

## Appendix A

### CalEEMOD Air Quality and GHG Modeling

Prepared by  
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April 15, 2022



DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**DHS Development  
Salton Sea Air Basin, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	122.81	1000sqft	2.82	122,811.00	0
Parking Lot	153.36	1000sqft	3.52	153,360.00	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>	2024
<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 - Development of cannabis cultivation facility on the east side of Little Morongo Road.

Construction Phase - Assumes a 2 year buildout from 2022-2024. Assumes paving, building, and arch coating will occur simultaneously and/or gradually as buildings are completed.

On-road Fugitive Dust - All roadways accessing the site are paved.

Grading - Per preliminary grading plans. cut = 10,571CY and fill=17,040CY for net import of 6,469CY.

Vehicle Trips - Trip rate of 6.08 TSF used per project specific Traffic Impact Analysis.

Road Dust - All roads will be paved at operation.

Water And Wastewater - Per project ISMND, total annual water use is expected to be 16.3 AFY which equals 5,311,370 gallons per year.

Construction Off-road Equipment Mitigation - Assumes compliance with SCAQMD Rule 403.1 Dust Control Plan for Coachella Valley.

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Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	20.00	87.00
tblConstructionPhase	NumDays	230.00	400.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	10.00	30.00
tblGrading	AcresOfGrading	60.00	8.50
tblGrading	AcresOfGrading	45.00	8.50
tblGrading	MaterialImported	0.00	6,469.00
tblLandUse	LandUseSquareFeet	122,810.00	122,811.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	2.54	6.08

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblVehicleTrips	SU_TR	1.24	6.08
tblVehicleTrips	WD_TR	3.37	6.08
tblWater	IndoorWaterUseRate	28,399,812.50	5,311,370.00

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1802	1.7289	1.4429	3.0700e-003	0.5116	0.0793	0.5908	0.2629	0.0735	0.3364	0.0000	273.4318	273.4318	0.0603	7.3100e-003	277.1159
2023	0.2871	2.2359	2.8657	5.7900e-003	0.1556	0.1006	0.2562	0.0420	0.0945	0.1365	0.0000	513.9987	513.9987	0.0850	0.0145	520.4539
2024	0.9708	0.6346	0.8756	1.7900e-003	0.0538	0.0269	0.0807	0.0145	0.0254	0.0399	0.0000	159.4998	159.4998	0.0229	4.3500e-003	161.3678
<b>Maximum</b>	<b>0.9708</b>	<b>2.2359</b>	<b>2.8657</b>	<b>5.7900e-003</b>	<b>0.5116</b>	<b>0.1006</b>	<b>0.5908</b>	<b>0.2629</b>	<b>0.0945</b>	<b>0.3364</b>	<b>0.0000</b>	<b>513.9987</b>	<b>513.9987</b>	<b>0.0850</b>	<b>0.0145</b>	<b>520.4539</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1802	1.7289	1.4429	3.0700e-003	0.2578	0.0793	0.3371	0.1258	0.0735	0.1993	0.0000	273.4315	273.4315	0.0603	7.3100e-003	277.1157
2023	0.2871	2.2359	2.8657	5.7900e-003	0.1556	0.1006	0.2562	0.0420	0.0945	0.1365	0.0000	513.9983	513.9983	0.0850	0.0145	520.4535
2024	0.9708	0.6346	0.8756	1.7900e-003	0.0538	0.0269	0.0807	0.0145	0.0254	0.0399	0.0000	159.4997	159.4997	0.0229	4.3500e-003	161.3677
<b>Maximum</b>	<b>0.9708</b>	<b>2.2359</b>	<b>2.8657</b>	<b>5.7900e-003</b>	<b>0.2578</b>	<b>0.1006</b>	<b>0.3371</b>	<b>0.1258</b>	<b>0.0945</b>	<b>0.1993</b>	<b>0.0000</b>	<b>513.9983</b>	<b>513.9983</b>	<b>0.0850</b>	<b>0.0145</b>	<b>520.4535</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	35.19	0.00	27.35	42.94	0.00	26.74	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2022	8-31-2022	0.9844	0.9844
2	9-1-2022	11-30-2022	0.7020	0.7020
3	12-1-2022	2-28-2023	0.6006	0.6006
4	3-1-2023	5-31-2023	0.5944	0.5944
5	6-1-2023	8-31-2023	0.5945	0.5945
6	9-1-2023	11-30-2023	0.7621	0.7621
7	12-1-2023	2-29-2024	0.7910	0.7910
8	3-1-2024	5-31-2024	1.0047	1.0047
9	6-1-2024	8-31-2024	0.0078	0.0078
		Highest	1.0047	1.0047

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Area	0.5784	2.0000e-005	2.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9300e-003	4.9300e-003	1.0000e-005	0.0000	5.2600e-003
Energy	2.2700e-003	0.0207	0.0174	1.2000e-004		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	232.1563	232.1563	0.0181	2.5600e-003	233.3716
Mobile	0.3794	0.5212	3.4377	7.7700e-003	0.8001	6.0600e-003	0.8062	0.2136	5.6700e-003	0.2193	0.0000	729.0356	729.0356	0.0368	0.0366	740.8525
Waste						0.0000	0.0000		0.0000	0.0000	30.9115	0.0000	30.9115	1.8268	0.0000	76.5818
Water						0.0000	0.0000		0.0000	0.0000	1.6851	12.2651	13.9502	0.1741	4.2100e-003	19.5580
<b>Total</b>	<b>0.9601</b>	<b>0.5419</b>	<b>3.4576</b>	<b>7.8900e-003</b>	<b>0.8001</b>	<b>7.6400e-003</b>	<b>0.8078</b>	<b>0.2136</b>	<b>7.2500e-003</b>	<b>0.2208</b>	<b>32.5965</b>	<b>973.4620</b>	<b>1,006.0585</b>	<b>2.0559</b>	<b>0.0433</b>	<b>1,070.3691</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.5784	2.0000e-005	2.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9300e-003	4.9300e-003	1.0000e-005	0.0000	5.2600e-003
Energy	2.2700e-003	0.0207	0.0174	1.2000e-004		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	232.1563	232.1563	0.0181	2.5600e-003	233.3716
Mobile	0.3794	0.5212	3.4377	7.7700e-003	0.8001	6.0600e-003	0.8062	0.2136	5.6700e-003	0.2193	0.0000	729.0356	729.0356	0.0368	0.0366	740.8525
Waste						0.0000	0.0000		0.0000	0.0000	30.9115	0.0000	30.9115	1.8268	0.0000	76.5818
Water						0.0000	0.0000		0.0000	0.0000	1.6851	12.2651	13.9502	0.1741	4.2100e-003	19.5580
<b>Total</b>	<b>0.9601</b>	<b>0.5419</b>	<b>3.4576</b>	<b>7.8900e-003</b>	<b>0.8001</b>	<b>7.6400e-003</b>	<b>0.8078</b>	<b>0.2136</b>	<b>7.2500e-003</b>	<b>0.2208</b>	<b>32.5965</b>	<b>973.4620</b>	<b>1,006.0585</b>	<b>2.0559</b>	<b>0.0433</b>	<b>1,070.3691</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	Site Preparation	Site Preparation	6/1/2022	7/12/2022	5	30	
2	Grading	Grading	7/13/2022	10/4/2022	5	60	
3	Building Construction	Building Construction	10/5/2022	4/16/2024	5	400	



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4	Paving	Paving	10/10/2023	11/20/2023	5	30
5	Architectural Coating	Architectural Coating	2/1/2024	6/1/2024	5	87

**Acres of Grading (Site Preparation Phase): 8.5**

**Acres of Grading (Grading Phase): 8.5**

**Acres of Paving: 3.52**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 184,217; Non-Residential Outdoor: 61,406; Striped Parking Area: 9,202 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

**Trips and VMT**

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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	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	809.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	116.00	45.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2755	0.0000	0.2755	0.1495	0.0000	0.1495	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0476	0.4963	0.2955	5.7000e-004		0.0242	0.0242		0.0223	0.0223	0.0000	50.1591	50.1591	0.0162	0.0000	50.5647
<b>Total</b>	<b>0.0476</b>	<b>0.4963</b>	<b>0.2955</b>	<b>5.7000e-004</b>	<b>0.2755</b>	<b>0.0242</b>	<b>0.2997</b>	<b>0.1495</b>	<b>0.0223</b>	<b>0.1717</b>	<b>0.0000</b>	<b>50.1591</b>	<b>50.1591</b>	<b>0.0162</b>	<b>0.0000</b>	<b>50.5647</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 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	1.0300e-003	6.9000e-004	8.4100e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.8181	1.8181	6.0000e-005	6.0000e-005	1.8366
<b>Total</b>	<b>1.0300e-003</b>	<b>6.9000e-004</b>	<b>8.4100e-003</b>	<b>2.0000e-005</b>	<b>2.2300e-003</b>	<b>1.0000e-005</b>	<b>2.2400e-003</b>	<b>5.9000e-004</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>1.8181</b>	<b>1.8181</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>1.8366</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					0.1240	0.0000	0.1240	0.0673	0.0000	0.0673	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0476	0.4963	0.2955	5.7000e-004		0.0242	0.0242		0.0223	0.0223	0.0000	50.1590	50.1590	0.0162	0.0000	50.5646
<b>Total</b>	<b>0.0476</b>	<b>0.4963</b>	<b>0.2955</b>	<b>5.7000e-004</b>	<b>0.1240</b>	<b>0.0242</b>	<b>0.1482</b>	<b>0.0673</b>	<b>0.0223</b>	<b>0.0895</b>	<b>0.0000</b>	<b>50.1590</b>	<b>50.1590</b>	<b>0.0162</b>	<b>0.0000</b>	<b>50.5646</b>

