



**APPENDIX A**

**Air Quality CalEEMod Output Sheets**



**APPENDIX A.1**

Construction

Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

**Landau Construction - Phase 1  
Riverside-Salton Sea County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	26.42	1000sqft	1.50	26,416.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2024
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	390.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - Phase 1 construction area is approximately 1.5 acres.

Construction Phase - Construction schedule per Schematic Design Submittal (November 2021).

Trips and VMT -

Demolition -

Grading - Assumed up to 5,000 cy soil export.

Architectural Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Vehicle Trips - Construction only.

Area Coating -

Water And Wastewater -

Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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Solid Waste -

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	200.00	239.00
tblConstructionPhase	NumDays	20.00	65.00
tblConstructionPhase	NumDays	4.00	23.00
tblGrading	MaterialExported	0.00	5,000.00
tblLandUse	LandUseSquareFeet	26,420.00	26,416.00
tblLandUse	LotAcreage	0.61	1.50
tblVehicleTrips	WD_TR	19.52	0.00





Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2022	12/30/2022	5	65	
2	Grading	Grading	3/1/2023	3/31/2023	5	23	
3	Building Construction	Building Construction	4/1/2023	2/29/2024	5	239	
4	Architectural Coating	Architectural Coating	1/31/2024	2/29/2024	5	22	

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

**Acres of Grading (Grading Phase): 23**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 39,624; Non-Residential Outdoor: 13,208; Striped Parking Area: 0 (Architectural**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	52.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	625.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	11.00	4.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2022**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1728	0.0000	0.1728	0.0262	0.0000	0.0262			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.1728</b>	<b>0.8379</b>	<b>1.0107</b>	<b>0.0262</b>	<b>0.7829</b>	<b>0.8090</b>		<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</b>



Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5300e-003	0.1022	0.0227	4.6000e-004	0.0140	1.1900e-003	0.0152	3.8400e-003	1.1400e-003	4.9800e-003		49.0682	49.0682	6.6000e-004	7.7300e-003	51.3882
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	0.0441	0.0265	0.4026	9.9000e-004	0.1088	5.6000e-004	0.1093	0.0289	5.1000e-004	0.0294		100.5480	100.5480	2.8800e-003	2.6700e-003	101.4170
<b>Total</b>	<b>0.0466</b>	<b>0.1286</b>	<b>0.4253</b>	<b>1.4500e-003</b>	<b>0.1228</b>	<b>1.7500e-003</b>	<b>0.1245</b>	<b>0.0327</b>	<b>1.6500e-003</b>	<b>0.0343</b>		<b>149.6162</b>	<b>149.6162</b>	<b>3.5400e-003</b>	<b>0.0104</b>	<b>152.8052</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0661	0.0000	0.0661	0.0100	0.0000	0.0100			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.0661</b>	<b>0.8379</b>	<b>0.9040</b>	<b>0.0100</b>	<b>0.7829</b>	<b>0.7929</b>	<b>0.0000</b>	<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</b>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5300e-003	0.1022	0.0227	4.6000e-004	0.0140	1.1900e-003	0.0152	3.8400e-003	1.1400e-003	4.9800e-003		49.0682	49.0682	6.6000e-004	7.7300e-003	51.3882
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	0.0441	0.0265	0.4026	9.9000e-004	0.1088	5.6000e-004	0.1093	0.0289	5.1000e-004	0.0294		100.5480	100.5480	2.8800e-003	2.6700e-003	101.4170
<b>Total</b>	<b>0.0466</b>	<b>0.1286</b>	<b>0.4253</b>	<b>1.4500e-003</b>	<b>0.1228</b>	<b>1.7500e-003</b>	<b>0.1245</b>	<b>0.0327</b>	<b>1.6500e-003</b>	<b>0.0343</b>		<b>149.6162</b>	<b>149.6162</b>	<b>3.5400e-003</b>	<b>0.0104</b>	<b>152.8052</b>

**3.3 Grading - 2023**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1101	0.0000	7.1101	3.4289	0.0000	3.4289			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560		1,995.6147	1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>7.1101</b>	<b>0.6044</b>	<b>7.7145</b>	<b>3.4289</b>	<b>0.5560</b>	<b>3.9849</b>		<b>1,995.6147</b>	<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</b>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0595	2.7137	0.7462	0.0149	0.4756	0.0328	0.5084	0.1304	0.0313	0.1617		1,594.5535	1,594.5535	0.0226	0.2513	1,669.9945
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	0.0314	0.0180	0.2851	7.4000e-004	0.0837	4.0000e-004	0.0841	0.0222	3.7000e-004	0.0226		74.8477	74.8477	1.9900e-003	1.9000e-003	75.4647
<b>Total</b>	<b>0.0909</b>	<b>2.7317</b>	<b>1.0314</b>	<b>0.0157</b>	<b>0.5593</b>	<b>0.0332</b>	<b>0.5924</b>	<b>0.1526</b>	<b>0.0317</b>	<b>0.1843</b>		<b>1,669.4012</b>	<b>1,669.4012</b>	<b>0.0246</b>	<b>0.2532</b>	<b>1,745.4593</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.7196	0.0000	2.7196	1.3116	0.0000	1.3116			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560	0.0000	1,995.6147	1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>2.7196</b>	<b>0.6044</b>	<b>3.3240</b>	<b>1.3116</b>	<b>0.5560</b>	<b>1.8676</b>	<b>0.0000</b>	<b>1,995.6147</b>	<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0595	2.7137	0.7462	0.0149	0.4756	0.0328	0.5084	0.1304	0.0313	0.1617		1,594.5535	1,594.5535	0.0226	0.2513	1,669.9945
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	0.0314	0.0180	0.2851	7.4000e-004	0.0837	4.0000e-004	0.0841	0.0222	3.7000e-004	0.0226		74.8477	74.8477	1.9900e-003	1.9000e-003	75.4647
<b>Total</b>	<b>0.0909</b>	<b>2.7317</b>	<b>1.0314</b>	<b>0.0157</b>	<b>0.5593</b>	<b>0.0332</b>	<b>0.5924</b>	<b>0.1526</b>	<b>0.0317</b>	<b>0.1843</b>		<b>1,669.4012</b>	<b>1,669.4012</b>	<b>0.0246</b>	<b>0.2532</b>	<b>1,745.4593</b>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

**3.4 Building Construction - 2023**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>1.5233</b>	<b>11.7104</b>	<b>12.6111</b>	<b>0.0221</b>		<b>0.5145</b>	<b>0.5145</b>		<b>0.4968</b>	<b>0.4968</b>		<b>2,001.7877</b>	<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.1900e-003	0.1131	0.0513	5.6000e-004	0.0201	9.0000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		59.5836	59.5836	6.3000e-004	8.8200e-003	62.2282
Worker	0.0345	0.0198	0.3136	8.1000e-004	0.0920	4.4000e-004	0.0925	0.0244	4.1000e-004	0.0248		82.3325	82.3325	2.1900e-003	2.0900e-003	83.0112
<b>Total</b>	<b>0.0387</b>	<b>0.1329</b>	<b>0.3649</b>	<b>1.3700e-003</b>	<b>0.1121</b>	<b>1.3400e-003</b>	<b>0.1135</b>	<b>0.0302</b>	<b>1.2700e-003</b>	<b>0.0315</b>		<b>141.9160</b>	<b>141.9160</b>	<b>2.8200e-003</b>	<b>0.0109</b>	<b>145.2394</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>1.5233</b>	<b>11.7104</b>	<b>12.6111</b>	<b>0.0221</b>		<b>0.5145</b>	<b>0.5145</b>		<b>0.4968</b>	<b>0.4968</b>	<b>0.0000</b>	<b>2,001.7877</b>	<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</b>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.1900e-003	0.1131	0.0513	5.6000e-004	0.0201	9.0000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		59.5836	59.5836	6.3000e-004	8.8200e-003	62.2282
Worker	0.0345	0.0198	0.3136	8.1000e-004	0.0920	4.4000e-004	0.0925	0.0244	4.1000e-004	0.0248		82.3325	82.3325	2.1900e-003	2.0900e-003	83.0112
<b>Total</b>	<b>0.0387</b>	<b>0.1329</b>	<b>0.3649</b>	<b>1.3700e-003</b>	<b>0.1121</b>	<b>1.3400e-003</b>	<b>0.1135</b>	<b>0.0302</b>	<b>1.2700e-003</b>	<b>0.0315</b>		<b>141.9160</b>	<b>141.9160</b>	<b>2.8200e-003</b>	<b>0.0109</b>	<b>145.2394</b>

**3.4 Building Construction - 2024**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
<b>Total</b>	<b>1.4200</b>	<b>11.0639</b>	<b>12.5172</b>	<b>0.0221</b>		<b>0.4506</b>	<b>0.4506</b>		<b>0.4348</b>	<b>0.4348</b>		<b>2,001.9214</b>	<b>2,001.9214</b>	<b>0.3334</b>		<b>2,010.2563</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.1300e-003	0.1131	0.0507	5.5000e-004	0.0201	8.9000e-004	0.0210	5.7800e-003	8.5000e-004	6.6300e-003		58.6647	58.6647	6.5000e-004	8.6700e-003	61.2655
Worker	0.0321	0.0177	0.2935	7.9000e-004	0.0920	4.2000e-004	0.0925	0.0244	3.9000e-004	0.0248		79.7113	79.7113	1.9900e-003	1.9500e-003	80.3418
<b>Total</b>	<b>0.0363</b>	<b>0.1308</b>	<b>0.3443</b>	<b>1.3400e-003</b>	<b>0.1121</b>	<b>1.3100e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2400e-003</b>	<b>0.0314</b>		<b>138.3760</b>	<b>138.3760</b>	<b>2.6400e-003</b>	<b>0.0106</b>	<b>141.6073</b>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
<b>Total</b>	<b>1.4200</b>	<b>11.0639</b>	<b>12.5172</b>	<b>0.0221</b>		<b>0.4506</b>	<b>0.4506</b>		<b>0.4348</b>	<b>0.4348</b>	<b>0.0000</b>	<b>2,001.9214</b>	<b>2,001.9214</b>	<b>0.3334</b>		<b>2,010.2563</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.1300e-003	0.1131	0.0507	5.5000e-004	0.0201	8.9000e-004	0.0210	5.7800e-003	8.5000e-004	6.6300e-003		58.6647	58.6647	6.5000e-004	8.6700e-003	61.2655
Worker	0.0321	0.0177	0.2935	7.9000e-004	0.0920	4.2000e-004	0.0925	0.0244	3.9000e-004	0.0248		79.7113	79.7113	1.9900e-003	1.9500e-003	80.3418
<b>Total</b>	<b>0.0363</b>	<b>0.1308</b>	<b>0.3443</b>	<b>1.3400e-003</b>	<b>0.1121</b>	<b>1.3100e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2400e-003</b>	<b>0.0314</b>		<b>138.3760</b>	<b>138.3760</b>	<b>2.6400e-003</b>	<b>0.0106</b>	<b>141.6073</b>

