234</b>	<b>3.8000e-004</b>	<b>0.0301</b>	<b>3.4000e-004</b>	<b>0.0305</b>	<b>8.1100e-003</b>	<b>3.2000e-004</b>	<b>8.4300e-003</b>		<b>38.9628</b>	<b>38.9628</b>	<b>7.9000e-004</b>	<b>2.8200e-003</b>	<b>39.8218</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	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946	0.0000	1,104.6089	1,104.6089	0.3573		1,113.5402
<b>Total</b>	<b>0.6322</b>	<b>6.4186</b>	<b>7.0970</b>	<b>0.0114</b>		<b>0.3203</b>	<b>0.3203</b>		<b>0.2946</b>	<b>0.2946</b>	<b>0.0000</b>	<b>1,104.6089</b>	<b>1,104.6089</b>	<b>0.3573</b>		<b>1,113.5402</b>

Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 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	0.0000
Vendor	1.4800e-003	0.0289	0.0166	1.5000e-004	5.0200e-003	2.2000e-004	5.2500e-003	1.4500e-003	2.1000e-004	1.6600e-003		15.4814	15.4814	1.2000e-004	2.1700e-003	16.1308
Worker	0.0131	6.7500e-003	0.1067	2.3000e-004	0.0251	1.2000e-004	0.0252	6.6600e-003	1.1000e-004	6.7700e-003		23.4814	23.4814	6.7000e-004	6.5000e-004	23.6911
<b>Total</b>	<b>0.0146</b>	<b>0.0356</b>	<b>0.1234</b>	<b>3.8000e-004</b>	<b>0.0301</b>	<b>3.4000e-004</b>	<b>0.0305</b>	<b>8.1100e-003</b>	<b>3.2000e-004</b>	<b>8.4300e-003</b>		<b>38.9628</b>	<b>38.9628</b>	<b>7.9000e-004</b>	<b>2.8200e-003</b>	<b>39.8218</b>

**3.4 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	7.1800					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
<b>Total</b>	<b>7.3717</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3700e-003	2.2500e-003	0.0356	8.0000e-005	8.3700e-003	4.0000e-005	8.4100e-003	2.2200e-003	4.0000e-005	2.2600e-003		7.8271	7.8271	2.2000e-004	2.2000e-004	7.8970
<b>Total</b>	<b>4.3700e-003</b>	<b>2.2500e-003</b>	<b>0.0356</b>	<b>8.0000e-005</b>	<b>8.3700e-003</b>	<b>4.0000e-005</b>	<b>8.4100e-003</b>	<b>2.2200e-003</b>	<b>4.0000e-005</b>	<b>2.2600e-003</b>		<b>7.8271</b>	<b>7.8271</b>	<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>7.8970</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					
Archit. Coating	7.1800					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
<b>Total</b>	<b>7.3717</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3700e-003	2.2500e-003	0.0356	8.0000e-005	8.3700e-003	4.0000e-005	8.4100e-003	2.2200e-003	4.0000e-005	2.2600e-003		7.8271	7.8271	2.2000e-004	2.2000e-004	7.8970
<b>Total</b>	<b>4.3700e-003</b>	<b>2.2500e-003</b>	<b>0.0356</b>	<b>8.0000e-005</b>	<b>8.3700e-003</b>	<b>4.0000e-005</b>	<b>8.4100e-003</b>	<b>2.2200e-003</b>	<b>4.0000e-005</b>	<b>2.2600e-003</b>		<b>7.8271</b>	<b>7.8271</b>	<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>7.8970</b>

Sun Ray Naturals - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.2069	0.2317	1.8963	3.9200e-003	0.3717	2.8300e-003	0.3745	0.0991	2.6500e-003	0.1018		399.0147	399.0147	0.0184	0.0185	404.9769
Unmitigated	0.2069	0.2317	1.8963	3.9200e-003	0.3717	2.8300e-003	0.3745	0.0991	2.6500e-003	0.1018		399.0147	399.0147	0.0184	0.0185	404.9769

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	52.25	52.25	52.25	175,995	175,995
Total	52.25	52.25	52.25	175,995	175,995