DHS Development - Salton Sea Air Basin, Annual

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**3.2 Site Preparation - 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	1.0300e-003	6.9000e-004	8.4100e-003	2.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.8181	1.8181	6.0000e-005	6.0000e-005	1.8366
<b>Total</b>	<b>1.0300e-003</b>	<b>6.9000e-004</b>	<b>8.4100e-003</b>	<b>2.0000e-005</b>	<b>2.2300e-003</b>	<b>1.0000e-005</b>	<b>2.2400e-003</b>	<b>5.9000e-004</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>1.8181</b>	<b>1.8181</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>1.8366</b>

**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1858	0.0000	0.1858	0.0999	0.0000	0.0999	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0585	0.6257	0.4582	8.9000e-004		0.0282	0.0282		0.0260	0.0260	0.0000	78.1643	78.1643	0.0253	0.0000	78.7963
<b>Total</b>	<b>0.0585</b>	<b>0.6257</b>	<b>0.4582</b>	<b>8.9000e-004</b>	<b>0.1858</b>	<b>0.0282</b>	<b>0.2140</b>	<b>0.0999</b>	<b>0.0260</b>	<b>0.1259</b>	<b>0.0000</b>	<b>78.1643</b>	<b>78.1643</b>	<b>0.0253</b>	<b>0.0000</b>	<b>78.7963</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Grading - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2300e-003	0.0514	0.0124	2.3000e-004	7.0200e-003	5.7000e-004	7.5900e-003	1.9300e-003	5.5000e-004	2.4800e-003	0.0000	22.0411	22.0411	1.5000e-004	3.4700e-003	23.0782
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7200e-003	1.1500e-003	0.0140	3.0000e-005	3.7200e-003	2.0000e-005	3.7400e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	3.0302	3.0302	1.0000e-004	1.0000e-004	3.0610
<b>Total</b>	<b>2.9500e-003</b>	<b>0.0525</b>	<b>0.0264</b>	<b>2.6000e-004</b>	<b>0.0107</b>	<b>5.9000e-004</b>	<b>0.0113</b>	<b>2.9200e-003</b>	<b>5.7000e-004</b>	<b>3.4900e-003</b>	<b>0.0000</b>	<b>25.0713</b>	<b>25.0713</b>	<b>2.5000e-004</b>	<b>3.5700e-003</b>	<b>26.1392</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					0.0836	0.0000	0.0836	0.0450	0.0000	0.0450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0585	0.6257	0.4582	8.9000e-004		0.0282	0.0282		0.0260	0.0260	0.0000	78.1642	78.1642	0.0253	0.0000	78.7962
<b>Total</b>	<b>0.0585</b>	<b>0.6257</b>	<b>0.4582</b>	<b>8.9000e-004</b>	<b>0.0836</b>	<b>0.0282</b>	<b>0.1119</b>	<b>0.0450</b>	<b>0.0260</b>	<b>0.0709</b>	<b>0.0000</b>	<b>78.1642</b>	<b>78.1642</b>	<b>0.0253</b>	<b>0.0000</b>	<b>78.7962</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Grading - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2300e-003	0.0514	0.0124	2.3000e-004	7.0200e-003	5.7000e-004	7.5900e-003	1.9300e-003	5.5000e-004	2.4800e-003	0.0000	22.0411	22.0411	1.5000e-004	3.4700e-003	23.0782
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7200e-003	1.1500e-003	0.0140	3.0000e-005	3.7200e-003	2.0000e-005	3.7400e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	3.0302	3.0302	1.0000e-004	1.0000e-004	3.0610
<b>Total</b>	<b>2.9500e-003</b>	<b>0.0525</b>	<b>0.0264</b>	<b>2.6000e-004</b>	<b>0.0107</b>	<b>5.9000e-004</b>	<b>0.0113</b>	<b>2.9200e-003</b>	<b>5.7000e-004</b>	<b>3.4900e-003</b>	<b>0.0000</b>	<b>25.0713</b>	<b>25.0713</b>	<b>2.5000e-004</b>	<b>3.5700e-003</b>	<b>26.1392</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	0.0538	0.4919	0.5155	8.5000e-004		0.0255	0.0255		0.0240	0.0240	0.0000	72.9935	72.9935	0.0175	0.0000	73.4306
<b>Total</b>	<b>0.0538</b>	<b>0.4919</b>	<b>0.5155</b>	<b>8.5000e-004</b>		<b>0.0255</b>	<b>0.0255</b>		<b>0.0240</b>	<b>0.0240</b>	<b>0.0000</b>	<b>72.9935</b>	<b>72.9935</b>	<b>0.0175</b>	<b>0.0000</b>	<b>73.4306</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	2.4500e-003	0.0525	0.0251	2.2000e-004	7.0500e-003	6.2000e-004	7.6700e-003	2.0300e-003	5.9000e-004	2.6200e-003	0.0000	20.6206	20.6206	1.7000e-004	2.9100e-003	21.4931
Worker	0.0140	9.3300e-003	0.1139	2.7000e-004	0.0302	1.6000e-004	0.0304	8.0200e-003	1.5000e-004	8.1700e-003	0.0000	24.6050	24.6050	8.0000e-004	7.7000e-004	24.8555
<b>Total</b>	<b>0.0164</b>	<b>0.0618</b>	<b>0.1390</b>	<b>4.9000e-004</b>	<b>0.0373</b>	<b>7.8000e-004</b>	<b>0.0380</b>	<b>0.0101</b>	<b>7.4000e-004</b>	<b>0.0108</b>	<b>0.0000</b>	<b>45.2256</b>	<b>45.2256</b>	<b>9.7000e-004</b>	<b>3.6800e-003</b>	<b>46.3486</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	0.0538	0.4919	0.5155	8.5000e-004		0.0255	0.0255		0.0240	0.0240	0.0000	72.9934	72.9934	0.0175	0.0000	73.4305
<b>Total</b>	<b>0.0538</b>	<b>0.4919</b>	<b>0.5155</b>	<b>8.5000e-004</b>		<b>0.0255</b>	<b>0.0255</b>		<b>0.0240</b>	<b>0.0240</b>	<b>0.0000</b>	<b>72.9934</b>	<b>72.9934</b>	<b>0.0175</b>	<b>0.0000</b>	<b>73.4305</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	2.4500e-003	0.0525	0.0251	2.2000e-004	7.0500e-003	6.2000e-004	7.6700e-003	2.0300e-003	5.9000e-004	2.6200e-003	0.0000	20.6206	20.6206	1.7000e-004	2.9100e-003	21.4931
Worker	0.0140	9.3300e-003	0.1139	2.7000e-004	0.0302	1.6000e-004	0.0304	8.0200e-003	1.5000e-004	8.1700e-003	0.0000	24.6050	24.6050	8.0000e-004	7.7000e-004	24.8555
<b>Total</b>	<b>0.0164</b>	<b>0.0618</b>	<b>0.1390</b>	<b>4.9000e-004</b>	<b>0.0373</b>	<b>7.8000e-004</b>	<b>0.0380</b>	<b>0.0101</b>	<b>7.4000e-004</b>	<b>0.0108</b>	<b>0.0000</b>	<b>45.2256</b>	<b>45.2256</b>	<b>9.7000e-004</b>	<b>3.6800e-003</b>	<b>46.3486</b>

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3462</b>	<b>301.3462</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1383</b>



DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2300e-003	0.1785	0.0988	8.6000e-004	0.0291	1.3100e-003	0.0304	8.4000e-003	1.2600e-003	9.6500e-003	0.0000	82.2858	82.2858	6.3000e-004	0.0116	85.7423
Worker	0.0535	0.0340	0.4300	1.0600e-003	0.1247	6.2000e-004	0.1253	0.0331	5.7000e-004	0.0337	0.0000	98.8515	98.8515	2.9600e-003	2.9400e-003	99.8011
<b>Total</b>	<b>0.0617</b>	<b>0.2125</b>	<b>0.5288</b>	<b>1.9200e-003</b>	<b>0.1538</b>	<b>1.9300e-003</b>	<b>0.1557</b>	<b>0.0415</b>	<b>1.8300e-003</b>	<b>0.0433</b>	<b>0.0000</b>	<b>181.1373</b>	<b>181.1373</b>	<b>3.5900e-003</b>	<b>0.0145</b>	<b>185.5433</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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3458</b>	<b>301.3458</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1380</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2300e-003	0.1785	0.0988	8.6000e-004	0.0291	1.3100e-003	0.0304	8.4000e-003	1.2600e-003	9.6500e-003	0.0000	82.2858	82.2858	6.3000e-004	0.0116	85.7423
Worker	0.0535	0.0340	0.4300	1.0600e-003	0.1247	6.2000e-004	0.1253	0.0331	5.7000e-004	0.0337	0.0000	98.8515	98.8515	2.9600e-003	2.9400e-003	99.8011
<b>Total</b>	<b>0.0617</b>	<b>0.2125</b>	<b>0.5288</b>	<b>1.9200e-003</b>	<b>0.1538</b>	<b>1.9300e-003</b>	<b>0.1557</b>	<b>0.0415</b>	<b>1.8300e-003</b>	<b>0.0433</b>	<b>0.0000</b>	<b>181.1373</b>	<b>181.1373</b>	<b>3.5900e-003</b>	<b>0.0145</b>	<b>185.5433</b>