**3.5 Architectural Coating - 2024**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.5654					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>5.7461</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>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.8400e-003	3.2200e-003	0.0534	1.4000e-004	0.0167	8.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		14.4930	14.4930	3.6000e-004	3.5000e-004	14.6076
<b>Total</b>	<b>5.8400e-003</b>	<b>3.2200e-003</b>	<b>0.0534</b>	<b>1.4000e-004</b>	<b>0.0167</b>	<b>8.0000e-005</b>	<b>0.0168</b>	<b>4.4400e-003</b>	<b>7.0000e-005</b>	<b>4.5100e-003</b>		<b>14.4930</b>	<b>14.4930</b>	<b>3.6000e-004</b>	<b>3.5000e-004</b>	<b>14.6076</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.5654					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>5.7461</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>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.8400e-003	3.2200e-003	0.0534	1.4000e-004	0.0167	8.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		14.4930	14.4930	3.6000e-004	3.5000e-004	14.6076
<b>Total</b>	<b>5.8400e-003</b>	<b>3.2200e-003</b>	<b>0.0534</b>	<b>1.4000e-004</b>	<b>0.0167</b>	<b>8.0000e-005</b>	<b>0.0168</b>	<b>4.4400e-003</b>	<b>7.0000e-005</b>	<b>4.5100e-003</b>		<b>14.4930</b>	<b>14.4930</b>	<b>3.6000e-004</b>	<b>3.5000e-004</b>	<b>14.6076</b>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Regulatory Compliance	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Baseline	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Baseline	Regulatory Compliance
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

**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
Elementary School	12.50	4.20	5.40	65.00	30.00	5.00	63	25	12

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189

**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					
Natural Gas Regulatory Compliance	6.7800e-003	0.0617	0.0518	3.7000e-004		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003		73.9903	73.9903	1.4200e-003	1.3600e-003	74.4300
Natural Gas Baseline	6.7800e-003	0.0617	0.0518	3.7000e-004		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003		73.9903	73.9903	1.4200e-003	1.3600e-003	74.4300



Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

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

**Baseline**

	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					
Elementary School	628.918	6.7800e-003	0.0617	0.0518	3.7000e-004		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003		73.9903	73.9903	1.4200e-003	1.3600e-003	74.4300
<b>Total</b>		<b>6.7800e-003</b>	<b>0.0617</b>	<b>0.0518</b>	<b>3.7000e-004</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>73.9903</b>	<b>73.9903</b>	<b>1.4200e-003</b>	<b>1.3600e-003</b>	<b>74.4300</b>

**Regulatory Compliance**

	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					
Elementary School	0.628918	6.7800e-003	0.0617	0.0518	3.7000e-004		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003		73.9903	73.9903	1.4200e-003	1.3600e-003	74.4300
<b>Total</b>		<b>6.7800e-003</b>	<b>0.0617</b>	<b>0.0518</b>	<b>3.7000e-004</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>73.9903</b>	<b>73.9903</b>	<b>1.4200e-003</b>	<b>1.3600e-003</b>	<b>74.4300</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Regulatory Compliance	0.5568	2.0000e-005	2.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.7800e-003	5.7800e-003	2.0000e-005		6.1600e-003
Baseline	0.7333	2.0000e-005	2.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.7800e-003	5.7800e-003	2.0000e-005		6.1600e-003

Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

**6.2 Area by SubCategory**

**Baseline**

	ROG	NOx	CO	SO2	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	0.1677					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5653					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5000e-004	2.0000e-005	2.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.7800e-003	5.7800e-003	2.0000e-005		6.1600e-003
<b>Total</b>	<b>0.7333</b>	<b>2.0000e-005</b>	<b>2.6900e-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>5.7800e-003</b>	<b>5.7800e-003</b>	<b>2.0000e-005</b>		<b>6.1600e-003</b>

**Regulatory Compliance**

	ROG	NOx	CO	SO2	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	0.0335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5000e-004	2.0000e-005	2.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.7800e-003	5.7800e-003	2.0000e-005		6.1600e-003
<b>Total</b>	<b>0.5568</b>	<b>2.0000e-005</b>	<b>2.6900e-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>5.7800e-003</b>	<b>5.7800e-003</b>	<b>2.0000e-005</b>		<b>6.1600e-003</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Landau Construction - Phase 1 - Riverside-Salton Sea County, Summer

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

**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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Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**Landau Construction - Phase 1  
Riverside-Salton Sea County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	26.42	1000sqft	1.50	26,416.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2024
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	390.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - Phase 1 construction area is approximately 1.5 acres.

Construction Phase - Construction schedule per Schematic Design Submittal (November 2021).

Trips and VMT -

Demolition -

Grading - Assumed up to 5,000 cy soil export.

Architectural Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Vehicle Trips - Construction only.

Area Coating -

Water And Wastewater -

Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

Solid Waste -

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	200.00	239.00
tblConstructionPhase	NumDays	20.00	65.00
tblConstructionPhase	NumDays	4.00	23.00
tblGrading	MaterialExported	0.00	5,000.00
tblLandUse	LandUseSquareFeet	26,420.00	26,416.00
tblLandUse	LotAcreage	0.61	1.50
tblVehicleTrips	WD_TR	19.52	0.00





Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2022	12/30/2022	5	65	
2	Grading	Grading	3/1/2023	3/31/2023	5	23	
3	Building Construction	Building Construction	4/1/2023	2/29/2024	5	239	
4	Architectural Coating	Architectural Coating	1/31/2024	2/29/2024	5	22	

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

**Acres of Grading (Grading Phase): 23**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 39,624; Non-Residential Outdoor: 13,208; Striped Parking Area: 0 (Architectural**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48



Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	52.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	625.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	11.00	4.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2022**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1728	0.0000	0.1728	0.0262	0.0000	0.0262			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.1728</b>	<b>0.8379</b>	<b>1.0107</b>	<b>0.0262</b>	<b>0.7829</b>	<b>0.8090</b>		<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</b>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4100e-003	0.1078	0.0233	4.6000e-004	0.0140	1.1900e-003	0.0152	3.8400e-003	1.1400e-003	4.9800e-003		49.1056	49.1056	6.6000e-004	7.7400e-003	51.4273
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	0.0402	0.0275	0.3312	9.0000e-004	0.1088	5.6000e-004	0.1093	0.0289	5.1000e-004	0.0294		91.1208	91.1208	2.9200e-003	2.7400e-003	92.0103
<b>Total</b>	<b>0.0426</b>	<b>0.1352</b>	<b>0.3546</b>	<b>1.3600e-003</b>	<b>0.1228</b>	<b>1.7500e-003</b>	<b>0.1245</b>	<b>0.0327</b>	<b>1.6500e-003</b>	<b>0.0343</b>		<b>140.2264</b>	<b>140.2264</b>	<b>3.5800e-003</b>	<b>0.0105</b>	<b>143.4375</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0661	0.0000	0.0661	0.0100	0.0000	0.0100			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.0661</b>	<b>0.8379</b>	<b>0.9040</b>	<b>0.0100</b>	<b>0.7829</b>	<b>0.7929</b>	<b>0.0000</b>	<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.4100e-003	0.1078	0.0233	4.6000e-004	0.0140	1.1900e-003	0.0152	3.8400e-003	1.1400e-003	4.9800e-003		49.1056	49.1056	6.6000e-004	7.7400e-003	51.4273
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	0.0402	0.0275	0.3312	9.0000e-004	0.1088	5.6000e-004	0.1093	0.0289	5.1000e-004	0.0294		91.1208	91.1208	2.9200e-003	2.7400e-003	92.0103
<b>Total</b>	<b>0.0426</b>	<b>0.1352</b>	<b>0.3546</b>	<b>1.3600e-003</b>	<b>0.1228</b>	<b>1.7500e-003</b>	<b>0.1245</b>	<b>0.0327</b>	<b>1.6500e-003</b>	<b>0.0343</b>		<b>140.2264</b>	<b>140.2264</b>	<b>3.5800e-003</b>	<b>0.0105</b>	<b>143.4375</b>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**3.3 Grading - 2023**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.1101	0.0000	7.1101	3.4289	0.0000	3.4289			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560		1,995.6147	1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>7.1101</b>	<b>0.6044</b>	<b>7.7145</b>	<b>3.4289</b>	<b>0.5560</b>	<b>3.9849</b>		<b>1,995.6147</b>	<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0547	2.8754	0.7619	0.0150	0.4756	0.0328	0.5084	0.1304	0.0314	0.1618		1,597.0472	1,597.0472	0.0224	0.2517	1,672.6000
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	0.0287	0.0187	0.2352	6.7000e-004	0.0837	4.0000e-004	0.0841	0.0222	3.7000e-004	0.0226		67.8523	67.8523	2.0300e-003	1.9500e-003	68.4839
<b>Total</b>	<b>0.0834</b>	<b>2.8941</b>	<b>0.9971</b>	<b>0.0156</b>	<b>0.5593</b>	<b>0.0332</b>	<b>0.5925</b>	<b>0.1526</b>	<b>0.0318</b>	<b>0.1843</b>		<b>1,664.8995</b>	<b>1,664.8995</b>	<b>0.0244</b>	<b>0.2536</b>	<b>1,741.0839</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.7196	0.0000	2.7196	1.3116	0.0000	1.3116			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560	0.0000	1,995.6147	1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>2.7196</b>	<b>0.6044</b>	<b>3.3240</b>	<b>1.3116</b>	<b>0.5560</b>	<b>1.8676</b>	<b>0.0000</b>	<b>1,995.6147</b>	<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</b>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0547	2.8754	0.7619	0.0150	0.4756	0.0328	0.5084	0.1304	0.0314	0.1618		1,597.0472	1,597.0472	0.0224	0.2517	1,672.6000
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	0.0287	0.0187	0.2352	6.7000e-004	0.0837	4.0000e-004	0.0841	0.0222	3.7000e-004	0.0226		67.8523	67.8523	2.0300e-003	1.9500e-003	68.4839
<b>Total</b>	<b>0.0834</b>	<b>2.8941</b>	<b>0.9971</b>	<b>0.0156</b>	<b>0.5593</b>	<b>0.0332</b>	<b>0.5925</b>	<b>0.1526</b>	<b>0.0318</b>	<b>0.1843</b>		<b>1,664.8995</b>	<b>1,664.8995</b>	<b>0.0244</b>	<b>0.2536</b>	<b>1,741.0839</b>