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	12.50	4.20	5.40	59.00	28.00	13.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.515135	0.060169	0.185335	0.147842	0.025432	0.007034	0.010598	0.020349	0.000855	0.000237	0.021941	0.000925	0.004146

Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	7.2300e-003	0.0658	0.0552	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.9154	78.9154	1.5100e-003	1.4500e-003	79.3844
NaturalGas Unmitigated	7.2300e-003	0.0658	0.0552	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.9154	78.9154	1.5100e-003	1.4500e-003	79.3844

**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	670.781	7.2300e-003	0.0658	0.0552	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.9154	78.9154	1.5100e-003	1.4500e-003	79.3844
<b>Total</b>		<b>7.2300e-003</b>	<b>0.0658</b>	<b>0.0552</b>	<b>3.9000e-004</b>		<b>5.0000e-003</b>	<b>5.0000e-003</b>		<b>5.0000e-003</b>	<b>5.0000e-003</b>		<b>78.9154</b>	<b>78.9154</b>	<b>1.5100e-003</b>	<b>1.4500e-003</b>	<b>79.3844</b>

Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.670781	7.2300e-003	0.0658	0.0552	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.9154	78.9154	1.5100e-003	1.4500e-003	79.3844
<b>Total</b>		<b>7.2300e-003</b>	<b>0.0658</b>	<b>0.0552</b>	<b>3.9000e-004</b>		<b>5.0000e-003</b>	<b>5.0000e-003</b>		<b>5.0000e-003</b>	<b>5.0000e-003</b>		<b>78.9154</b>	<b>78.9154</b>	<b>1.5100e-003</b>	<b>1.4500e-003</b>	<b>79.3844</b>

**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	0.1910	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6600e-003	1.6600e-003	0.0000		1.7700e-003
Unmitigated	0.1910	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6600e-003	1.6600e-003	0.0000		1.7700e-003

Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0289					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1621					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6600e-003	1.6600e-003	0.0000		1.7700e-003
<b>Total</b>	<b>0.1910</b>	<b>1.0000e-005</b>	<b>7.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>1.6600e-003</b>	<b>1.6600e-003</b>	<b>0.0000</b>		<b>1.7700e-003</b>



Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0289					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1621					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6600e-003	1.6600e-003	0.0000		1.7700e-003
<b>Total</b>	<b>0.1910</b>	<b>1.0000e-005</b>	<b>7.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>1.6600e-003</b>	<b>1.6600e-003</b>	<b>0.0000</b>		<b>1.7700e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Sun Ray Naturals - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Sun Ray Naturals  
Salton Sea Air Basin, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	7.57	1000sqft	0.17	7,573.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.4	<b>Precipitation Freq (Days)</b>	20
<b>Climate Zone</b>	10			<b>Operational Year</b>	2023
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use - The Project proposes minor interior renovations to an existing building for the construction of a cannabis cultivation facility on 690 Garnet Avenue in north Palm Springs.

Construction Phase - Assumes a 2 month buildout that includes renovating the space, cultivation equipment installation and internal architectural coating.

Demolition - Assumed 2 tons of building material will be removed during renovation including but not limited to: carpet/flooring/dry-wall etc.

On-road Fugitive Dust - The Project site is within an area that is accesible entirely via paved roads.

Architectural Coating - The Project does not propose any exterior improvements that would result in outside architectural coating.

Vehicle Trips - Adjusted daily trip metrics per the VMT and traffic analysis. Due to the Project land use, adjusted primary trip rate to 100%.

Road Dust - The Project site and surrounding area are entirely paved.

Consumer Products -

Energy Use - Based on the facility configuration and equipment selection as described above, the Sun Ray Natural facility is expected to have an annual enegy consupion of 1,874 MWh

Water And Wastewater - Assumes 1 cannabis plant requires 2.5 gallons of water per day, 365 days a year. The Project includes 2,414 plants.

## Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	0.00
tblArchitecturalCoating	EF_Parking	150.00	0.00
tblConstructionPhase	NumDays	5.00	11.00
tblConstructionPhase	NumDays	100.00	30.00
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	PhaseEndDate	6/21/2023	3/1/2023
tblConstructionPhase	PhaseEndDate	6/7/2023	3/1/2023
tblConstructionPhase	PhaseEndDate	1/13/2023	1/6/2023
tblConstructionPhase	PhaseStartDate	6/15/2023	2/15/2023
tblEnergyUse	T24E	1.97	247.50
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	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.99	6.90
tblVehicleTrips	SU_TR	5.00	6.90
tblVehicleTrips	WD_TR	4.96	6.90
tblWater	IndoorWaterUseRate	1,750,562.50	2,202,775.00



Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.1910	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6600e-003	1.6600e-003	0.0000		1.7700e-003
Energy	7.2300e-003	0.0658	0.0552	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.9154	78.9154	1.5100e-003	1.4500e-003	79.3844
Mobile	0.1414	0.2507	1.5019	3.4700e-003	0.3717	2.8300e-003	0.3745	0.0991	2.6500e-003	0.1018		353.3928	353.3928	0.0188	0.0189	359.4807
<b>Total</b>	<b>0.3396</b>	<b>0.3165</b>	<b>1.5579</b>	<b>3.8600e-003</b>	<b>0.3717</b>	<b>7.8300e-003</b>	<b>0.3795</b>	<b>0.0991</b>	<b>7.6500e-003</b>	<b>0.1068</b>		<b>432.3099</b>	<b>432.3099</b>	<b>0.0203</b>	<b>0.0203</b>	<b>438.8668</b>

**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	0.1910	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6600e-003	1.6600e-003	0.0000		1.7700e-003
Energy	7.2300e-003	0.0658	0.0552	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.9154	78.9154	1.5100e-003	1.4500e-003	79.3844
Mobile	0.1414	0.2507	1.5019	3.4700e-003	0.3717	2.8300e-003	0.3745	0.0991	2.6500e-003	0.1018		353.3928	353.3928	0.0188	0.0189	359.4807
<b>Total</b>	<b>0.3396</b>	<b>0.3165</b>	<b>1.5579</b>	<b>3.8600e-003</b>	<b>0.3717</b>	<b>7.8300e-003</b>	<b>0.3795</b>	<b>0.0991</b>	<b>7.6500e-003</b>	<b>0.1068</b>		<b>432.3099</b>	<b>432.3099</b>	<b>0.0203</b>	<b>0.0203</b>	<b>438.8668</b>

Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	ROG	NOx	CO	SO2	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	Demolition	Demolition	1/1/2023	1/6/2023	5	5	
2	Building Construction	Building Construction	1/19/2023	3/1/2023	5	30	
3	Architectural Coating	Architectural Coating	2/15/2023	3/1/2023	5	11	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 11,360; Non-Residential Outdoor: 3,787; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37

**Trips and VMT**



Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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
Demolition	4	10.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	3.00	1.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Demolition - 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					
Fugitive Dust					8.8900e-003	0.0000	8.8900e-003	1.3500e-003	0.0000	1.3500e-003			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698		1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>8.8900e-003</b>	<b>0.2821</b>	<b>0.2910</b>	<b>1.3500e-003</b>	<b>0.2698</b>	<b>0.2712</b>		<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Demolition - 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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0333	0.0231	0.2539	6.6000e-004	0.0837	4.1000e-004	0.0841	0.0222	3.8000e-004	0.0226		66.7154	66.7154	2.2400e-003	2.1800e-003	67.4220
<b>Total</b>	<b>0.0333</b>	<b>0.0231</b>	<b>0.2539</b>	<b>6.6000e-004</b>	<b>0.0837</b>	<b>4.1000e-004</b>	<b>0.0841</b>	<b>0.0222</b>	<b>3.8000e-004</b>	<b>0.0226</b>		<b>66.7154</b>	<b>66.7154</b>	<b>2.2400e-003</b>	<b>2.1800e-003</b>	<b>67.4220</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					8.8900e-003	0.0000	8.8900e-003	1.3500e-003	0.0000	1.3500e-003			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698	0.0000	1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>8.8900e-003</b>	<b>0.2821</b>	<b>0.2910</b>	<b>1.3500e-003</b>	<b>0.2698</b>	<b>0.2712</b>	<b>0.0000</b>	<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Demolition - 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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0333	0.0231	0.2539	6.6000e-004	0.0837	4.1000e-004	0.0841	0.0222	3.8000e-004	0.0226		66.7154	66.7154	2.2400e-003	2.1800e-003	67.4220
<b>Total</b>	<b>0.0333</b>	<b>0.0231</b>	<b>0.2539</b>	<b>6.6000e-004</b>	<b>0.0837</b>	<b>4.1000e-004</b>	<b>0.0841</b>	<b>0.0222</b>	<b>3.8000e-004</b>	<b>0.0226</b>		<b>66.7154</b>	<b>66.7154</b>	<b>2.2400e-003</b>	<b>2.1800e-003</b>	<b>67.4220</b>