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0567	0.5176	0.6224	1.0400e-003		0.0236	0.0236		0.0222	0.0222	0.0000	89.2619	89.2619	0.0211	0.0000	89.7896
<b>Total</b>	<b>0.0567</b>	<b>0.5176</b>	<b>0.6224</b>	<b>1.0400e-003</b>		<b>0.0236</b>	<b>0.0236</b>		<b>0.0222</b>	<b>0.0222</b>	<b>0.0000</b>	<b>89.2619</b>	<b>89.2619</b>	<b>0.0211</b>	<b>0.0000</b>	<b>89.7896</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3900e-003	0.0530	0.0287	2.5000e-004	8.6200e-003	3.8000e-004	9.0000e-003	2.4900e-003	3.7000e-004	2.8500e-003	0.0000	24.0400	24.0400	1.8000e-004	3.3600e-003	25.0459
Worker	0.0148	8.9700e-003	0.1190	3.1000e-004	0.0369	1.8000e-004	0.0371	9.8000e-003	1.6000e-004	9.9700e-003	0.0000	28.6687	28.6687	8.0000e-004	8.1000e-004	28.9292
<b>Total</b>	<b>0.0172</b>	<b>0.0620</b>	<b>0.1477</b>	<b>5.6000e-004</b>	<b>0.0455</b>	<b>5.6000e-004</b>	<b>0.0461</b>	<b>0.0123</b>	<b>5.3000e-004</b>	<b>0.0128</b>	<b>0.0000</b>	<b>52.7087</b>	<b>52.7087</b>	<b>9.8000e-004</b>	<b>4.1700e-003</b>	<b>53.9751</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	0.0567	0.5176	0.6224	1.0400e-003		0.0236	0.0236		0.0222	0.0222	0.0000	89.2618	89.2618	0.0211	0.0000	89.7895
<b>Total</b>	<b>0.0567</b>	<b>0.5176</b>	<b>0.6224</b>	<b>1.0400e-003</b>		<b>0.0236</b>	<b>0.0236</b>		<b>0.0222</b>	<b>0.0222</b>	<b>0.0000</b>	<b>89.2618</b>	<b>89.2618</b>	<b>0.0211</b>	<b>0.0000</b>	<b>89.7895</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3900e-003	0.0530	0.0287	2.5000e-004	8.6200e-003	3.8000e-004	9.0000e-003	2.4900e-003	3.7000e-004	2.8500e-003	0.0000	24.0400	24.0400	1.8000e-004	3.3600e-003	25.0459
Worker	0.0148	8.9700e-003	0.1190	3.1000e-004	0.0369	1.8000e-004	0.0371	9.8000e-003	1.6000e-004	9.9700e-003	0.0000	28.6687	28.6687	8.0000e-004	8.1000e-004	28.9292
<b>Total</b>	<b>0.0172</b>	<b>0.0620</b>	<b>0.1477</b>	<b>5.6000e-004</b>	<b>0.0455</b>	<b>5.6000e-004</b>	<b>0.0461</b>	<b>0.0123</b>	<b>5.3000e-004</b>	<b>0.0128</b>	<b>0.0000</b>	<b>52.7087</b>	<b>52.7087</b>	<b>9.8000e-004</b>	<b>4.1700e-003</b>	<b>53.9751</b>

**3.5 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0155	0.1529	0.2188	3.4000e-004		7.6500e-003	7.6500e-003		7.0400e-003	7.0400e-003	0.0000	30.0403	30.0403	9.7200e-003	0.0000	30.2832
Paving	4.6100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0201</b>	<b>0.1529</b>	<b>0.2188</b>	<b>3.4000e-004</b>		<b>7.6500e-003</b>	<b>7.6500e-003</b>		<b>7.0400e-003</b>	<b>7.0400e-003</b>	<b>0.0000</b>	<b>30.0403</b>	<b>30.0403</b>	<b>9.7200e-003</b>	<b>0.0000</b>	<b>30.2832</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	5.1000e-004	6.4200e-003	2.0000e-005	1.8600e-003	1.0000e-005	1.8700e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4749	1.4749	4.0000e-005	4.0000e-005	1.4891
<b>Total</b>	<b>8.0000e-004</b>	<b>5.1000e-004</b>	<b>6.4200e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>1.0000e-005</b>	<b>1.8700e-003</b>	<b>4.9000e-004</b>	<b>1.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.4749</b>	<b>1.4749</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.4891</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	0.0155	0.1529	0.2188	3.4000e-004		7.6500e-003	7.6500e-003		7.0400e-003	7.0400e-003	0.0000	30.0403	30.0403	9.7200e-003	0.0000	30.2832
Paving	4.6100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0201</b>	<b>0.1529</b>	<b>0.2188</b>	<b>3.4000e-004</b>		<b>7.6500e-003</b>	<b>7.6500e-003</b>		<b>7.0400e-003</b>	<b>7.0400e-003</b>	<b>0.0000</b>	<b>30.0403</b>	<b>30.0403</b>	<b>9.7200e-003</b>	<b>0.0000</b>	<b>30.2832</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	5.1000e-004	6.4200e-003	2.0000e-005	1.8600e-003	1.0000e-005	1.8700e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4749	1.4749	4.0000e-005	4.0000e-005	1.4891
<b>Total</b>	<b>8.0000e-004</b>	<b>5.1000e-004</b>	<b>6.4200e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>1.0000e-005</b>	<b>1.8700e-003</b>	<b>4.9000e-004</b>	<b>1.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.4749</b>	<b>1.4749</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.4891</b>

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8858					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8600e-003	0.0530	0.0787	1.3000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	11.1067	11.1067	6.3000e-004	0.0000	11.1223
<b>Total</b>	<b>0.8937</b>	<b>0.0530</b>	<b>0.0787</b>	<b>1.3000e-004</b>		<b>2.6500e-003</b>	<b>2.6500e-003</b>		<b>2.6500e-003</b>	<b>2.6500e-003</b>	<b>0.0000</b>	<b>11.1067</b>	<b>11.1067</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>11.1223</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3100e-003	2.0100e-003	0.0267	7.0000e-005	8.2700e-003	4.0000e-005	8.3100e-003	2.2000e-003	4.0000e-005	2.2300e-003	0.0000	6.4225	6.4225	1.8000e-004	1.8000e-004	6.4809
<b>Total</b>	<b>3.3100e-003</b>	<b>2.0100e-003</b>	<b>0.0267</b>	<b>7.0000e-005</b>	<b>8.2700e-003</b>	<b>4.0000e-005</b>	<b>8.3100e-003</b>	<b>2.2000e-003</b>	<b>4.0000e-005</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>6.4225</b>	<b>6.4225</b>	<b>1.8000e-004</b>	<b>1.8000e-004</b>	<b>6.4809</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					
Archit. Coating	0.8858					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8600e-003	0.0530	0.0787	1.3000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	11.1066	11.1066	6.3000e-004	0.0000	11.1223
<b>Total</b>	<b>0.8937</b>	<b>0.0530</b>	<b>0.0787</b>	<b>1.3000e-004</b>		<b>2.6500e-003</b>	<b>2.6500e-003</b>		<b>2.6500e-003</b>	<b>2.6500e-003</b>	<b>0.0000</b>	<b>11.1066</b>	<b>11.1066</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>11.1223</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3100e-003	2.0100e-003	0.0267	7.0000e-005	8.2700e-003	4.0000e-005	8.3100e-003	2.2000e-003	4.0000e-005	2.2300e-003	0.0000	6.4225	6.4225	1.8000e-004	1.8000e-004	6.4809
<b>Total</b>	<b>3.3100e-003</b>	<b>2.0100e-003</b>	<b>0.0267</b>	<b>7.0000e-005</b>	<b>8.2700e-003</b>	<b>4.0000e-005</b>	<b>8.3100e-003</b>	<b>2.2000e-003</b>	<b>4.0000e-005</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>6.4225</b>	<b>6.4225</b>	<b>1.8000e-004</b>	<b>1.8000e-004</b>	<b>6.4809</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**



DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.3794	0.5212	3.4377	7.7700e-003	0.8001	6.0600e-003	0.8062	0.2136	5.6700e-003	0.2193	0.0000	729.0356	729.0356	0.0368	0.0366	740.8525
Unmitigated	0.3794	0.5212	3.4377	7.7700e-003	0.8001	6.0600e-003	0.8062	0.2136	5.6700e-003	0.2193	0.0000	729.0356	729.0356	0.0368	0.0366	740.8525

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	746.68	746.68	746.68	2,106,775	2,106,775
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>746.68</b>	<b>746.68</b>	<b>746.68</b>	<b>2,106,775</b>	<b>2,106,775</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	12.50	4.20	5.40	59.00	28.00	13.00	79	19	2
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.517338	0.060386	0.185787	0.145354	0.024998	0.006973	0.010710	0.020387	0.000864	0.000234	0.022051	0.000914	0.004004
Parking Lot	0.517338	0.060386	0.185787	0.145354	0.024998	0.006973	0.010710	0.020387	0.000864	0.000234	0.022051	0.000914	0.004004

**5.0 Energy Detail**

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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	209.6773	209.6773	0.0177	2.1500e-003	210.7589
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	209.6773	209.6773	0.0177	2.1500e-003	210.7589
NaturalGas Mitigated	2.2700e-003	0.0207	0.0174	1.2000e-004		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	22.4791	22.4791	4.3000e-004	4.1000e-004	22.6126
NaturalGas Unmitigated	2.2700e-003	0.0207	0.0174	1.2000e-004		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	22.4791	22.4791	4.3000e-004	4.1000e-004	22.6126