**3.4 Building Construction - 2023**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>1.5233</b>	<b>11.7104</b>	<b>12.6111</b>	<b>0.0221</b>		<b>0.5145</b>	<b>0.5145</b>		<b>0.4968</b>	<b>0.4968</b>		<b>2,001.7877</b>	<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.8500e-003	0.1201	0.0531	5.6000e-004	0.0201	9.0000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		59.7676	59.7676	6.2000e-004	8.8600e-003	62.4223
Worker	0.0316	0.0206	0.2587	7.4000e-004	0.0920	4.4000e-004	0.0925	0.0244	4.1000e-004	0.0248		74.6375	74.6375	2.2300e-003	2.1400e-003	75.3323
<b>Total</b>	<b>0.0354</b>	<b>0.1407</b>	<b>0.3118</b>	<b>1.3000e-003</b>	<b>0.1121</b>	<b>1.3400e-003</b>	<b>0.1135</b>	<b>0.0302</b>	<b>1.2700e-003</b>	<b>0.0315</b>		<b>134.4051</b>	<b>134.4051</b>	<b>2.8500e-003</b>	<b>0.0110</b>	<b>137.7545</b>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>1.5233</b>	<b>11.7104</b>	<b>12.6111</b>	<b>0.0221</b>		<b>0.5145</b>	<b>0.5145</b>		<b>0.4968</b>	<b>0.4968</b>	<b>0.0000</b>	<b>2,001.7877</b>	<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.8500e-003	0.1201	0.0531	5.6000e-004	0.0201	9.0000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		59.7676	59.7676	6.2000e-004	8.8600e-003	62.4223
Worker	0.0316	0.0206	0.2587	7.4000e-004	0.0920	4.4000e-004	0.0925	0.0244	4.1000e-004	0.0248		74.6375	74.6375	2.2300e-003	2.1400e-003	75.3323
<b>Total</b>	<b>0.0354</b>	<b>0.1407</b>	<b>0.3118</b>	<b>1.3000e-003</b>	<b>0.1121</b>	<b>1.3400e-003</b>	<b>0.1135</b>	<b>0.0302</b>	<b>1.2700e-003</b>	<b>0.0315</b>		<b>134.4051</b>	<b>134.4051</b>	<b>2.8500e-003</b>	<b>0.0110</b>	<b>137.7545</b>

**3.4 Building Construction - 2024**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
<b>Total</b>	<b>1.4200</b>	<b>11.0639</b>	<b>12.5172</b>	<b>0.0221</b>		<b>0.4506</b>	<b>0.4506</b>		<b>0.4348</b>	<b>0.4348</b>		<b>2,001.9214</b>	<b>2,001.9214</b>	<b>0.3334</b>		<b>2,010.2563</b>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7900e-003	0.1200	0.0526	5.5000e-004	0.0201	8.9000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		58.8471	58.8471	6.4000e-004	8.7100e-003	61.4578
Worker	0.0295	0.0184	0.2424	7.2000e-004	0.0920	4.2000e-004	0.0925	0.0244	3.9000e-004	0.0248		72.2749	72.2749	2.0300e-003	2.0000e-003	72.9203
<b>Total</b>	<b>0.0333</b>	<b>0.1384</b>	<b>0.2949</b>	<b>1.2700e-003</b>	<b>0.1121</b>	<b>1.3100e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2500e-003</b>	<b>0.0314</b>		<b>131.1220</b>	<b>131.1220</b>	<b>2.6700e-003</b>	<b>0.0107</b>	<b>134.3781</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
<b>Total</b>	<b>1.4200</b>	<b>11.0639</b>	<b>12.5172</b>	<b>0.0221</b>		<b>0.4506</b>	<b>0.4506</b>		<b>0.4348</b>	<b>0.4348</b>	<b>0.0000</b>	<b>2,001.9214</b>	<b>2,001.9214</b>	<b>0.3334</b>		<b>2,010.2563</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7900e-003	0.1200	0.0526	5.5000e-004	0.0201	8.9000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		58.8471	58.8471	6.4000e-004	8.7100e-003	61.4578
Worker	0.0295	0.0184	0.2424	7.2000e-004	0.0920	4.2000e-004	0.0925	0.0244	3.9000e-004	0.0248		72.2749	72.2749	2.0300e-003	2.0000e-003	72.9203
<b>Total</b>	<b>0.0333</b>	<b>0.1384</b>	<b>0.2949</b>	<b>1.2700e-003</b>	<b>0.1121</b>	<b>1.3100e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2500e-003</b>	<b>0.0314</b>		<b>131.1220</b>	<b>131.1220</b>	<b>2.6700e-003</b>	<b>0.0107</b>	<b>134.3781</b>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**3.5 Architectural Coating - 2024**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.5654					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>5.7461</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>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.3600e-003	3.3400e-003	0.0441	1.3000e-004	0.0167	8.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		13.1409	13.1409	3.7000e-004	3.6000e-004	13.2582
<b>Total</b>	<b>5.3600e-003</b>	<b>3.3400e-003</b>	<b>0.0441</b>	<b>1.3000e-004</b>	<b>0.0167</b>	<b>8.0000e-005</b>	<b>0.0168</b>	<b>4.4400e-003</b>	<b>7.0000e-005</b>	<b>4.5100e-003</b>		<b>13.1409</b>	<b>13.1409</b>	<b>3.7000e-004</b>	<b>3.6000e-004</b>	<b>13.2582</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.5654					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>5.7461</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>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.3600e-003	3.3400e-003	0.0441	1.3000e-004	0.0167	8.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		13.1409	13.1409	3.7000e-004	3.6000e-004	13.2582
<b>Total</b>	<b>5.3600e-003</b>	<b>3.3400e-003</b>	<b>0.0441</b>	<b>1.3000e-004</b>	<b>0.0167</b>	<b>8.0000e-005</b>	<b>0.0168</b>	<b>4.4400e-003</b>	<b>7.0000e-005</b>	<b>4.5100e-003</b>		<b>13.1409</b>	<b>13.1409</b>	<b>3.7000e-004</b>	<b>3.6000e-004</b>	<b>13.2582</b>

**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					
Regulatory Compliance Baseline	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Baseline	Regulatory Compliance
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</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
Elementary School	12.50	4.20	5.40	65.00	30.00	5.00	63	25	12



Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189

**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 Regulatory Compliance	6.7800e-003	0.0617	0.0518	3.7000e-004		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003		73.9903	73.9903	1.4200e-003	1.3600e-003	74.4300
NaturalGas Baseline	6.7800e-003	0.0617	0.0518	3.7000e-004		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003		73.9903	73.9903	1.4200e-003	1.3600e-003	74.4300

**5.2 Energy by Land Use - NaturalGas**

**Baseline**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	628.918	6.7800e-003	0.0617	0.0518	3.7000e-004		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003		73.9903	73.9903	1.4200e-003	1.3600e-003	74.4300
<b>Total</b>		<b>6.7800e-003</b>	<b>0.0617</b>	<b>0.0518</b>	<b>3.7000e-004</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>73.9903</b>	<b>73.9903</b>	<b>1.4200e-003</b>	<b>1.3600e-003</b>	<b>74.4300</b>

Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**Regulatory Compliance**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.628918	6.7800e-003	0.0617	0.0518	3.7000e-004		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003		73.9903	73.9903	1.4200e-003	1.3600e-003	74.4300
<b>Total</b>		<b>6.7800e-003</b>	<b>0.0617</b>	<b>0.0518</b>	<b>3.7000e-004</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>73.9903</b>	<b>73.9903</b>	<b>1.4200e-003</b>	<b>1.3600e-003</b>	<b>74.4300</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Regulatory Compliance	0.5568	2.0000e-005	2.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.7800e-003	5.7800e-003	2.0000e-005		6.1600e-003
Baseline	0.7333	2.0000e-005	2.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.7800e-003	5.7800e-003	2.0000e-005		6.1600e-003

Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**6.2 Area by SubCategory**

**Baseline**

	ROG	NOx	CO	SO2	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	0.1677					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5653					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5000e-004	2.0000e-005	2.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.7800e-003	5.7800e-003	2.0000e-005		6.1600e-003
<b>Total</b>	<b>0.7333</b>	<b>2.0000e-005</b>	<b>2.6900e-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>5.7800e-003</b>	<b>5.7800e-003</b>	<b>2.0000e-005</b>		<b>6.1600e-003</b>

**Regulatory Compliance**

	ROG	NOx	CO	SO2	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	0.0335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5230					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5000e-004	2.0000e-005	2.6900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.7800e-003	5.7800e-003	2.0000e-005		6.1600e-003
<b>Total</b>	<b>0.5568</b>	<b>2.0000e-005</b>	<b>2.6900e-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>5.7800e-003</b>	<b>5.7800e-003</b>	<b>2.0000e-005</b>		<b>6.1600e-003</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Landau Construction - Phase 1 - Riverside-Salton Sea County, Winter

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

**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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Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**Landau Construction - Phase 2-3  
Riverside-Salton Sea County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	26.76	1000sqft	2.60	26,758.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10	<b>Operational Year</b>		2025	

**Utility Company** Southern California Edison

<b>CO2 Intensity (lb/MW hr)</b>	390.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004
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**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Phase 2-3 construction area is approximately 2.6 acres.

Construction Phase - Construction schedule per Schematic Design Submittal (November 2021).

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Limited equipment for MPR renovation.

Off-road Equipment -

Demolition -

Architectural Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Vehicle Trips - Construction only.

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Trips and VMT -

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

Area Coating -

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	23.00
tblConstructionPhase	NumDays	220.00	238.00
tblConstructionPhase	NumDays	220.00	44.00
tblConstructionPhase	NumDays	20.00	66.00
tblLandUse	LandUseSquareFeet	26,760.00	26,758.00
tblLandUse	LotAcreage	0.61	2.60
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblVehicleTrips	WD_TR	19.52	0.00







Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2024	7/31/2024	5	66	1
2	Building Construction	Building Construction	8/1/2024	6/30/2025	5	238	2
3	MPR Renovation	Building Construction	6/1/2025	7/31/2025	5	44	3
4	Architectural Coating	Architectural Coating	7/1/2025	7/31/2025	5	23	5
5	Paving	Paving	7/18/2025	7/31/2025	5	10	4

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 40,137; Non-Residential Outdoor: 13,379; Striped Parking Area: 0 (Architectural**

## Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
MPR Renovation	Air Compressors	1	8.00	78	0.48
MPR Renovation	Cranes	0	0.00	231	0.29
MPR Renovation	Forklifts	0	0.00	89	0.20
MPR Renovation	Generator Sets	0	0.00	84	0.74
MPR Renovation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
MPR Renovation	Welders	0	0.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	106.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	11.00	4.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
MPR Renovation	1	11.00	4.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	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