**3.3 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	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946		1,104.6089	1,104.6089	0.3573		1,113.5402
<b>Total</b>	<b>0.6322</b>	<b>6.4186</b>	<b>7.0970</b>	<b>0.0114</b>		<b>0.3203</b>	<b>0.3203</b>		<b>0.2946</b>	<b>0.2946</b>		<b>1,104.6089</b>	<b>1,104.6089</b>	<b>0.3573</b>		<b>1,113.5402</b>

Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 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	0.0000
Vendor	1.3600e-003	0.0314	0.0173	1.5000e-004	5.0200e-003	2.3000e-004	5.2500e-003	1.4500e-003	2.2000e-004	1.6600e-003		15.5378	15.5378	1.2000e-004	2.1800e-003	16.1910
Worker	0.0100	6.9300e-003	0.0762	2.0000e-004	0.0251	1.2000e-004	0.0252	6.6600e-003	1.1000e-004	6.7700e-003		20.0146	20.0146	6.7000e-004	6.6000e-004	20.2266
<b>Total</b>	<b>0.0114</b>	<b>0.0383</b>	<b>0.0935</b>	<b>3.5000e-004</b>	<b>0.0301</b>	<b>3.5000e-004</b>	<b>0.0305</b>	<b>8.1100e-003</b>	<b>3.3000e-004</b>	<b>8.4300e-003</b>		<b>35.5524</b>	<b>35.5524</b>	<b>7.9000e-004</b>	<b>2.8400e-003</b>	<b>36.4177</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	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946	0.0000	1,104.6089	1,104.6089	0.3573		1,113.5402
<b>Total</b>	<b>0.6322</b>	<b>6.4186</b>	<b>7.0970</b>	<b>0.0114</b>		<b>0.3203</b>	<b>0.3203</b>		<b>0.2946</b>	<b>0.2946</b>	<b>0.0000</b>	<b>1,104.6089</b>	<b>1,104.6089</b>	<b>0.3573</b>		<b>1,113.5402</b>

Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 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	0.0000
Vendor	1.3600e-003	0.0314	0.0173	1.5000e-004	5.0200e-003	2.3000e-004	5.2500e-003	1.4500e-003	2.2000e-004	1.6600e-003		15.5378	15.5378	1.2000e-004	2.1800e-003	16.1910
Worker	0.0100	6.9300e-003	0.0762	2.0000e-004	0.0251	1.2000e-004	0.0252	6.6600e-003	1.1000e-004	6.7700e-003		20.0146	20.0146	6.7000e-004	6.6000e-004	20.2266
<b>Total</b>	<b>0.0114</b>	<b>0.0383</b>	<b>0.0935</b>	<b>3.5000e-004</b>	<b>0.0301</b>	<b>3.5000e-004</b>	<b>0.0305</b>	<b>8.1100e-003</b>	<b>3.3000e-004</b>	<b>8.4300e-003</b>		<b>35.5524</b>	<b>35.5524</b>	<b>7.9000e-004</b>	<b>2.8400e-003</b>	<b>36.4177</b>