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
Industrial Park	421242	2.2700e-003	0.0207	0.0174	1.2000e-004		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	22.4791	22.4791	4.3000e-004	4.1000e-004	22.6126
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.2700e-003</b>	<b>0.0207</b>	<b>0.0174</b>	<b>1.2000e-004</b>		<b>1.5700e-003</b>	<b>1.5700e-003</b>		<b>1.5700e-003</b>	<b>1.5700e-003</b>	<b>0.0000</b>	<b>22.4791</b>	<b>22.4791</b>	<b>4.3000e-004</b>	<b>4.1000e-004</b>	<b>22.6126</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					
Industrial Park	421242	2.2700e-003	0.0207	0.0174	1.2000e-004		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	22.4791	22.4791	4.3000e-004	4.1000e-004	22.6126
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.2700e-003</b>	<b>0.0207</b>	<b>0.0174</b>	<b>1.2000e-004</b>		<b>1.5700e-003</b>	<b>1.5700e-003</b>		<b>1.5700e-003</b>	<b>1.5700e-003</b>	<b>0.0000</b>	<b>22.4791</b>	<b>22.4791</b>	<b>4.3000e-004</b>	<b>4.1000e-004</b>	<b>22.6126</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	1.12863e+006	200.1581	0.0169	2.0500e-003	201.1906
Parking Lot	53676	9.5192	8.0000e-004	1.0000e-004	9.5683
<b>Total</b>		<b>209.6773</b>	<b>0.0177</b>	<b>2.1500e-003</b>	<b>210.7589</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	1.12863e+006	200.1581	0.0169	2.0500e-003	201.1906
Parking Lot	53676	9.5192	8.0000e-004	1.0000e-004	9.5683
<b>Total</b>		<b>209.6773</b>	<b>0.0177</b>	<b>2.1500e-003</b>	<b>210.7589</b>

**6.0 Area Detail**

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DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.5784	2.0000e-005	2.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9300e-003	4.9300e-003	1.0000e-005	0.0000	5.2600e-003
Unmitigated	0.5784	2.0000e-005	2.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9300e-003	4.9300e-003	1.0000e-005	0.0000	5.2600e-003

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0886					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4896					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9300e-003	4.9300e-003	1.0000e-005	0.0000	5.2600e-003
<b>Total</b>	<b>0.5784</b>	<b>2.0000e-005</b>	<b>2.5300e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.9300e-003</b>	<b>4.9300e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.2600e-003</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0886					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4896					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9300e-003	4.9300e-003	1.0000e-005	0.0000	5.2600e-003
<b>Total</b>	<b>0.5784</b>	<b>2.0000e-005</b>	<b>2.5300e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.9300e-003</b>	<b>4.9300e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.2600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.9502	0.1741	4.2100e-003	19.5580
Unmitigated	13.9502	0.1741	4.2100e-003	19.5580

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	5.31137 / 0	13.9502	0.1741	4.2100e-003	19.5580
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>13.9502</b>	<b>0.1741</b>	<b>4.2100e-003</b>	<b>19.5580</b>

DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	5.31137 / 0	13.9502	0.1741	4.2100e-003	19.5580
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>13.9502</b>	<b>0.1741</b>	<b>4.2100e-003</b>	<b>19.5580</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	30.9115	1.8268	0.0000	76.5818
Unmitigated	30.9115	1.8268	0.0000	76.5818



DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	152.28	30.9115	1.8268	0.0000	76.5818
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>30.9115</b>	<b>1.8268</b>	<b>0.0000</b>	<b>76.5818</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	152.28	30.9115	1.8268	0.0000	76.5818
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>30.9115</b>	<b>1.8268</b>	<b>0.0000</b>	<b>76.5818</b>

**9.0 Operational Offroad**

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DHS Development - Salton Sea Air Basin, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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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DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**DHS Development  
Salton Sea Air Basin, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	122.81	1000sqft	2.82	122,811.00	0
Parking Lot	153.36	1000sqft	3.52	153,360.00	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>	2024
<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 - Development of cannabis cultivation facility on the east side of Little Morongo Road.

Construction Phase - Assumes a 2 year buildout from 2022-2024. Assumes paving, building, and arch coating will occur simultaneously and/or gradually as buildings are completed.

On-road Fugitive Dust - All roadways accessing the site are paved.

Grading - Per preliminary grading plans. cut = 10,571CY and fill=17,040CY for net import of 6,469CY.

Vehicle Trips - Trip rate of 6.08 TSF used per project specific Traffic Impact Analysis.

Road Dust - All roads will be paved at operation.

Water And Wastewater - Per project ISMND, total annual water use is expected to be 16.3 AFY which equals 5,311,370 gallons per year.

Construction Off-road Equipment Mitigation - Assumes compliance with SCAQMD Rule 403.1 Dust Control Plan for Coachella Valley.

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	20.00	87.00
tblConstructionPhase	NumDays	230.00	400.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	10.00	30.00
tblGrading	AcresOfGrading	60.00	8.50
tblGrading	AcresOfGrading	45.00	8.50
tblGrading	MaterialImported	0.00	6,469.00
tblLandUse	LandUseSquareFeet	122,810.00	122,811.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	2.54	6.08

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblVehicleTrips	SU_TR	1.24	6.08
tblVehicleTrips	WD_TR	3.37	6.08
tblWater	IndoorWaterUseRate	28,399,812.50	5,311,370.00

**2.0 Emissions Summary**

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DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2553	33.1294	21.6760	0.0431	18.5173	1.6134	20.1307	10.0031	1.4843	11.4874	0.0000	4,220.0155	4,220.0155	1.1967	0.1309	4,274.6014
2023	3.5522	26.1715	36.2504	0.0665	1.3221	1.2254	2.5475	0.3559	1.1424	1.4983	0.0000	6,497.6746	6,497.6746	1.3566	0.1259	6,569.0983
2024	22.6467	16.2461	23.3432	0.0469	1.3890	0.6897	2.0787	0.3736	0.6524	1.0260	0.0000	4,602.9524	4,602.9524	0.6539	0.1238	4,656.1778
<b>Maximum</b>	<b>22.6467</b>	<b>33.1294</b>	<b>36.2504</b>	<b>0.0665</b>	<b>18.5173</b>	<b>1.6134</b>	<b>20.1307</b>	<b>10.0031</b>	<b>1.4843</b>	<b>11.4874</b>	<b>0.0000</b>	<b>6,497.6746</b>	<b>6,497.6746</b>	<b>1.3566</b>	<b>0.1309</b>	<b>6,569.0983</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2553	33.1294	21.6760	0.0431	8.4156	1.6134	10.0290	4.5234	1.4843	6.0077	0.0000	4,220.0155	4,220.0155	1.1967	0.1309	4,274.6014
2023	3.5522	26.1715	36.2504	0.0665	1.3221	1.2254	2.5475	0.3559	1.1424	1.4983	0.0000	6,497.6746	6,497.6746	1.3566	0.1259	6,569.0983
2024	22.6467	16.2461	23.3432	0.0469	1.3890	0.6897	2.0787	0.3736	0.6524	1.0260	0.0000	4,602.9524	4,602.9524	0.6539	0.1238	4,656.1778
<b>Maximum</b>	<b>22.6467</b>	<b>33.1294</b>	<b>36.2504</b>	<b>0.0665</b>	<b>8.4156</b>	<b>1.6134</b>	<b>10.0290</b>	<b>4.5234</b>	<b>1.4843</b>	<b>6.0077</b>	<b>0.0000</b>	<b>6,497.6746</b>	<b>6,497.6746</b>	<b>1.3566</b>	<b>0.1309</b>	<b>6,569.0983</b>



DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.1705	2.6000e-004	0.0282	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0604	0.0604	1.6000e-004		0.0644
Energy	0.0125	0.1132	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7749	135.7749	2.6000e-003	2.4900e-003	136.5818
Mobile	2.6861	2.7302	22.3344	0.0459	4.4488	0.0333	4.4821	1.1864	0.0312	1.2175		4,743.8794	4,743.8794	0.2246	0.2206	4,815.2313
<b>Total</b>	<b>5.8690</b>	<b>2.8436</b>	<b>22.4576</b>	<b>0.0465</b>	<b>4.4488</b>	<b>0.0420</b>	<b>4.4908</b>	<b>1.1864</b>	<b>0.0399</b>	<b>1.2262</b>		<b>4,879.7147</b>	<b>4,879.7147</b>	<b>0.2273</b>	<b>0.2231</b>	<b>4,951.8775</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	3.1705	2.6000e-004	0.0282	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0604	0.0604	1.6000e-004		0.0644
Energy	0.0125	0.1132	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7749	135.7749	2.6000e-003	2.4900e-003	136.5818
Mobile	2.6861	2.7302	22.3344	0.0459	4.4488	0.0333	4.4821	1.1864	0.0312	1.2175		4,743.8794	4,743.8794	0.2246	0.2206	4,815.2313
<b>Total</b>	<b>5.8690</b>	<b>2.8436</b>	<b>22.4576</b>	<b>0.0465</b>	<b>4.4488</b>	<b>0.0420</b>	<b>4.4908</b>	<b>1.1864</b>	<b>0.0399</b>	<b>1.2262</b>		<b>4,879.7147</b>	<b>4,879.7147</b>	<b>0.2273</b>	<b>0.2231</b>	<b>4,951.8775</b>



DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	Site Preparation	Site Preparation	6/1/2022	7/12/2022	5	30	
2	Grading	Grading	7/13/2022	10/4/2022	5	60	
3	Building Construction	Building Construction	10/5/2022	4/16/2024	5	400	
4	Paving	Paving	10/10/2023	11/20/2023	5	30	
5	Architectural Coating	Architectural Coating	2/1/2024	6/1/2024	5	87	