**3.1 Mitigation Measures Construction**

- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2024**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3495	0.0000	0.3495	0.0529	0.0000	0.0529			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
<b>Total</b>	<b>1.4397</b>	<b>13.8867</b>	<b>13.4879</b>	<b>0.0241</b>	<b>0.3495</b>	<b>0.6311</b>	<b>0.9806</b>	<b>0.0529</b>	<b>0.5895</b>	<b>0.6424</b>		<b>2,324.9459</b>	<b>2,324.9459</b>	<b>0.5884</b>		<b>2,339.6562</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.5100e-003	0.1608	0.0446	8.7000e-004	0.0281	1.9200e-003	0.0300	7.7100e-003	1.8400e-003	9.5500e-003		92.7033	92.7033	1.4100e-003	0.0146	97.0926
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	0.0380	0.0209	0.3469	9.3000e-004	0.1088	5.0000e-004	0.1093	0.0289	4.6000e-004	0.0293		94.2042	94.2042	2.3500e-003	2.3000e-003	94.9494
<b>Total</b>	<b>0.0415</b>	<b>0.1818</b>	<b>0.3915</b>	<b>1.8000e-003</b>	<b>0.1369</b>	<b>2.4200e-003</b>	<b>0.1393</b>	<b>0.0366</b>	<b>2.3000e-003</b>	<b>0.0389</b>		<b>186.9076</b>	<b>186.9076</b>	<b>3.7600e-003</b>	<b>0.0169</b>	<b>192.0420</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1337	0.0000	0.1337	0.0202	0.0000	0.0202			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
<b>Total</b>	<b>1.4397</b>	<b>13.8867</b>	<b>13.4879</b>	<b>0.0241</b>	<b>0.1337</b>	<b>0.6311</b>	<b>0.7648</b>	<b>0.0202</b>	<b>0.5895</b>	<b>0.6097</b>	<b>0.0000</b>	<b>2,324.9459</b>	<b>2,324.9459</b>	<b>0.5884</b>		<b>2,339.6562</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.5100e-003	0.1608	0.0446	8.7000e-004	0.0281	1.9200e-003	0.0300	7.7100e-003	1.8400e-003	9.5500e-003		92.7033	92.7033	1.4100e-003	0.0146	97.0926
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	0.0380	0.0209	0.3469	9.3000e-004	0.1088	5.0000e-004	0.1093	0.0289	4.6000e-004	0.0293		94.2042	94.2042	2.3500e-003	2.3000e-003	94.9494
<b>Total</b>	<b>0.0415</b>	<b>0.1818</b>	<b>0.3915</b>	<b>1.8000e-003</b>	<b>0.1369</b>	<b>2.4200e-003</b>	<b>0.1393</b>	<b>0.0366</b>	<b>2.3000e-003</b>	<b>0.0389</b>		<b>186.9076</b>	<b>186.9076</b>	<b>3.7600e-003</b>	<b>0.0169</b>	<b>192.0420</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**3.3 Building Construction - 2024**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
<b>Total</b>	<b>1.5971</b>	<b>12.8235</b>	<b>14.1002</b>	<b>0.0250</b>		<b>0.5381</b>	<b>0.5381</b>		<b>0.5153</b>	<b>0.5153</b>		<b>2,289.6541</b>	<b>2,289.6541</b>	<b>0.4265</b>		<b>2,300.3154</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.1300e-003	0.1131	0.0507	5.5000e-004	0.0201	8.9000e-004	0.0210	5.7800e-003	8.5000e-004	6.6300e-003		58.6647	58.6647	6.5000e-004	8.6700e-003	61.2655
Worker	0.0321	0.0177	0.2935	7.9000e-004	0.0920	4.2000e-004	0.0925	0.0244	3.9000e-004	0.0248		79.7113	79.7113	1.9900e-003	1.9500e-003	80.3418
<b>Total</b>	<b>0.0363</b>	<b>0.1308</b>	<b>0.3443</b>	<b>1.3400e-003</b>	<b>0.1121</b>	<b>1.3100e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2400e-003</b>	<b>0.0314</b>		<b>138.3760</b>	<b>138.3760</b>	<b>2.6400e-003</b>	<b>0.0106</b>	<b>141.6073</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
<b>Total</b>	<b>1.5971</b>	<b>12.8235</b>	<b>14.1002</b>	<b>0.0250</b>		<b>0.5381</b>	<b>0.5381</b>		<b>0.5153</b>	<b>0.5153</b>	<b>0.0000</b>	<b>2,289.6541</b>	<b>2,289.6541</b>	<b>0.4265</b>		<b>2,300.3154</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.1300e-003	0.1131	0.0507	5.5000e-004	0.0201	8.9000e-004	0.0210	5.7800e-003	8.5000e-004	6.6300e-003		58.6647	58.6647	6.5000e-004	8.6700e-003	61.2655
Worker	0.0321	0.0177	0.2935	7.9000e-004	0.0920	4.2000e-004	0.0925	0.0244	3.9000e-004	0.0248		79.7113	79.7113	1.9900e-003	1.9500e-003	80.3418
<b>Total</b>	<b>0.0363</b>	<b>0.1308</b>	<b>0.3443</b>	<b>1.3400e-003</b>	<b>0.1121</b>	<b>1.3100e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2400e-003</b>	<b>0.0314</b>		<b>138.3760</b>	<b>138.3760</b>	<b>2.6400e-003</b>	<b>0.0106</b>	<b>141.6073</b>

**3.3 Building Construction - 2025**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498		2,289.8898	2,289.8898	0.4200		2,300.3887
<b>Total</b>	<b>1.4897</b>	<b>12.0233</b>	<b>14.0072</b>	<b>0.0250</b>		<b>0.4700</b>	<b>0.4700</b>		<b>0.4498</b>	<b>0.4498</b>		<b>2,289.8898</b>	<b>2,289.8898</b>	<b>0.4200</b>		<b>2,300.3887</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.0800e-003	0.1122	0.0502	5.4000e-004	0.0201	8.9000e-004	0.0210	5.7800e-003	8.5000e-004	6.6300e-003		57.6298	57.6298	6.8000e-004	8.5000e-003	60.1807
Worker	0.0300	0.0159	0.2733	7.6000e-004	0.0920	4.0000e-004	0.0924	0.0244	3.7000e-004	0.0248		76.9932	76.9932	1.8000e-003	1.8200e-003	77.5810
<b>Total</b>	<b>0.0341</b>	<b>0.1281</b>	<b>0.3235</b>	<b>1.3000e-003</b>	<b>0.1121</b>	<b>1.2900e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2200e-003</b>	<b>0.0314</b>		<b>134.6230</b>	<b>134.6230</b>	<b>2.4800e-003</b>	<b>0.0103</b>	<b>137.7617</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498	0.0000	2,289.8898	2,289.8898	0.4200		2,300.3887
<b>Total</b>	<b>1.4897</b>	<b>12.0233</b>	<b>14.0072</b>	<b>0.0250</b>		<b>0.4700</b>	<b>0.4700</b>		<b>0.4498</b>	<b>0.4498</b>	<b>0.0000</b>	<b>2,289.8898</b>	<b>2,289.8898</b>	<b>0.4200</b>		<b>2,300.3887</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.0800e-003	0.1122	0.0502	5.4000e-004	0.0201	8.9000e-004	0.0210	5.7800e-003	8.5000e-004	6.6300e-003		57.6298	57.6298	6.8000e-004	8.5000e-003	60.1807
Worker	0.0300	0.0159	0.2733	7.6000e-004	0.0920	4.0000e-004	0.0924	0.0244	3.7000e-004	0.0248		76.9932	76.9932	1.8000e-003	1.8200e-003	77.5810
<b>Total</b>	<b>0.0341</b>	<b>0.1281</b>	<b>0.3235</b>	<b>1.3000e-003</b>	<b>0.1121</b>	<b>1.2900e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2200e-003</b>	<b>0.0314</b>		<b>134.6230</b>	<b>134.6230</b>	<b>2.4800e-003</b>	<b>0.0103</b>	<b>137.7617</b>

**3.4 MPR Renovation - 2025**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687		375.2641	375.2641	0.0205		375.7758
<b>Total</b>	<b>0.2278</b>	<b>1.5273</b>	<b>2.4122</b>	<b>3.9600e-003</b>		<b>0.0687</b>	<b>0.0687</b>		<b>0.0687</b>	<b>0.0687</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0205</b>		<b>375.7758</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.0800e-003	0.1122	0.0502	5.4000e-004	0.0201	8.9000e-004	0.0210	5.7800e-003	8.5000e-004	6.6300e-003		57.6298	57.6298	6.8000e-004	8.5000e-003	60.1807
Worker	0.0300	0.0159	0.2733	7.6000e-004	0.0920	4.0000e-004	0.0924	0.0244	3.7000e-004	0.0248		76.9932	76.9932	1.8000e-003	1.8200e-003	77.5810
<b>Total</b>	<b>0.0341</b>	<b>0.1281</b>	<b>0.3235</b>	<b>1.3000e-003</b>	<b>0.1121</b>	<b>1.2900e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2200e-003</b>	<b>0.0314</b>		<b>134.6230</b>	<b>134.6230</b>	<b>2.4800e-003</b>	<b>0.0103</b>	<b>137.7617</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687	0.0000	375.2641	375.2641	0.0205		375.7758
<b>Total</b>	<b>0.2278</b>	<b>1.5273</b>	<b>2.4122</b>	<b>3.9600e-003</b>		<b>0.0687</b>	<b>0.0687</b>		<b>0.0687</b>	<b>0.0687</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0205</b>		<b>375.7758</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.0800e-003	0.1122	0.0502	5.4000e-004	0.0201	8.9000e-004	0.0210	5.7800e-003	8.5000e-004	6.6300e-003		57.6298	57.6298	6.8000e-004	8.5000e-003	60.1807
Worker	0.0300	0.0159	0.2733	7.6000e-004	0.0920	4.0000e-004	0.0924	0.0244	3.7000e-004	0.0248		76.9932	76.9932	1.8000e-003	1.8200e-003	77.5810
<b>Total</b>	<b>0.0341</b>	<b>0.1281</b>	<b>0.3235</b>	<b>1.3000e-003</b>	<b>0.1121</b>	<b>1.2900e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2200e-003</b>	<b>0.0314</b>		<b>134.6230</b>	<b>134.6230</b>	<b>2.4800e-003</b>	<b>0.0103</b>	<b>137.7617</b>



Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**3.5 Architectural Coating - 2025**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.3923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.5632</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.4500e-003	2.8900e-003	0.0497	1.4000e-004	0.0167	7.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		13.9988	13.9988	3.3000e-004	3.3000e-004	14.1056
<b>Total</b>	<b>5.4500e-003</b>	<b>2.8900e-003</b>	<b>0.0497</b>	<b>1.4000e-004</b>	<b>0.0167</b>	<b>7.0000e-005</b>	<b>0.0168</b>	<b>4.4400e-003</b>	<b>7.0000e-005</b>	<b>4.5100e-003</b>		<b>13.9988</b>	<b>13.9988</b>	<b>3.3000e-004</b>	<b>3.3000e-004</b>	<b>14.1056</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.3923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.5632</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.4500e-003	2.8900e-003	0.0497	1.4000e-004	0.0167	7.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		13.9988	13.9988	3.3000e-004	3.3000e-004	14.1056
<b>Total</b>	<b>5.4500e-003</b>	<b>2.8900e-003</b>	<b>0.0497</b>	<b>1.4000e-004</b>	<b>0.0167</b>	<b>7.0000e-005</b>	<b>0.0168</b>	<b>4.4400e-003</b>	<b>7.0000e-005</b>	<b>4.5100e-003</b>		<b>13.9988</b>	<b>13.9988</b>	<b>3.3000e-004</b>	<b>3.3000e-004</b>	<b>14.1056</b>