**3.4 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	7.1800					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
<b>Total</b>	<b>7.3717</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3300e-003	2.3100e-003	0.0254	7.0000e-005	8.3700e-003	4.0000e-005	8.4100e-003	2.2200e-003	4.0000e-005	2.2600e-003		6.6715	6.6715	2.2000e-004	2.2000e-004	6.7422
<b>Total</b>	<b>3.3300e-003</b>	<b>2.3100e-003</b>	<b>0.0254</b>	<b>7.0000e-005</b>	<b>8.3700e-003</b>	<b>4.0000e-005</b>	<b>8.4100e-003</b>	<b>2.2200e-003</b>	<b>4.0000e-005</b>	<b>2.2600e-003</b>		<b>6.6715</b>	<b>6.6715</b>	<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>6.7422</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					
Archit. Coating	7.1800					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
<b>Total</b>	<b>7.3717</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3300e-003	2.3100e-003	0.0254	7.0000e-005	8.3700e-003	4.0000e-005	8.4100e-003	2.2200e-003	4.0000e-005	2.2600e-003		6.6715	6.6715	2.2000e-004	2.2000e-004	6.7422
<b>Total</b>	<b>3.3300e-003</b>	<b>2.3100e-003</b>	<b>0.0254</b>	<b>7.0000e-005</b>	<b>8.3700e-003</b>	<b>4.0000e-005</b>	<b>8.4100e-003</b>	<b>2.2200e-003</b>	<b>4.0000e-005</b>	<b>2.2600e-003</b>		<b>6.6715</b>	<b>6.6715</b>	<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>6.7422</b>

Sun Ray Naturals - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1414	0.2507	1.5019	3.4700e-003	0.3717	2.8300e-003	0.3745	0.0991	2.6500e-003	0.1018		353.3928	353.3928	0.0188	0.0189	359.4807
Unmitigated	0.1414	0.2507	1.5019	3.4700e-003	0.3717	2.8300e-003	0.3745	0.0991	2.6500e-003	0.1018		353.3928	353.3928	0.0188	0.0189	359.4807

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	52.25	52.25	52.25	175,995	175,995
Total	52.25	52.25	52.25	175,995	175,995

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	12.50	4.20	5.40	59.00	28.00	13.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.515135	0.060169	0.185335	0.147842	0.025432	0.007034	0.010598	0.020349	0.000855	0.000237	0.021941	0.000925	0.004146



Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	7.2300e-003	0.0658	0.0552	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.9154	78.9154	1.5100e-003	1.4500e-003	79.3844
NaturalGas Unmitigated	7.2300e-003	0.0658	0.0552	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.9154	78.9154	1.5100e-003	1.4500e-003	79.3844

**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	670.781	7.2300e-003	0.0658	0.0552	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.9154	78.9154	1.5100e-003	1.4500e-003	79.3844
<b>Total</b>		<b>7.2300e-003</b>	<b>0.0658</b>	<b>0.0552</b>	<b>3.9000e-004</b>		<b>5.0000e-003</b>	<b>5.0000e-003</b>		<b>5.0000e-003</b>	<b>5.0000e-003</b>		<b>78.9154</b>	<b>78.9154</b>	<b>1.5100e-003</b>	<b>1.4500e-003</b>	<b>79.3844</b>

Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.670781	7.2300e-003	0.0658	0.0552	3.9000e-004		5.0000e-003	5.0000e-003		5.0000e-003	5.0000e-003		78.9154	78.9154	1.5100e-003	1.4500e-003	79.3844
<b>Total</b>		<b>7.2300e-003</b>	<b>0.0658</b>	<b>0.0552</b>	<b>3.9000e-004</b>		<b>5.0000e-003</b>	<b>5.0000e-003</b>		<b>5.0000e-003</b>	<b>5.0000e-003</b>		<b>78.9154</b>	<b>78.9154</b>	<b>1.5100e-003</b>	<b>1.4500e-003</b>	<b>79.3844</b>

**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	0.1910	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6600e-003	1.6600e-003	0.0000		1.7700e-003
Unmitigated	0.1910	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6600e-003	1.6600e-003	0.0000		1.7700e-003

Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0289					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1621					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6600e-003	1.6600e-003	0.0000		1.7700e-003
<b>Total</b>	<b>0.1910</b>	<b>1.0000e-005</b>	<b>7.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>1.6600e-003</b>	<b>1.6600e-003</b>	<b>0.0000</b>		<b>1.7700e-003</b>

Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0289					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1621					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.0000e-005	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.6600e-003	1.6600e-003	0.0000		1.7700e-003
<b>Total</b>	<b>0.1910</b>	<b>1.0000e-005</b>	<b>7.7000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>1.6600e-003</b>	<b>1.6600e-003</b>	<b>0.0000</b>		<b>1.7700e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Sun Ray Naturals - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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