**Acres of Grading (Site Preparation Phase): 8.5**

**Acres of Grading (Grading Phase): 8.5**

**Acres of Paving: 3.52**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 184,217; Non-Residential Outdoor: 61,406; Striped Parking Area: 9,202 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	809.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	116.00	45.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.3667	0.0000	18.3667	9.9631	0.0000	9.9631			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.3667</b>	<b>1.6126</b>	<b>19.9793</b>	<b>9.9631</b>	<b>1.4836</b>	<b>11.4467</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</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	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	0.0851	0.0459	0.7027	1.4400e-003	0.1506	8.0000e-004	0.1514	0.0400	7.3000e-004	0.0407		146.5861	146.5861	4.5100e-003	4.2200e-003	147.9553
<b>Total</b>	<b>0.0851</b>	<b>0.0459</b>	<b>0.7027</b>	<b>1.4400e-003</b>	<b>0.1506</b>	<b>8.0000e-004</b>	<b>0.1514</b>	<b>0.0400</b>	<b>7.3000e-004</b>	<b>0.0407</b>		<b>146.5861</b>	<b>146.5861</b>	<b>4.5100e-003</b>	<b>4.2200e-003</b>	<b>147.9553</b>

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2022**

**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					8.2650	0.0000	8.2650	4.4834	0.0000	4.4834			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>8.2650</b>	<b>1.6126</b>	<b>9.8776</b>	<b>4.4834</b>	<b>1.4836</b>	<b>5.9670</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</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	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	0.0851	0.0459	0.7027	1.4400e-003	0.1506	8.0000e-004	0.1514	0.0400	7.3000e-004	0.0407		146.5861	146.5861	4.5100e-003	4.2200e-003	147.9553
<b>Total</b>	<b>0.0851</b>	<b>0.0459</b>	<b>0.7027</b>	<b>1.4400e-003</b>	<b>0.1506</b>	<b>8.0000e-004</b>	<b>0.1514</b>	<b>0.0400</b>	<b>7.3000e-004</b>	<b>0.0407</b>		<b>146.5861</b>	<b>146.5861</b>	<b>4.5100e-003</b>	<b>4.2200e-003</b>	<b>147.9553</b>

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1938	0.0000	6.1938	3.3297	0.0000	3.3297			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.1938</b>	<b>0.9409</b>	<b>7.1347</b>	<b>3.3297</b>	<b>0.8656</b>	<b>4.1953</b>		<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</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	lb/day										lb/day					
Hauling	0.0421	1.6092	0.4070	7.6200e-003	0.2365	0.0191	0.2555	0.0649	0.0182	0.0831		809.4931	809.4931	5.6400e-003	0.1273	847.5814
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	0.0709	0.0382	0.5856	1.2000e-003	0.1255	6.6000e-004	0.1262	0.0333	6.1000e-004	0.0339		122.1551	122.1551	3.7600e-003	3.5100e-003	123.2961
<b>Total</b>	<b>0.1131</b>	<b>1.6474</b>	<b>0.9926</b>	<b>8.8200e-003</b>	<b>0.3620</b>	<b>0.0197</b>	<b>0.3817</b>	<b>0.0982</b>	<b>0.0188</b>	<b>0.1170</b>		<b>931.6482</b>	<b>931.6482</b>	<b>9.4000e-003</b>	<b>0.1309</b>	<b>970.8776</b>

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7872	0.0000	2.7872	1.4984	0.0000	1.4984			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>2.7872</b>	<b>0.9409</b>	<b>3.7281</b>	<b>1.4984</b>	<b>0.8656</b>	<b>2.3640</b>	<b>0.0000</b>	<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</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	lb/day										lb/day					
Hauling	0.0421	1.6092	0.4070	7.6200e-003	0.2365	0.0191	0.2555	0.0649	0.0182	0.0831		809.4931	809.4931	5.6400e-003	0.1273	847.5814
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	0.0709	0.0382	0.5856	1.2000e-003	0.1255	6.6000e-004	0.1262	0.0333	6.1000e-004	0.0339		122.1551	122.1551	3.7600e-003	3.5100e-003	123.2961
<b>Total</b>	<b>0.1131</b>	<b>1.6474</b>	<b>0.9926</b>	<b>8.8200e-003</b>	<b>0.3620</b>	<b>0.0197</b>	<b>0.3817</b>	<b>0.0982</b>	<b>0.0188</b>	<b>0.1170</b>		<b>931.6482</b>	<b>931.6482</b>	<b>9.4000e-003</b>	<b>0.1309</b>	<b>970.8776</b>

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</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	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	0.0808	1.5773	0.7840	6.8400e-003	0.2261	0.0196	0.2456	0.0651	0.0187	0.0838		721.0162	721.0162	6.0400e-003	0.1017	751.4792
Worker	0.5486	0.2955	4.5287	9.2900e-003	0.9705	5.1300e-003	0.9757	0.2574	4.7300e-003	0.2622		944.6657	944.6657	0.0290	0.0272	953.4900
<b>Total</b>	<b>0.6294</b>	<b>1.8728</b>	<b>5.3126</b>	<b>0.0161</b>	<b>1.1966</b>	<b>0.0247</b>	<b>1.2213</b>	<b>0.3226</b>	<b>0.0234</b>	<b>0.3460</b>		<b>1,665.6819</b>	<b>1,665.6819</b>	<b>0.0351</b>	<b>0.1289</b>	<b>1,704.9692</b>

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</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	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	0.0808	1.5773	0.7840	6.8400e-003	0.2261	0.0196	0.2456	0.0651	0.0187	0.0838		721.0162	721.0162	6.0400e-003	0.1017	751.4792
Worker	0.5486	0.2955	4.5287	9.2900e-003	0.9705	5.1300e-003	0.9757	0.2574	4.7300e-003	0.2622		944.6657	944.6657	0.0290	0.0272	953.4900
<b>Total</b>	<b>0.6294</b>	<b>1.8728</b>	<b>5.3126</b>	<b>0.0161</b>	<b>1.1966</b>	<b>0.0247</b>	<b>1.2213</b>	<b>0.3226</b>	<b>0.0234</b>	<b>0.3460</b>		<b>1,665.6819</b>	<b>1,665.6819</b>	<b>0.0351</b>	<b>0.1289</b>	<b>1,704.9692</b>



DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</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	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	0.0666	1.3000	0.7487	6.6100e-003	0.2261	0.0101	0.2361	0.0651	9.6400e-003	0.0748		696.6628	696.6628	5.4100e-003	0.0976	725.8841
Worker	0.5071	0.2612	4.1383	8.9800e-003	0.9705	4.8000e-003	0.9753	0.2574	4.4200e-003	0.2619		919.3378	919.3378	0.0260	0.0250	927.4462
<b>Total</b>	<b>0.5737</b>	<b>1.5612</b>	<b>4.8870</b>	<b>0.0156</b>	<b>1.1966</b>	<b>0.0149</b>	<b>1.2115</b>	<b>0.3226</b>	<b>0.0141</b>	<b>0.3366</b>		<b>1,616.0006</b>	<b>1,616.0006</b>	<b>0.0314</b>	<b>0.1226</b>	<b>1,653.3303</b>

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</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	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	0.0666	1.3000	0.7487	6.6100e-003	0.2261	0.0101	0.2361	0.0651	9.6400e-003	0.0748		696.6628	696.6628	5.4100e-003	0.0976	725.8841
Worker	0.5071	0.2612	4.1383	8.9800e-003	0.9705	4.8000e-003	0.9753	0.2574	4.4200e-003	0.2619		919.3378	919.3378	0.0260	0.0250	927.4462
<b>Total</b>	<b>0.5737</b>	<b>1.5612</b>	<b>4.8870</b>	<b>0.0156</b>	<b>1.1966</b>	<b>0.0149</b>	<b>1.2115</b>	<b>0.3226</b>	<b>0.0141</b>	<b>0.3366</b>		<b>1,616.0006</b>	<b>1,616.0006</b>	<b>0.0314</b>	<b>0.1226</b>	<b>1,653.3303</b>

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</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	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	0.0652	1.3042	0.7350	6.5200e-003	0.2261	9.9100e-003	0.2360	0.0651	9.4800e-003	0.0746		687.2419	687.2419	5.3700e-003	0.0959	715.9586
Worker	0.4716	0.2331	3.8649	8.7300e-003	0.9705	4.6200e-003	0.9752	0.2574	4.2600e-003	0.2617		900.0961	900.0961	0.0236	0.0232	907.6101
<b>Total</b>	<b>0.5368</b>	<b>1.5373</b>	<b>4.5999</b>	<b>0.0153</b>	<b>1.1966</b>	<b>0.0145</b>	<b>1.2111</b>	<b>0.3226</b>	<b>0.0137</b>	<b>0.3363</b>		<b>1,587.3381</b>	<b>1,587.3381</b>	<b>0.0290</b>	<b>0.1191</b>	<b>1,623.5688</b>

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</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	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	0.0652	1.3042	0.7350	6.5200e-003	0.2261	9.9100e-003	0.2360	0.0651	9.4800e-003	0.0746		687.2419	687.2419	5.3700e-003	0.0959	715.9586
Worker	0.4716	0.2331	3.8649	8.7300e-003	0.9705	4.6200e-003	0.9752	0.2574	4.2600e-003	0.2617		900.0961	900.0961	0.0236	0.0232	907.6101
<b>Total</b>	<b>0.5368</b>	<b>1.5373</b>	<b>4.5999</b>	<b>0.0153</b>	<b>1.1966</b>	<b>0.0145</b>	<b>1.2111</b>	<b>0.3226</b>	<b>0.0137</b>	<b>0.3363</b>		<b>1,587.3381</b>	<b>1,587.3381</b>	<b>0.0290</b>	<b>0.1191</b>	<b>1,623.5688</b>