**3.6 Paving - 2025**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234		1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7854</b>	<b>7.4371</b>	<b>11.6737</b>	<b>0.0179</b>		<b>0.3503</b>	<b>0.3503</b>		<b>0.3234</b>	<b>0.3234</b>		<b>1,710.0067</b>	<b>1,710.0067</b>	<b>0.5420</b>		<b>1,723.5556</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0409	0.0217	0.3727	1.0400e-003	0.1255	5.5000e-004	0.1261	0.0333	5.0000e-004	0.0338		104.9907	104.9907	2.4500e-003	2.4800e-003	105.7923
<b>Total</b>	<b>0.0409</b>	<b>0.0217</b>	<b>0.3727</b>	<b>1.0400e-003</b>	<b>0.1255</b>	<b>5.5000e-004</b>	<b>0.1261</b>	<b>0.0333</b>	<b>5.0000e-004</b>	<b>0.0338</b>		<b>104.9907</b>	<b>104.9907</b>	<b>2.4500e-003</b>	<b>2.4800e-003</b>	<b>105.7923</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234	0.0000	1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7854</b>	<b>7.4371</b>	<b>11.6737</b>	<b>0.0179</b>		<b>0.3503</b>	<b>0.3503</b>		<b>0.3234</b>	<b>0.3234</b>	<b>0.0000</b>	<b>1,710.0067</b>	<b>1,710.0067</b>	<b>0.5420</b>		<b>1,723.5556</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0409	0.0217	0.3727	1.0400e-003	0.1255	5.5000e-004	0.1261	0.0333	5.0000e-004	0.0338		104.9907	104.9907	2.4500e-003	2.4800e-003	105.7923
<b>Total</b>	<b>0.0409</b>	<b>0.0217</b>	<b>0.3727</b>	<b>1.0400e-003</b>	<b>0.1255</b>	<b>5.5000e-004</b>	<b>0.1261</b>	<b>0.0333</b>	<b>5.0000e-004</b>	<b>0.0338</b>		<b>104.9907</b>	<b>104.9907</b>	<b>2.4500e-003</b>	<b>2.4800e-003</b>	<b>105.7923</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Regulatory Compliance	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Baseline	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Baseline	Regulatory Compliance
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

**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
Elementary School	12.50	4.20	5.40	65.00	30.00	5.00	63	25	12

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

**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					
Natural Gas Regulatory Compliance	6.8700e-003	0.0625	0.0525	3.7000e-004		4.7500e-003	4.7500e-003		4.7500e-003	4.7500e-003		74.9483	74.9483	1.4400e-003	1.3700e-003	75.3937
Natural Gas Baseline	6.8700e-003	0.0625	0.0525	3.7000e-004		4.7500e-003	4.7500e-003		4.7500e-003	4.7500e-003		74.9483	74.9483	1.4400e-003	1.3700e-003	75.3937

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

**Baseline**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	637.06	6.8700e-003	0.0625	0.0525	3.7000e-004		4.7500e-003	4.7500e-003		4.7500e-003	4.7500e-003		74.9483	74.9483	1.4400e-003	1.3700e-003	75.3937
<b>Total</b>		<b>6.8700e-003</b>	<b>0.0625</b>	<b>0.0525</b>	<b>3.7000e-004</b>		<b>4.7500e-003</b>	<b>4.7500e-003</b>		<b>4.7500e-003</b>	<b>4.7500e-003</b>		<b>74.9483</b>	<b>74.9483</b>	<b>1.4400e-003</b>	<b>1.3700e-003</b>	<b>75.3937</b>

**Regulatory Compliance**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.63706	6.8700e-003	0.0625	0.0525	3.7000e-004		4.7500e-003	4.7500e-003		4.7500e-003	4.7500e-003		74.9483	74.9483	1.4400e-003	1.3700e-003	75.3937
<b>Total</b>		<b>6.8700e-003</b>	<b>0.0625</b>	<b>0.0525</b>	<b>3.7000e-004</b>		<b>4.7500e-003</b>	<b>4.7500e-003</b>		<b>4.7500e-003</b>	<b>4.7500e-003</b>		<b>74.9483</b>	<b>74.9483</b>	<b>1.4400e-003</b>	<b>1.3700e-003</b>	<b>75.3937</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Regulatory Compliance	0.5640	2.0000e-005	2.7300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8600e-003	5.8600e-003	2.0000e-005		6.2400e-003
Baseline	0.7428	2.0000e-005	2.7300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8600e-003	5.8600e-003	2.0000e-005		6.2400e-003

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**6.2 Area by SubCategory**

**Baseline**

	ROG	NOx	CO	SO2	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	0.1699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5726					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8600e-003	5.8600e-003	2.0000e-005		6.2400e-003
<b>Total</b>	<b>0.7428</b>	<b>2.0000e-005</b>	<b>2.7300e-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>5.8600e-003</b>	<b>5.8600e-003</b>	<b>2.0000e-005</b>		<b>6.2400e-003</b>

**Regulatory Compliance**

	ROG	NOx	CO	SO2	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	0.0340					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8600e-003	5.8600e-003	2.0000e-005		6.2400e-003
<b>Total</b>	<b>0.5640</b>	<b>2.0000e-005</b>	<b>2.7300e-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>5.8600e-003</b>	<b>5.8600e-003</b>	<b>2.0000e-005</b>		<b>6.2400e-003</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Summer

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

**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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Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**Landau Construction - Phase 2-3  
Riverside-Salton Sea County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	26.76	1000sqft	2.60	26,758.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2025
<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 - Phase 2-3 construction area is approximately 2.6 acres.

Construction Phase - Construction schedule per Schematic Design Submittal (November 2021).

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Limited equipment for MPR renovation.

Off-road Equipment -

Demolition -

Architectural Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Vehicle Trips - Construction only.

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.



Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

Trips and VMT -

Area Coating -

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	23.00
tblConstructionPhase	NumDays	220.00	238.00
tblConstructionPhase	NumDays	220.00	44.00
tblConstructionPhase	NumDays	20.00	66.00
tblLandUse	LandUseSquareFeet	26,760.00	26,758.00
tblLandUse	LotAcreage	0.61	2.60
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblVehicleTrips	WD_TR	19.52	0.00





Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2024	7/31/2024	5	66	1
2	Building Construction	Building Construction	8/1/2024	6/30/2025	5	238	2
3	MPR Renovation	Building Construction	6/1/2025	7/31/2025	5	44	3
4	Architectural Coating	Architectural Coating	7/1/2025	7/31/2025	5	23	5
5	Paving	Paving	7/18/2025	7/31/2025	5	10	4

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 40,137; Non-Residential Outdoor: 13,379; Striped Parking Area: 0 (Architectural**

## Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
MPR Renovation	Air Compressors	1	8.00	78	0.48
MPR Renovation	Cranes	0	0.00	231	0.29
MPR Renovation	Forklifts	0	0.00	89	0.20
MPR Renovation	Generator Sets	0	0.00	84	0.74
MPR Renovation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
MPR Renovation	Welders	0	0.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	106.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	11.00	4.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
MPR Renovation	1	11.00	4.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	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

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2024**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3495	0.0000	0.3495	0.0529	0.0000	0.0529			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
<b>Total</b>	<b>1.4397</b>	<b>13.8867</b>	<b>13.4879</b>	<b>0.0241</b>	<b>0.3495</b>	<b>0.6311</b>	<b>0.9806</b>	<b>0.0529</b>	<b>0.5895</b>	<b>0.6424</b>		<b>2,324.9459</b>	<b>2,324.9459</b>	<b>0.5884</b>		<b>2,339.6562</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.2200e-003	0.1704	0.0455	8.7000e-004	0.0281	1.9300e-003	0.0300	7.7100e-003	1.8400e-003	9.5500e-003		92.8488	92.8488	1.4000e-003	0.0146	97.2447
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	0.0348	0.0217	0.2864	8.5000e-004	0.1088	5.0000e-004	0.1093	0.0289	4.6000e-004	0.0293		85.4158	85.4158	2.4000e-003	2.3600e-003	86.1785
<b>Total</b>	<b>0.0381</b>	<b>0.1922</b>	<b>0.3319</b>	<b>1.7200e-003</b>	<b>0.1369</b>	<b>2.4300e-003</b>	<b>0.1393</b>	<b>0.0366</b>	<b>2.3000e-003</b>	<b>0.0389</b>		<b>178.2646</b>	<b>178.2646</b>	<b>3.8000e-003</b>	<b>0.0170</b>	<b>183.4232</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1337	0.0000	0.1337	0.0202	0.0000	0.0202			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
<b>Total</b>	<b>1.4397</b>	<b>13.8867</b>	<b>13.4879</b>	<b>0.0241</b>	<b>0.1337</b>	<b>0.6311</b>	<b>0.7648</b>	<b>0.0202</b>	<b>0.5895</b>	<b>0.6097</b>	<b>0.0000</b>	<b>2,324.9459</b>	<b>2,324.9459</b>	<b>0.5884</b>		<b>2,339.6562</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.2200e-003	0.1704	0.0455	8.7000e-004	0.0281	1.9300e-003	0.0300	7.7100e-003	1.8400e-003	9.5500e-003		92.8488	92.8488	1.4000e-003	0.0146	97.2447
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	0.0348	0.0217	0.2864	8.5000e-004	0.1088	5.0000e-004	0.1093	0.0289	4.6000e-004	0.0293		85.4158	85.4158	2.4000e-003	2.3600e-003	86.1785
<b>Total</b>	<b>0.0381</b>	<b>0.1922</b>	<b>0.3319</b>	<b>1.7200e-003</b>	<b>0.1369</b>	<b>2.4300e-003</b>	<b>0.1393</b>	<b>0.0366</b>	<b>2.3000e-003</b>	<b>0.0389</b>		<b>178.2646</b>	<b>178.2646</b>	<b>3.8000e-003</b>	<b>0.0170</b>	<b>183.4232</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**3.3 Building Construction - 2024**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
<b>Total</b>	<b>1.5971</b>	<b>12.8235</b>	<b>14.1002</b>	<b>0.0250</b>		<b>0.5381</b>	<b>0.5381</b>		<b>0.5153</b>	<b>0.5153</b>		<b>2,289.6541</b>	<b>2,289.6541</b>	<b>0.4265</b>		<b>2,300.3154</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7900e-003	0.1200	0.0526	5.5000e-004	0.0201	8.9000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		58.8471	58.8471	6.4000e-004	8.7100e-003	61.4578
Worker	0.0295	0.0184	0.2424	7.2000e-004	0.0920	4.2000e-004	0.0925	0.0244	3.9000e-004	0.0248		72.2749	72.2749	2.0300e-003	2.0000e-003	72.9203
<b>Total</b>	<b>0.0333</b>	<b>0.1384</b>	<b>0.2949</b>	<b>1.2700e-003</b>	<b>0.1121</b>	<b>1.3100e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2500e-003</b>	<b>0.0314</b>		<b>131.1220</b>	<b>131.1220</b>	<b>2.6700e-003</b>	<b>0.0107</b>	<b>134.3781</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
<b>Total</b>	<b>1.5971</b>	<b>12.8235</b>	<b>14.1002</b>	<b>0.0250</b>		<b>0.5381</b>	<b>0.5381</b>		<b>0.5153</b>	<b>0.5153</b>	<b>0.0000</b>	<b>2,289.6541</b>	<b>2,289.6541</b>	<b>0.4265</b>		<b>2,300.3154</b>



Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7900e-003	0.1200	0.0526	5.5000e-004	0.0201	8.9000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		58.8471	58.8471	6.4000e-004	8.7100e-003	61.4578
Worker	0.0295	0.0184	0.2424	7.2000e-004	0.0920	4.2000e-004	0.0925	0.0244	3.9000e-004	0.0248		72.2749	72.2749	2.0300e-003	2.0000e-003	72.9203
<b>Total</b>	<b>0.0333</b>	<b>0.1384</b>	<b>0.2949</b>	<b>1.2700e-003</b>	<b>0.1121</b>	<b>1.3100e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2500e-003</b>	<b>0.0314</b>		<b>131.1220</b>	<b>131.1220</b>	<b>2.6700e-003</b>	<b>0.0107</b>	<b>134.3781</b>

**3.3 Building Construction - 2025**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498		2,289.8898	2,289.8898	0.4200		2,300.3887
<b>Total</b>	<b>1.4897</b>	<b>12.0233</b>	<b>14.0072</b>	<b>0.0250</b>		<b>0.4700</b>	<b>0.4700</b>		<b>0.4498</b>	<b>0.4498</b>		<b>2,289.8898</b>	<b>2,289.8898</b>	<b>0.4200</b>		<b>2,300.3887</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7400e-003	0.1191	0.0520	5.4000e-004	0.0201	9.0000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		57.8100	57.8100	6.6000e-004	8.5400e-003	60.3706
Worker	0.0276	0.0165	0.2261	6.9000e-004	0.0920	4.0000e-004	0.0924	0.0244	3.7000e-004	0.0248		69.8288	69.8288	1.8400e-003	1.8600e-003	70.4305
<b>Total</b>	<b>0.0313</b>	<b>0.1356</b>	<b>0.2781</b>	<b>1.2300e-003</b>	<b>0.1121</b>	<b>1.3000e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2300e-003</b>	<b>0.0314</b>		<b>127.6388</b>	<b>127.6388</b>	<b>2.5000e-003</b>	<b>0.0104</b>	<b>130.8010</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498	0.0000	2,289.8898	2,289.8898	0.4200		2,300.3887
<b>Total</b>	<b>1.4897</b>	<b>12.0233</b>	<b>14.0072</b>	<b>0.0250</b>		<b>0.4700</b>	<b>0.4700</b>		<b>0.4498</b>	<b>0.4498</b>	<b>0.0000</b>	<b>2,289.8898</b>	<b>2,289.8898</b>	<b>0.4200</b>		<b>2,300.3887</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7400e-003	0.1191	0.0520	5.4000e-004	0.0201	9.0000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		57.8100	57.8100	6.6000e-004	8.5400e-003	60.3706
Worker	0.0276	0.0165	0.2261	6.9000e-004	0.0920	4.0000e-004	0.0924	0.0244	3.7000e-004	0.0248		69.8288	69.8288	1.8400e-003	1.8600e-003	70.4305
<b>Total</b>	<b>0.0313</b>	<b>0.1356</b>	<b>0.2781</b>	<b>1.2300e-003</b>	<b>0.1121</b>	<b>1.3000e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2300e-003</b>	<b>0.0314</b>		<b>127.6388</b>	<b>127.6388</b>	<b>2.5000e-003</b>	<b>0.0104</b>	<b>130.8010</b>

**3.4 MPR Renovation - 2025**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687		375.2641	375.2641	0.0205		375.7758
<b>Total</b>	<b>0.2278</b>	<b>1.5273</b>	<b>2.4122</b>	<b>3.9600e-003</b>		<b>0.0687</b>	<b>0.0687</b>		<b>0.0687</b>	<b>0.0687</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0205</b>		<b>375.7758</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7400e-003	0.1191	0.0520	5.4000e-004	0.0201	9.0000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		57.8100	57.8100	6.6000e-004	8.5400e-003	60.3706
Worker	0.0276	0.0165	0.2261	6.9000e-004	0.0920	4.0000e-004	0.0924	0.0244	3.7000e-004	0.0248		69.8288	69.8288	1.8400e-003	1.8600e-003	70.4305
<b>Total</b>	<b>0.0313</b>	<b>0.1356</b>	<b>0.2781</b>	<b>1.2300e-003</b>	<b>0.1121</b>	<b>1.3000e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2300e-003</b>	<b>0.0314</b>		<b>127.6388</b>	<b>127.6388</b>	<b>2.5000e-003</b>	<b>0.0104</b>	<b>130.8010</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687	0.0000	375.2641	375.2641	0.0205		375.7758
<b>Total</b>	<b>0.2278</b>	<b>1.5273</b>	<b>2.4122</b>	<b>3.9600e-003</b>		<b>0.0687</b>	<b>0.0687</b>		<b>0.0687</b>	<b>0.0687</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0205</b>		<b>375.7758</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7400e-003	0.1191	0.0520	5.4000e-004	0.0201	9.0000e-004	0.0210	5.7800e-003	8.6000e-004	6.6400e-003		57.8100	57.8100	6.6000e-004	8.5400e-003	60.3706
Worker	0.0276	0.0165	0.2261	6.9000e-004	0.0920	4.0000e-004	0.0924	0.0244	3.7000e-004	0.0248		69.8288	69.8288	1.8400e-003	1.8600e-003	70.4305
<b>Total</b>	<b>0.0313</b>	<b>0.1356</b>	<b>0.2781</b>	<b>1.2300e-003</b>	<b>0.1121</b>	<b>1.3000e-003</b>	<b>0.1134</b>	<b>0.0302</b>	<b>1.2300e-003</b>	<b>0.0314</b>		<b>127.6388</b>	<b>127.6388</b>	<b>2.5000e-003</b>	<b>0.0104</b>	<b>130.8010</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**3.5 Architectural Coating - 2025**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.3923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.5632</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0100e-003	3.0000e-003	0.0411	1.3000e-004	0.0167	7.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		12.6962	12.6962	3.3000e-004	3.4000e-004	12.8055
<b>Total</b>	<b>5.0100e-003</b>	<b>3.0000e-003</b>	<b>0.0411</b>	<b>1.3000e-004</b>	<b>0.0167</b>	<b>7.0000e-005</b>	<b>0.0168</b>	<b>4.4400e-003</b>	<b>7.0000e-005</b>	<b>4.5100e-003</b>		<b>12.6962</b>	<b>12.6962</b>	<b>3.3000e-004</b>	<b>3.4000e-004</b>	<b>12.8055</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.3923					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.5632</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0100e-003	3.0000e-003	0.0411	1.3000e-004	0.0167	7.0000e-005	0.0168	4.4400e-003	7.0000e-005	4.5100e-003		12.6962	12.6962	3.3000e-004	3.4000e-004	12.8055
<b>Total</b>	<b>5.0100e-003</b>	<b>3.0000e-003</b>	<b>0.0411</b>	<b>1.3000e-004</b>	<b>0.0167</b>	<b>7.0000e-005</b>	<b>0.0168</b>	<b>4.4400e-003</b>	<b>7.0000e-005</b>	<b>4.5100e-003</b>		<b>12.6962</b>	<b>12.6962</b>	<b>3.3000e-004</b>	<b>3.4000e-004</b>	<b>12.8055</b>

**3.6 Paving - 2025**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234		1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7854</b>	<b>7.4371</b>	<b>11.6737</b>	<b>0.0179</b>		<b>0.3503</b>	<b>0.3503</b>		<b>0.3234</b>	<b>0.3234</b>		<b>1,710.0067</b>	<b>1,710.0067</b>	<b>0.5420</b>		<b>1,723.5556</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0376	0.0225	0.3083	9.4000e-004	0.1255	5.5000e-004	0.1261	0.0333	5.0000e-004	0.0338		95.2211	95.2211	2.5100e-003	2.5400e-003	96.0415
<b>Total</b>	<b>0.0376</b>	<b>0.0225</b>	<b>0.3083</b>	<b>9.4000e-004</b>	<b>0.1255</b>	<b>5.5000e-004</b>	<b>0.1261</b>	<b>0.0333</b>	<b>5.0000e-004</b>	<b>0.0338</b>		<b>95.2211</b>	<b>95.2211</b>	<b>2.5100e-003</b>	<b>2.5400e-003</b>	<b>96.0415</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234	0.0000	1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7854</b>	<b>7.4371</b>	<b>11.6737</b>	<b>0.0179</b>		<b>0.3503</b>	<b>0.3503</b>		<b>0.3234</b>	<b>0.3234</b>	<b>0.0000</b>	<b>1,710.0067</b>	<b>1,710.0067</b>	<b>0.5420</b>		<b>1,723.5556</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0376	0.0225	0.3083	9.4000e-004	0.1255	5.5000e-004	0.1261	0.0333	5.0000e-004	0.0338		95.2211	95.2211	2.5100e-003	2.5400e-003	96.0415
<b>Total</b>	<b>0.0376</b>	<b>0.0225</b>	<b>0.3083</b>	<b>9.4000e-004</b>	<b>0.1255</b>	<b>5.5000e-004</b>	<b>0.1261</b>	<b>0.0333</b>	<b>5.0000e-004</b>	<b>0.0338</b>		<b>95.2211</b>	<b>95.2211</b>	<b>2.5100e-003</b>	<b>2.5400e-003</b>	<b>96.0415</b>

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Regulatory Compliance	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Baseline	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Baseline	Regulatory Compliance
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

**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
Elementary School	12.50	4.20	5.40	65.00	30.00	5.00	63	25	12

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

**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					
Natural Gas Regulatory Compliance	6.8700e-003	0.0625	0.0525	3.7000e-004		4.7500e-003	4.7500e-003		4.7500e-003	4.7500e-003		74.9483	74.9483	1.4400e-003	1.3700e-003	75.3937
Natural Gas Baseline	6.8700e-003	0.0625	0.0525	3.7000e-004		4.7500e-003	4.7500e-003		4.7500e-003	4.7500e-003		74.9483	74.9483	1.4400e-003	1.3700e-003	75.3937

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**5.2 Energy by Land Use - NaturalGas**