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.3074					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.3402</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>		<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</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	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	0.0656	0.0338	0.5351	1.1600e-003	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		118.8799	118.8799	3.3600e-003	3.2400e-003	119.9284
<b>Total</b>	<b>0.0656</b>	<b>0.0338</b>	<b>0.5351</b>	<b>1.1600e-003</b>	<b>0.1255</b>	<b>6.2000e-004</b>	<b>0.1261</b>	<b>0.0333</b>	<b>5.7000e-004</b>	<b>0.0339</b>		<b>118.8799</b>	<b>118.8799</b>	<b>3.3600e-003</b>	<b>3.2400e-003</b>	<b>119.9284</b>

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 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	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.3074					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.3402</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>	<b>0.0000</b>	<b>2,207.584 1</b>	<b>2,207.584 1</b>	<b>0.7140</b>		<b>2,225.433 6</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	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	0.0656	0.0338	0.5351	1.1600e-003	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		118.8799	118.8799	3.3600e-003	3.2400e-003	119.9284
<b>Total</b>	<b>0.0656</b>	<b>0.0338</b>	<b>0.5351</b>	<b>1.1600e-003</b>	<b>0.1255</b>	<b>6.2000e-004</b>	<b>0.1261</b>	<b>0.0333</b>	<b>5.7000e-004</b>	<b>0.0339</b>		<b>118.8799</b>	<b>118.8799</b>	<b>3.3600e-003</b>	<b>3.2400e-003</b>	<b>119.9284</b>

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.3640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>20.5448</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</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	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	0.0935	0.0462	0.7663	1.7300e-003	0.1924	9.2000e-004	0.1934	0.0510	8.4000e-004	0.0519		178.4673	178.4673	4.6800e-003	4.6100e-003	179.9572
<b>Total</b>	<b>0.0935</b>	<b>0.0462</b>	<b>0.7663</b>	<b>1.7300e-003</b>	<b>0.1924</b>	<b>9.2000e-004</b>	<b>0.1934</b>	<b>0.0510</b>	<b>8.4000e-004</b>	<b>0.0519</b>		<b>178.4673</b>	<b>178.4673</b>	<b>4.6800e-003</b>	<b>4.6100e-003</b>	<b>179.9572</b>

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Architectural Coating - 2024**

**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	20.3640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>20.5448</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</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	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	0.0935	0.0462	0.7663	1.7300e-003	0.1924	9.2000e-004	0.1934	0.0510	8.4000e-004	0.0519		178.4673	178.4673	4.6800e-003	4.6100e-003	179.9572
<b>Total</b>	<b>0.0935</b>	<b>0.0462</b>	<b>0.7663</b>	<b>1.7300e-003</b>	<b>0.1924</b>	<b>9.2000e-004</b>	<b>0.1934</b>	<b>0.0510</b>	<b>8.4000e-004</b>	<b>0.0519</b>		<b>178.4673</b>	<b>178.4673</b>	<b>4.6800e-003</b>	<b>4.6100e-003</b>	<b>179.9572</b>



DHS Development - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	2.6861	2.7302	22.3344	0.0459	4.4488	0.0333	4.4821	1.1864	0.0312	1.2175		4,743.879 4	4,743.879 4	0.2246	0.2206	4,815.231 3
Unmitigated	2.6861	2.7302	22.3344	0.0459	4.4488	0.0333	4.4821	1.1864	0.0312	1.2175		4,743.879 4	4,743.879 4	0.2246	0.2206	4,815.231 3

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	746.68	746.68	746.68	2,106,775	2,106,775
Parking Lot	0.00	0.00	0.00		
Total	746.68	746.68	746.68	2,106,775	2,106,775

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	12.50	4.20	5.40	59.00	28.00	13.00	79	19	2
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.517338	0.060386	0.185787	0.145354	0.024998	0.006973	0.010710	0.020387	0.000864	0.000234	0.022051	0.000914	0.004004
Parking Lot	0.517338	0.060386	0.185787	0.145354	0.024998	0.006973	0.010710	0.020387	0.000864	0.000234	0.022051	0.000914	0.004004

**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	0.0125	0.1132	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7749	135.7749	2.6000e-003	2.4900e-003	136.5818
NaturalGas Unmitigated	0.0125	0.1132	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7749	135.7749	2.6000e-003	2.4900e-003	136.5818

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	1154.09	0.0125	0.1132	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7749	135.7749	2.6000e-003	2.4900e-003	136.5818
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0125</b>	<b>0.1132</b>	<b>0.0950</b>	<b>6.8000e-004</b>		<b>8.6000e-003</b>	<b>8.6000e-003</b>		<b>8.6000e-003</b>	<b>8.6000e-003</b>		<b>135.7749</b>	<b>135.7749</b>	<b>2.6000e-003</b>	<b>2.4900e-003</b>	<b>136.5818</b>

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	1.15409	0.0125	0.1132	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7749	135.7749	2.6000e-003	2.4900e-003	136.5818
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0125</b>	<b>0.1132</b>	<b>0.0950</b>	<b>6.8000e-004</b>		<b>8.6000e-003</b>	<b>8.6000e-003</b>		<b>8.6000e-003</b>	<b>8.6000e-003</b>		<b>135.7749</b>	<b>135.7749</b>	<b>2.6000e-003</b>	<b>2.4900e-003</b>	<b>136.5818</b>

**6.0 Area Detail**

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.1705	2.6000e-004	0.0282	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0604	0.0604	1.6000e-004		0.0644
Unmitigated	3.1705	2.6000e-004	0.0282	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0604	0.0604	1.6000e-004		0.0644

**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	0.4854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-003	2.6000e-004	0.0282	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0604	0.0604	1.6000e-004		0.0644
<b>Total</b>	<b>3.1705</b>	<b>2.6000e-004</b>	<b>0.0282</b>	<b>0.0000</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>0.0604</b>	<b>0.0604</b>	<b>1.6000e-004</b>		<b>0.0644</b>

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.4854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-003	2.6000e-004	0.0282	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0604	0.0604	1.6000e-004		0.0644
<b>Total</b>	<b>3.1705</b>	<b>2.6000e-004</b>	<b>0.0282</b>	<b>0.0000</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>0.0604</b>	<b>0.0604</b>	<b>1.6000e-004</b>		<b>0.0644</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

DHS Development - Salton Sea Air Basin, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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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DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**DHS Development  
Salton Sea Air Basin, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	122.81	1000sqft	2.82	122,811.00	0
Parking Lot	153.36	1000sqft	3.52	153,360.00	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>	2024
<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 - Development of cannabis cultivation facility on the east side of Little Morongo Road.

Construction Phase - Assumes a 2 year buildout from 2022-2024. Assumes paving, building, and arch coating will occur simultaneously and/or gradually as buildings are completed.

On-road Fugitive Dust - All roadways accessing the site are paved.

Grading - Per preliminary grading plans. cut = 10,571CY and fill=17,040CY for net import of 6,469CY.

Vehicle Trips - Trip rate of 6.08 TSF used per project specific Traffic Impact Analysis.

Road Dust - All roads will be paved at operation.

Water And Wastewater - Per project ISMND, total annual water use is expected to be 16.3 AFY which equals 5,311,370 gallons per year.

Construction Off-road Equipment Mitigation - Assumes compliance with SCAQMD Rule 403.1 Dust Control Plan for Coachella Valley.

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	20.00	87.00
tblConstructionPhase	NumDays	230.00	400.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	10.00	30.00
tblGrading	AcresOfGrading	60.00	8.50
tblGrading	AcresOfGrading	45.00	8.50
tblGrading	MaterialImported	0.00	6,469.00
tblLandUse	LandUseSquareFeet	122,810.00	122,811.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	2.54	6.08



DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblVehicleTrips	SU_TR	1.24	6.08
tblVehicleTrips	WD_TR	3.37	6.08
tblWater	IndoorWaterUseRate	28,399,812.50	5,311,370.00

**2.0 Emissions Summary**

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DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2348	33.1307	20.4020	0.0417	18.5173	1.6134	20.1307	10.0031	1.4843	11.4874	0.0000	4,081.5069	4,081.5069	1.1966	0.1310	4,136.3203
2023	3.4110	26.2917	34.9415	0.0650	1.3221	1.2255	2.5476	0.3559	1.1425	1.4983	0.0000	6,346.9220	6,346.9220	1.3564	0.1268	6,418.6223
2024	22.5094	16.3656	22.0509	0.0454	1.3890	0.6897	2.0788	0.3736	0.6524	1.0261	0.0000	4,446.5897	4,446.5897	0.6538	0.1247	4,500.0791
<b>Maximum</b>	<b>22.5094</b>	<b>33.1307</b>	<b>34.9415</b>	<b>0.0650</b>	<b>18.5173</b>	<b>1.6134</b>	<b>20.1307</b>	<b>10.0031</b>	<b>1.4843</b>	<b>11.4874</b>	<b>0.0000</b>	<b>6,346.9220</b>	<b>6,346.9220</b>	<b>1.3564</b>	<b>0.1310</b>	<b>6,418.6223</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2348	33.1307	20.4020	0.0417	8.4156	1.6134	10.0290	4.5234	1.4843	6.0077	0.0000	4,081.5069	4,081.5069	1.1966	0.1310	4,136.3203
2023	3.4110	26.2917	34.9415	0.0650	1.3221	1.2255	2.5476	0.3559	1.1425	1.4983	0.0000	6,346.9220	6,346.9220	1.3564	0.1268	6,418.6223
2024	22.5094	16.3656	22.0509	0.0454	1.3890	0.6897	2.0788	0.3736	0.6524	1.0261	0.0000	4,446.5897	4,446.5897	0.6538	0.1247	4,500.0791
<b>Maximum</b>	<b>22.5094</b>	<b>33.1307</b>	<b>34.9415</b>	<b>0.0650</b>	<b>8.4156</b>	<b>1.6134</b>	<b>10.0290</b>	<b>4.5234</b>	<b>1.4843</b>	<b>6.0077</b>	<b>0.0000</b>	<b>6,346.9220</b>	<b>6,346.9220</b>	<b>1.3564</b>	<b>0.1310</b>	<b>6,418.6223</b>

## DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	47.59	0.00	40.80	51.06	0.00	39.11	0.00	0.00	0.00	0.00	0.00	0.00

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3.1705	2.6000e-004	0.0282	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0604	0.0604	1.6000e-004		0.0644
Energy	0.0125	0.1132	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7749	135.7749	2.6000e-003	2.4900e-003	136.5818
Mobile	1.8006	2.9531	17.9700	0.0406	4.4488	0.0334	4.4821	1.1864	0.0312	1.2176		4,204.8679	4,204.8679	0.2327	0.2250	4,277.7405
<b>Total</b>	<b>4.9835</b>	<b>3.0665</b>	<b>18.0932</b>	<b>0.0413</b>	<b>4.4488</b>	<b>0.0421</b>	<b>4.4908</b>	<b>1.1864</b>	<b>0.0399</b>	<b>1.2263</b>		<b>4,340.7033</b>	<b>4,340.7033</b>	<b>0.2354</b>	<b>0.2275</b>	<b>4,414.3866</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	3.1705	2.6000e-004	0.0282	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0604	0.0604	1.6000e-004		0.0644
Energy	0.0125	0.1132	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7749	135.7749	2.6000e-003	2.4900e-003	136.5818
Mobile	1.8006	2.9531	17.9700	0.0406	4.4488	0.0334	4.4821	1.1864	0.0312	1.2176		4,204.8679	4,204.8679	0.2327	0.2250	4,277.7405
<b>Total</b>	<b>4.9835</b>	<b>3.0665</b>	<b>18.0932</b>	<b>0.0413</b>	<b>4.4488</b>	<b>0.0421</b>	<b>4.4908</b>	<b>1.1864</b>	<b>0.0399</b>	<b>1.2263</b>		<b>4,340.7033</b>	<b>4,340.7033</b>	<b>0.2354</b>	<b>0.2275</b>	<b>4,414.3866</b>

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	Site Preparation	Site Preparation	6/1/2022	7/12/2022	5	30	
2	Grading	Grading	7/13/2022	10/4/2022	5	60	
3	Building Construction	Building Construction	10/5/2022	4/16/2024	5	400	
4	Paving	Paving	10/10/2023	11/20/2023	5	30	
5	Architectural Coating	Architectural Coating	2/1/2024	6/1/2024	5	87	

**Acres of Grading (Site Preparation Phase): 8.5**

**Acres of Grading (Grading Phase): 8.5**

**Acres of Paving: 3.52**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 184,217; Non-Residential Outdoor: 61,406; Striped Parking Area: 9,202 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	809.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	116.00	45.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.3667	0.0000	18.3667	9.9631	0.0000	9.9631			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.3667</b>	<b>1.6126</b>	<b>19.9793</b>	<b>9.9631</b>	<b>1.4836</b>	<b>11.4467</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</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	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	0.0647	0.0472	0.4998	1.2300e-003	0.1506	8.0000e-004	0.1514	0.0400	7.3000e-004	0.0407		124.8785	124.8785	4.4700e-003	4.2700e-003	126.2631
<b>Total</b>	<b>0.0647</b>	<b>0.0472</b>	<b>0.4998</b>	<b>1.2300e-003</b>	<b>0.1506</b>	<b>8.0000e-004</b>	<b>0.1514</b>	<b>0.0400</b>	<b>7.3000e-004</b>	<b>0.0407</b>		<b>124.8785</b>	<b>124.8785</b>	<b>4.4700e-003</b>	<b>4.2700e-003</b>	<b>126.2631</b>

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Site Preparation - 2022**

**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					8.2650	0.0000	8.2650	4.4834	0.0000	4.4834			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>8.2650</b>	<b>1.6126</b>	<b>9.8776</b>	<b>4.4834</b>	<b>1.4836</b>	<b>5.9670</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</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	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	0.0647	0.0472	0.4998	1.2300e-003	0.1506	8.0000e-004	0.1514	0.0400	7.3000e-004	0.0407		124.8785	124.8785	4.4700e-003	4.2700e-003	126.2631
<b>Total</b>	<b>0.0647</b>	<b>0.0472</b>	<b>0.4998</b>	<b>1.2300e-003</b>	<b>0.1506</b>	<b>8.0000e-004</b>	<b>0.1514</b>	<b>0.0400</b>	<b>7.3000e-004</b>	<b>0.0407</b>		<b>124.8785</b>	<b>124.8785</b>	<b>4.4700e-003</b>	<b>4.2700e-003</b>	<b>126.2631</b>



DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1938	0.0000	6.1938	3.3297	0.0000	3.3297			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.1938</b>	<b>0.9409</b>	<b>7.1347</b>	<b>3.3297</b>	<b>0.8656</b>	<b>4.1953</b>		<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</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	lb/day										lb/day					
Hauling	0.0396	1.7449	0.4192	7.6300e-003	0.2365	0.0191	0.2556	0.0649	0.0183	0.0831		810.3945	810.3945	5.5200e-003	0.1275	848.5227
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	0.0539	0.0393	0.4165	1.0200e-003	0.1255	6.6000e-004	0.1262	0.0333	6.1000e-004	0.0339		104.0654	104.0654	3.7300e-003	3.5600e-003	105.2192
<b>Total</b>	<b>0.0934</b>	<b>1.7842</b>	<b>0.8357</b>	<b>8.6500e-003</b>	<b>0.3620</b>	<b>0.0197</b>	<b>0.3817</b>	<b>0.0982</b>	<b>0.0189</b>	<b>0.1170</b>		<b>914.4599</b>	<b>914.4599</b>	<b>9.2500e-003</b>	<b>0.1310</b>	<b>953.7420</b>

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7872	0.0000	2.7872	1.4984	0.0000	1.4984			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>2.7872</b>	<b>0.9409</b>	<b>3.7281</b>	<b>1.4984</b>	<b>0.8656</b>	<b>2.3640</b>	<b>0.0000</b>	<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</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	lb/day										lb/day					
Hauling	0.0396	1.7449	0.4192	7.6300e-003	0.2365	0.0191	0.2556	0.0649	0.0183	0.0831		810.3945	810.3945	5.5200e-003	0.1275	848.5227
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	0.0539	0.0393	0.4165	1.0200e-003	0.1255	6.6000e-004	0.1262	0.0333	6.1000e-004	0.0339		104.0654	104.0654	3.7300e-003	3.5600e-003	105.2192
<b>Total</b>	<b>0.0934</b>	<b>1.7842</b>	<b>0.8357</b>	<b>8.6500e-003</b>	<b>0.3620</b>	<b>0.0197</b>	<b>0.3817</b>	<b>0.0982</b>	<b>0.0189</b>	<b>0.1170</b>		<b>914.4599</b>	<b>914.4599</b>	<b>9.2500e-003</b>	<b>0.1310</b>	<b>953.7420</b>

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</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	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	0.0758	1.7047	0.8175	6.8500e-003	0.2261	0.0196	0.2457	0.0651	0.0188	0.0839		722.4009	722.4009	5.8800e-003	0.1022	752.9929
Worker	0.4167	0.3039	3.2210	7.9100e-003	0.9705	5.1300e-003	0.9757	0.2574	4.7300e-003	0.2622		804.7724	804.7724	0.0288	0.0275	813.6952
<b>Total</b>	<b>0.4925</b>	<b>2.0086</b>	<b>4.0386</b>	<b>0.0148</b>	<b>1.1966</b>	<b>0.0248</b>	<b>1.2214</b>	<b>0.3226</b>	<b>0.0235</b>	<b>0.3461</b>		<b>1,527.1733</b>	<b>1,527.1733</b>	<b>0.0347</b>	<b>0.1297</b>	<b>1,566.6881</b>

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</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	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	0.0758	1.7047	0.8175	6.8500e-003	0.2261	0.0196	0.2457	0.0651	0.0188	0.0839		722.4009	722.4009	5.8800e-003	0.1022	752.9929
Worker	0.4167	0.3039	3.2210	7.9100e-003	0.9705	5.1300e-003	0.9757	0.2574	4.7300e-003	0.2622		804.7724	804.7724	0.0288	0.0275	813.6952
<b>Total</b>	<b>0.4925</b>	<b>2.0086</b>	<b>4.0386</b>	<b>0.0148</b>	<b>1.1966</b>	<b>0.0248</b>	<b>1.2214</b>	<b>0.3226</b>	<b>0.0235</b>	<b>0.3461</b>		<b>1,527.1733</b>	<b>1,527.1733</b>	<b>0.0347</b>	<b>0.1297</b>	<b>1,566.6881</b>