**Baseline**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	637.06	6.8700e-003	0.0625	0.0525	3.7000e-004		4.7500e-003	4.7500e-003		4.7500e-003	4.7500e-003		74.9483	74.9483	1.4400e-003	1.3700e-003	75.3937
<b>Total</b>		<b>6.8700e-003</b>	<b>0.0625</b>	<b>0.0525</b>	<b>3.7000e-004</b>		<b>4.7500e-003</b>	<b>4.7500e-003</b>		<b>4.7500e-003</b>	<b>4.7500e-003</b>		<b>74.9483</b>	<b>74.9483</b>	<b>1.4400e-003</b>	<b>1.3700e-003</b>	<b>75.3937</b>

**Regulatory Compliance**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	0.63706	6.8700e-003	0.0625	0.0525	3.7000e-004		4.7500e-003	4.7500e-003		4.7500e-003	4.7500e-003		74.9483	74.9483	1.4400e-003	1.3700e-003	75.3937
<b>Total</b>		<b>6.8700e-003</b>	<b>0.0625</b>	<b>0.0525</b>	<b>3.7000e-004</b>		<b>4.7500e-003</b>	<b>4.7500e-003</b>		<b>4.7500e-003</b>	<b>4.7500e-003</b>		<b>74.9483</b>	<b>74.9483</b>	<b>1.4400e-003</b>	<b>1.3700e-003</b>	<b>75.3937</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Regulatory Compliance	0.5640	2.0000e-005	2.7300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8600e-003	5.8600e-003	2.0000e-005		6.2400e-003
Baseline	0.7428	2.0000e-005	2.7300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8600e-003	5.8600e-003	2.0000e-005		6.2400e-003



Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**6.2 Area by SubCategory**

**Baseline**

	ROG	NOx	CO	SO2	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	0.1699					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5726					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8600e-003	5.8600e-003	2.0000e-005		6.2400e-003
<b>Total</b>	<b>0.7428</b>	<b>2.0000e-005</b>	<b>2.7300e-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>5.8600e-003</b>	<b>5.8600e-003</b>	<b>2.0000e-005</b>		<b>6.2400e-003</b>

**Regulatory Compliance**

	ROG	NOx	CO	SO2	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	0.0340					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8600e-003	5.8600e-003	2.0000e-005		6.2400e-003
<b>Total</b>	<b>0.5640</b>	<b>2.0000e-005</b>	<b>2.7300e-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>5.8600e-003</b>	<b>5.8600e-003</b>	<b>2.0000e-005</b>		<b>6.2400e-003</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Landau Construction - Phase 2-3 - Riverside-Salton Sea County, Winter

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

**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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**APPENDIX A.2**

Operation

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Summer

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

**Landau Operation - Existing to be Removed**

Riverside-Salton Sea County, Summer

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	40.77	1000sqft	10.65	40,772.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	390.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - Project site is 10.65 acres.

Construction Phase - Operation only.

Vehicle Trips - Student capacity is 1,168. Assumed 4,801 daily trips (4.11 trips per student per ITE Trip Generation Manual).

Area Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Energy Use -

Water And Wastewater -

Solid Waste -

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.





Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Summer

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/18/2022	2/17/2022	5	0	

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

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

**Acres of Paving: 0**

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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT





Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Summer

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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					
Regulatory Compliance	14.5425	18.6178	123.3116	0.2623	24.7419	0.2460	24.9879	6.6025	0.2313	6.8337		26,714.3145	26,714.314	1.4608	1.3397	27,150.060
Baseline	14.5425	18.6178	123.3116	0.2623	24.7419	0.2460	24.9879	6.6025	0.2313	6.8337		26,714.3145	26,714.314	1.4608	1.3397	27,150.060

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Baseline	Regulatory Compliance
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	4,800.75	0.00	0.00	8,360,518	8,360,518
<b>Total</b>	<b>4,800.75</b>	<b>0.00</b>	<b>0.00</b>	<b>8,360,518</b>	<b>8,360,518</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
Elementary School	12.50	4.20	5.40	65.00	30.00	5.00	63	25	12

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Summer

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

**5.0 Energy Detail**

Historical Energy Use: Y

**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 Regulatory Compliance	0.0119	0.1078	0.0905	6.5000e-004		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003		129.3139	129.3139	2.4800e-003	2.3700e-003	130.0824
NaturalGas Baseline	0.0119	0.1078	0.0905	6.5000e-004		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003		129.3139	129.3139	2.4800e-003	2.3700e-003	130.0824

**5.2 Energy by Land Use - NaturalGas**

**Baseline**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1099.17	0.0119	0.1078	0.0905	6.5000e-004		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003		129.3139	129.3139	2.4800e-003	2.3700e-003	130.0824
<b>Total</b>		<b>0.0119</b>	<b>0.1078</b>	<b>0.0905</b>	<b>6.5000e-004</b>		<b>8.1900e-003</b>	<b>8.1900e-003</b>		<b>8.1900e-003</b>	<b>8.1900e-003</b>		<b>129.3139</b>	<b>129.3139</b>	<b>2.4800e-003</b>	<b>2.3700e-003</b>	<b>130.0824</b>

**Regulatory Compliance**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1.09917	0.0119	0.1078	0.0905	6.5000e-004		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003		129.3139	129.3139	2.4800e-003	2.3700e-003	130.0824
<b>Total</b>		<b>0.0119</b>	<b>0.1078</b>	<b>0.0905</b>	<b>6.5000e-004</b>		<b>8.1900e-003</b>	<b>8.1900e-003</b>		<b>8.1900e-003</b>	<b>8.1900e-003</b>		<b>129.3139</b>	<b>129.3139</b>	<b>2.4800e-003</b>	<b>2.3700e-003</b>	<b>130.0824</b>

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Summer

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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Regulatory Compliance	0.8595	4.0000e-005	4.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9200e-003	8.9200e-003	2.0000e-005		9.5100e-003
Baseline	0.9247	4.0000e-005	4.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9200e-003	8.9200e-003	2.0000e-005		9.5100e-003

**6.2 Area by SubCategory**

**Baseline**

	ROG	NOx	CO	SO2	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	0.0518					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8725					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9200e-003	8.9200e-003	2.0000e-005		9.5100e-003
<b>Total</b>	<b>0.9247</b>	<b>4.0000e-005</b>	<b>4.1700e-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>8.9200e-003</b>	<b>8.9200e-003</b>	<b>2.0000e-005</b>		<b>9.5100e-003</b>

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Summer

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

**Regulatory Compliance**

	ROG	NOx	CO	SO2	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	0.0518					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8073					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9200e-003	8.9200e-003	2.0000e-005		9.5100e-003
<b>Total</b>	<b>0.8595</b>	<b>4.0000e-005</b>	<b>4.1700e-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>8.9200e-003</b>	<b>8.9200e-003</b>	<b>2.0000e-005</b>		<b>9.5100e-003</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Summer

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

**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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Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Winter

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

**Landau Operation - Existing to be Removed**

Riverside-Salton Sea County, Winter

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	40.77	1000sqft	10.65	40,772.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	390.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - Project site is 10.65 acres.

Construction Phase - Operation only.

Vehicle Trips - Student capacity is 1,168. Assumed 4,801 daily trips (4.11 trips per student per ITE Trip Generation Manual).

Area Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Energy Use -

Water And Wastewater -

Solid Waste -

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.











Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Regulatory Compliance	12.1889	19.6643	110.2846	0.2436	24.7419	0.2463	24.9882	6.6025	0.2315	6.8340		24,825.9552	24,825.955	1.5141	1.3678	25,271.418
Baseline	12.1889	19.6643	110.2846	0.2436	24.7419	0.2463	24.9882	6.6025	0.2315	6.8340		24,825.9552	24,825.955	1.5141	1.3678	25,271.418

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Baseline	Regulatory Compliance
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	4,800.75	0.00	0.00	8,360,518	8,360,518
Total	4,800.75	0.00	0.00	8,360,518	8,360,518

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
Elementary School	12.50	4.20	5.40	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

5.0 Energy Detail

Historical Energy Use: Y

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					
Natural Gas Regulatory Compliance	0.0119	0.1078	0.0905	6.5000e-004		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003		129.3139	129.3139	2.4800e-003	2.3700e-003	130.0824
Natural Gas Baseline	0.0119	0.1078	0.0905	6.5000e-004		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003		129.3139	129.3139	2.4800e-003	2.3700e-003	130.0824

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Winter

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

**5.2 Energy by Land Use - NaturalGas**

**Baseline**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1099.17	0.0119	0.1078	0.0905	6.5000e-004		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003		129.3139	129.3139	2.4800e-003	2.3700e-003	130.0824
<b>Total</b>		<b>0.0119</b>	<b>0.1078</b>	<b>0.0905</b>	<b>6.5000e-004</b>		<b>8.1900e-003</b>	<b>8.1900e-003</b>		<b>8.1900e-003</b>	<b>8.1900e-003</b>		<b>129.3139</b>	<b>129.3139</b>	<b>2.4800e-003</b>	<b>2.3700e-003</b>	<b>130.0824</b>

**Regulatory Compliance**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1.09917	0.0119	0.1078	0.0905	6.5000e-004		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003		129.3139	129.3139	2.4800e-003	2.3700e-003	130.0824
<b>Total</b>		<b>0.0119</b>	<b>0.1078</b>	<b>0.0905</b>	<b>6.5000e-004</b>		<b>8.1900e-003</b>	<b>8.1900e-003</b>		<b>8.1900e-003</b>	<b>8.1900e-003</b>		<b>129.3139</b>	<b>129.3139</b>	<b>2.4800e-003</b>	<b>2.3700e-003</b>	<b>130.0824</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Regulatory Compliance	0.8595	4.0000e-005	4.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9200e-003	8.9200e-003	2.0000e-005		9.5100e-003
Baseline	0.9247	4.0000e-005	4.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9200e-003	8.9200e-003	2.0000e-005		9.5100e-003

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Winter

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

**6.2 Area by SubCategory**

**Baseline**

	ROG	NOx	CO	SO2	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	0.0518					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8725					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9200e-003	8.9200e-003	2.0000e-005		9.5100e-003
<b>Total</b>	<b>0.9247</b>	<b>4.0000e-005</b>	<b>4.1700e-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>8.9200e-003</b>	<b>8.9200e-003</b>	<b>2.0000e-005</b>		<b>9.5100e-003</b>

**Regulatory Compliance**

	ROG	NOx	CO	SO2	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	0.0518					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8073					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9000e-004	4.0000e-005	4.1700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.9200e-003	8.9200e-003	2.0000e-005		9.5100e-003
<b>Total</b>	<b>0.8595</b>	<b>4.0000e-005</b>	<b>4.1700e-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>8.9200e-003</b>	<b>8.9200e-003</b>	<b>2.0000e-005</b>		<b>9.5100e-003</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Winter

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Landau Operation - Proposed Uses - Riverside-Salton Sea County, Summer

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

**Landau Operation - Proposed Uses  
Riverside-Salton Sea County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	59.58	1000sqft	10.65	59,584.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	390.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - Project site is 10.65 acres.

Construction Phase - Operation only.