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</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	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	0.0610	1.4123	0.7778	6.6300e-003	0.2261	0.0101	0.2362	0.0651	9.6900e-003	0.0748		699.1993	699.1993	5.2300e-003	0.0982	728.5968
Worker	0.3870	0.2682	2.9536	7.6600e-003	0.9705	4.8000e-003	0.9753	0.2574	4.4200e-003	0.2619		783.6009	783.6009	0.0260	0.0253	791.7982
<b>Total</b>	<b>0.4480</b>	<b>1.6805</b>	<b>3.7314</b>	<b>0.0143</b>	<b>1.1966</b>	<b>0.0149</b>	<b>1.2115</b>	<b>0.3226</b>	<b>0.0141</b>	<b>0.3367</b>		<b>1,482.8003</b>	<b>1,482.8003</b>	<b>0.0312</b>	<b>0.1235</b>	<b>1,520.3949</b>

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</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	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	0.0610	1.4123	0.7778	6.6300e-003	0.2261	0.0101	0.2362	0.0651	9.6900e-003	0.0748		699.1993	699.1993	5.2300e-003	0.0982	728.5968
Worker	0.3870	0.2682	2.9536	7.6600e-003	0.9705	4.8000e-003	0.9753	0.2574	4.4200e-003	0.2619		783.6009	783.6009	0.0260	0.0253	791.7982
<b>Total</b>	<b>0.4480</b>	<b>1.6805</b>	<b>3.7314</b>	<b>0.0143</b>	<b>1.1966</b>	<b>0.0149</b>	<b>1.2115</b>	<b>0.3226</b>	<b>0.0141</b>	<b>0.3367</b>		<b>1,482.8003</b>	<b>1,482.8003</b>	<b>0.0312</b>	<b>0.1235</b>	<b>1,520.3949</b>

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</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	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	0.0597	1.4167	0.7643	6.5400e-003	0.2261	9.9600e-003	0.2360	0.0651	9.5300e-003	0.0747		689.7644	689.7644	5.1900e-003	0.0965	718.6513
Worker	0.3616	0.2390	2.7620	7.4400e-003	0.9705	4.6200e-003	0.9752	0.2574	4.2600e-003	0.2617		767.5014	767.5014	0.0237	0.0235	775.0936
<b>Total</b>	<b>0.4213</b>	<b>1.6556</b>	<b>3.5263</b>	<b>0.0140</b>	<b>1.1966</b>	<b>0.0146</b>	<b>1.2112</b>	<b>0.3226</b>	<b>0.0138</b>	<b>0.3364</b>		<b>1,457.2658</b>	<b>1,457.2658</b>	<b>0.0289</b>	<b>0.1200</b>	<b>1,493.7449</b>

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</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	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	0.0597	1.4167	0.7643	6.5400e-003	0.2261	9.9600e-003	0.2360	0.0651	9.5300e-003	0.0747		689.7644	689.7644	5.1900e-003	0.0965	718.6513
Worker	0.3616	0.2390	2.7620	7.4400e-003	0.9705	4.6200e-003	0.9752	0.2574	4.2600e-003	0.2617		767.5014	767.5014	0.0237	0.0235	775.0936
<b>Total</b>	<b>0.4213</b>	<b>1.6556</b>	<b>3.5263</b>	<b>0.0140</b>	<b>1.1966</b>	<b>0.0146</b>	<b>1.2112</b>	<b>0.3226</b>	<b>0.0138</b>	<b>0.3364</b>		<b>1,457.2658</b>	<b>1,457.2658</b>	<b>0.0289</b>	<b>0.1200</b>	<b>1,493.7449</b>



DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.3074					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.3402</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>		<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</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	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	0.0501	0.0347	0.3819	9.9000e-004	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		101.3277	101.3277	3.3600e-003	3.2800e-003	102.3877
<b>Total</b>	<b>0.0501</b>	<b>0.0347</b>	<b>0.3819</b>	<b>9.9000e-004</b>	<b>0.1255</b>	<b>6.2000e-004</b>	<b>0.1261</b>	<b>0.0333</b>	<b>5.7000e-004</b>	<b>0.0339</b>		<b>101.3277</b>	<b>101.3277</b>	<b>3.3600e-003</b>	<b>3.2800e-003</b>	<b>102.3877</b>

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 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	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.3074					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.3402</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>	<b>0.0000</b>	<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</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	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	0.0501	0.0347	0.3819	9.9000e-004	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		101.3277	101.3277	3.3600e-003	3.2800e-003	102.3877
<b>Total</b>	<b>0.0501</b>	<b>0.0347</b>	<b>0.3819</b>	<b>9.9000e-004</b>	<b>0.1255</b>	<b>6.2000e-004</b>	<b>0.1261</b>	<b>0.0333</b>	<b>5.7000e-004</b>	<b>0.0339</b>		<b>101.3277</b>	<b>101.3277</b>	<b>3.3600e-003</b>	<b>3.2800e-003</b>	<b>102.3877</b>

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	20.3640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>20.5448</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</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	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	0.0717	0.0474	0.5476	1.4800e-003	0.1924	9.2000e-004	0.1934	0.0510	8.4000e-004	0.0519		152.1770	152.1770	4.6900e-003	4.6600e-003	153.6824
<b>Total</b>	<b>0.0717</b>	<b>0.0474</b>	<b>0.5476</b>	<b>1.4800e-003</b>	<b>0.1924</b>	<b>9.2000e-004</b>	<b>0.1934</b>	<b>0.0510</b>	<b>8.4000e-004</b>	<b>0.0519</b>		<b>152.1770</b>	<b>152.1770</b>	<b>4.6900e-003</b>	<b>4.6600e-003</b>	<b>153.6824</b>

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Architectural Coating - 2024**

**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	20.3640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>20.5448</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</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	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	0.0717	0.0474	0.5476	1.4800e-003	0.1924	9.2000e-004	0.1934	0.0510	8.4000e-004	0.0519		152.1770	152.1770	4.6900e-003	4.6600e-003	153.6824
<b>Total</b>	<b>0.0717</b>	<b>0.0474</b>	<b>0.5476</b>	<b>1.4800e-003</b>	<b>0.1924</b>	<b>9.2000e-004</b>	<b>0.1934</b>	<b>0.0510</b>	<b>8.4000e-004</b>	<b>0.0519</b>		<b>152.1770</b>	<b>152.1770</b>	<b>4.6900e-003</b>	<b>4.6600e-003</b>	<b>153.6824</b>

DHS Development - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	1.8006	2.9531	17.9700	0.0406	4.4488	0.0334	4.4821	1.1864	0.0312	1.2176		4,204.8679	4,204.8679	0.2327	0.2250	4,277.7405
Unmitigated	1.8006	2.9531	17.9700	0.0406	4.4488	0.0334	4.4821	1.1864	0.0312	1.2176		4,204.8679	4,204.8679	0.2327	0.2250	4,277.7405

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	746.68	746.68	746.68	2,106,775	2,106,775
Parking Lot	0.00	0.00	0.00		
Total	746.68	746.68	746.68	2,106,775	2,106,775

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	12.50	4.20	5.40	59.00	28.00	13.00	79	19	2
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.517338	0.060386	0.185787	0.145354	0.024998	0.006973	0.010710	0.020387	0.000864	0.000234	0.022051	0.000914	0.004004
Parking Lot	0.517338	0.060386	0.185787	0.145354	0.024998	0.006973	0.010710	0.020387	0.000864	0.000234	0.022051	0.000914	0.004004

**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	0.0125	0.1132	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7749	135.7749	2.6000e-003	2.4900e-003	136.5818
NaturalGas Unmitigated	0.0125	0.1132	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7749	135.7749	2.6000e-003	2.4900e-003	136.5818

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	1154.09	0.0125	0.1132	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7749	135.7749	2.6000e-003	2.4900e-003	136.5818
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0125</b>	<b>0.1132</b>	<b>0.0950</b>	<b>6.8000e-004</b>		<b>8.6000e-003</b>	<b>8.6000e-003</b>		<b>8.6000e-003</b>	<b>8.6000e-003</b>		<b>135.7749</b>	<b>135.7749</b>	<b>2.6000e-003</b>	<b>2.4900e-003</b>	<b>136.5818</b>

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	1.15409	0.0125	0.1132	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7749	135.7749	2.6000e-003	2.4900e-003	136.5818
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0125</b>	<b>0.1132</b>	<b>0.0950</b>	<b>6.8000e-004</b>		<b>8.6000e-003</b>	<b>8.6000e-003</b>		<b>8.6000e-003</b>	<b>8.6000e-003</b>		<b>135.7749</b>	<b>135.7749</b>	<b>2.6000e-003</b>	<b>2.4900e-003</b>	<b>136.5818</b>

**6.0 Area Detail**

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.1705	2.6000e-004	0.0282	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0604	0.0604	1.6000e-004		0.0644
Unmitigated	3.1705	2.6000e-004	0.0282	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0604	0.0604	1.6000e-004		0.0644

**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	0.4854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-003	2.6000e-004	0.0282	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0604	0.0604	1.6000e-004		0.0644
<b>Total</b>	<b>3.1705</b>	<b>2.6000e-004</b>	<b>0.0282</b>	<b>0.0000</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>0.0604</b>	<b>0.0604</b>	<b>1.6000e-004</b>		<b>0.0644</b>



DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.4854					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.6825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-003	2.6000e-004	0.0282	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0604	0.0604	1.6000e-004		0.0644
<b>Total</b>	<b>3.1705</b>	<b>2.6000e-004</b>	<b>0.0282</b>	<b>0.0000</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>0.0604</b>	<b>0.0604</b>	<b>1.6000e-004</b>		<b>0.0644</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

DHS Development - Salton Sea Air Basin, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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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