Vehicle Trips - Student capacity is 1,168. Assumed 4,801 daily trips (4.11 trips per student per ITE Trip Generation Manual).

Area Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Water Mitigation -







Landau Operation - Proposed Uses - Riverside-Salton Sea County, Summer

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/18/2022	2/17/2022	5	0	

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

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

**Acres of Paving: 0**

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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT



Landau Operation - Proposed Uses - Riverside-Salton Sea County, Summer

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	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	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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					
Regulatory Compliance	12.0751	13.4048	101.5313	0.2294	24.7229	0.1753	24.8981	6.5946	0.1642	6.7588		23,377.0286	23,377.028	1.2043	1.1239	23,742.063
Baseline	12.0751	13.4048	101.5313	0.2294	24.7229	0.1753	24.8981	6.5946	0.1642	6.7588		23,377.0286	23,377.028	1.2043	1.1239	23,742.063

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Baseline	Regulatory Compliance
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	4,800.66	0.00	0.00	8,360,360	8,360,360
<b>Total</b>	<b>4,800.66</b>	<b>0.00</b>	<b>0.00</b>	<b>8,360,360</b>	<b>8,360,360</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
Elementary School	12.50	4.20	5.40	65.00	30.00	5.00	63	25	12

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689

Landau Operation - Proposed Uses - Riverside-Salton Sea County, Summer

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Regulatory Compliance	0.0153	0.1391	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106		166.8928	166.8928	3.2000e-003	3.0600e-003	167.8846
NaturalGas Baseline	0.0153	0.1391	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106		166.8928	166.8928	3.2000e-003	3.0600e-003	167.8846

**5.2 Energy by Land Use - NaturalGas**

**Baseline**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1418.59	0.0153	0.1391	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106		166.8928	166.8928	3.2000e-003	3.0600e-003	167.8846
<b>Total</b>		<b>0.0153</b>	<b>0.1391</b>	<b>0.1168</b>	<b>8.3000e-004</b>		<b>0.0106</b>	<b>0.0106</b>		<b>0.0106</b>	<b>0.0106</b>		<b>166.8928</b>	<b>166.8928</b>	<b>3.2000e-003</b>	<b>3.0600e-003</b>	<b>167.8846</b>

**Regulatory Compliance**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1.41859	0.0153	0.1391	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106		166.8928	166.8928	3.2000e-003	3.0600e-003	167.8846
<b>Total</b>		<b>0.0153</b>	<b>0.1391</b>	<b>0.1168</b>	<b>8.3000e-004</b>		<b>0.0106</b>	<b>0.0106</b>		<b>0.0106</b>	<b>0.0106</b>		<b>166.8928</b>	<b>166.8928</b>	<b>3.2000e-003</b>	<b>3.0600e-003</b>	<b>167.8846</b>

Landau Operation - Proposed Uses - Riverside-Salton Sea County, Summer

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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Regulatory Compliance	1.2560	5.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0139
Baseline	1.3513	5.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0139

**6.2 Area by SubCategory**

**Baseline**

	ROG	NOx	CO	SO2	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	0.0757					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.6000e-004	5.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0139
<b>Total</b>	<b>1.3513</b>	<b>5.0000e-005</b>	<b>6.0700e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0130</b>	<b>0.0130</b>	<b>3.0000e-005</b>		<b>0.0139</b>

Landau Operation - Proposed Uses - Riverside-Salton Sea County, Summer

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

**Regulatory Compliance**

	ROG	NOx	CO	SO2	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	0.0757					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1798					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.6000e-004	5.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0139
<b>Total</b>	<b>1.2560</b>	<b>5.0000e-005</b>	<b>6.0700e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0130</b>	<b>0.0130</b>	<b>3.0000e-005</b>		<b>0.0139</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

Landau Operation - Proposed Uses - Riverside-Salton Sea County, Summer

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

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Landau Operation - Proposed Uses - Riverside-Salton Sea County, Winter

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

**Landau Operation - Proposed Uses  
Riverside-Salton Sea County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	59.58	1000sqft	10.65	59,584.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	390.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - Project site is 10.65 acres.

Construction Phase - Operation only.

Vehicle Trips - Student capacity is 1,168. Assumed 4,801 daily trips (4.11 trips per student per ITE Trip Generation Manual).

Area Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Water Mitigation -





Landau Operation - Proposed Uses - Riverside-Salton Sea County, Winter

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/18/2022	2/17/2022	5	0	

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

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

**Acres of Paving: 0**

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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**



Landau Operation - Proposed Uses - Riverside-Salton Sea County, Winter

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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					
Regulatory Compliance	10.0458	14.2383	91.5211	0.2132	24.7229	0.1754	24.8983	6.5946	0.1643	6.7590		21,741.9686	21,741.968	1.2463	1.1480	22,115.225
Baseline	10.0458	14.2383	91.5211	0.2132	24.7229	0.1754	24.8983	6.5946	0.1643	6.7590		21,741.9686	21,741.968	1.2463	1.1480	22,115.225

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Baseline Annual VMT	Regulatory Compliance Annual VMT
	Weekday	Saturday	Sunday		
Elementary School	4,800.66	0.00	0.00	8,360,360	8,360,360
<b>Total</b>	<b>4,800.66</b>	<b>0.00</b>	<b>0.00</b>	<b>8,360,360</b>	<b>8,360,360</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
Elementary School	12.50	4.20	5.40	65.00	30.00	5.00	63	25	12

Landau Operation - Proposed Uses - Riverside-Salton Sea County, Winter

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689

**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 Regulatory Compliance	0.0153	0.1391	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106		166.8928	166.8928	3.2000e-003	3.0600e-003	167.8846
NaturalGas Baseline	0.0153	0.1391	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106		166.8928	166.8928	3.2000e-003	3.0600e-003	167.8846

**5.2 Energy by Land Use - NaturalGas**

**Baseline**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1418.59	0.0153	0.1391	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106		166.8928	166.8928	3.2000e-003	3.0600e-003	167.8846
<b>Total</b>		<b>0.0153</b>	<b>0.1391</b>	<b>0.1168</b>	<b>8.3000e-004</b>		<b>0.0106</b>	<b>0.0106</b>		<b>0.0106</b>	<b>0.0106</b>		<b>166.8928</b>	<b>166.8928</b>	<b>3.2000e-003</b>	<b>3.0600e-003</b>	<b>167.8846</b>

**Regulatory Compliance**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1.41859	0.0153	0.1391	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106		166.8928	166.8928	3.2000e-003	3.0600e-003	167.8846
<b>Total</b>		<b>0.0153</b>	<b>0.1391</b>	<b>0.1168</b>	<b>8.3000e-004</b>		<b>0.0106</b>	<b>0.0106</b>		<b>0.0106</b>	<b>0.0106</b>		<b>166.8928</b>	<b>166.8928</b>	<b>3.2000e-003</b>	<b>3.0600e-003</b>	<b>167.8846</b>

Landau Operation - Proposed Uses - Riverside-Salton Sea County, Winter

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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Regulatory Compliance	1.2560	5.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0139
Baseline	1.3513	5.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0139

**6.2 Area by SubCategory**

**Baseline**

	ROG	NOx	CO	SO2	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	0.0757					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2751					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.6000e-004	5.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0139
<b>Total</b>	<b>1.3513</b>	<b>5.0000e-005</b>	<b>6.0700e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0130</b>	<b>0.0130</b>	<b>3.0000e-005</b>		<b>0.0139</b>



Landau Operation - Proposed Uses - Riverside-Salton Sea County, Winter

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

**Regulatory Compliance**

	ROG	NOx	CO	SO2	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	0.0757					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1798					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.6000e-004	5.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0130	0.0130	3.0000e-005		0.0139
<b>Total</b>	<b>1.2560</b>	<b>5.0000e-005</b>	<b>6.0700e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0130</b>	<b>0.0130</b>	<b>3.0000e-005</b>		<b>0.0139</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Landau Operation - Proposed Uses - Riverside-Salton Sea County, Winter

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

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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**APPENDIX B**

**Biological Resources Data**



**APPENDIX B.1**

**CNDDDB 9 Quadrangle Search**

CNDDDB 9-Quad Species List 426 records.

Element Type	Scientific Name	Common Name	Element Code	Federal Status	State Status	CDFW Status	CA Rare Plant Rank	Quad Code	Quad Name	Data Status	Taxonomic Sort
Animals - Amphibians	<i>Rana draytonii</i>	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Amphibians - Ranidae - <i>Rana draytonii</i>
Animals - Amphibians	<i>Rana draytonii</i>	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Amphibians - Ranidae - <i>Rana draytonii</i>
Animals - Amphibians	<i>Rana muscosa</i>	southern mountain yellow-legged frog	AAABH01330	Endangered	Endangered	WL	-	3311665	PALM VIEW PEAK	Mapped	Animals - Amphibians - Ranidae - <i>Rana muscosa</i>
Animals - Amphibians	<i>Rana muscosa</i>	southern mountain yellow-legged frog	AAABH01330	Endangered	Endangered	WL	-	3311675	PALM SPRINGS	Mapped	Animals - Amphibians - Ranidae - <i>Rana muscosa</i>
Animals - Arachnids	<i>Calileptoneta oasa</i>	Andreas Canyon leptonetid spider	ILARAU6020	None	None	-	-	3311675	PALM SPRINGS	Mapped	Animals - Arachnids - Leptonetidae - <i>Calileptoneta oasa</i>
Animals - Arachnids	<i>Calileptoneta oasa</i>	Andreas Canyon leptonetid spider	ILARAU6020	None	None	-	-	3311665	PALM VIEW PEAK	Mapped	Animals - Arachnids - Leptonetidae - <i>Calileptoneta oasa</i>
Animals - Birds	<i>Accipiter cooperii</i>	Cooper's hawk	ABNKC12040	None	None	WL	-	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Animals - Birds - Accipitridae - <i>Accipiter cooperii</i>
Animals - Birds	<i>Accipiter cooperii</i>	Cooper's hawk	ABNKC12040	None	None	WL	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Accipitridae - <i>Accipiter cooperii</i>
Animals - Birds	<i>Accipiter cooperii</i>	Cooper's hawk	ABNKC12040	None	None	WL	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Accipitridae - <i>Accipiter cooperii</i>
Animals - Birds	<i>Accipiter cooperii</i>	Cooper's hawk	ABNKC12040	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Accipitridae - <i>Accipiter cooperii</i>
Animals - Birds	<i>Accipiter cooperii</i>	Cooper's hawk	ABNKC12040	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Accipitridae - <i>Accipiter cooperii</i>
Animals - Birds	<i>Accipiter striatus</i>	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Accipitridae - <i>Accipiter striatus</i>
Animals - Birds	<i>Accipiter striatus</i>	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Accipitridae - <i>Accipiter striatus</i>
Animals - Birds	<i>Accipiter striatus</i>	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Accipitridae - <i>Accipiter striatus</i>
Animals - Birds	<i>Accipiter striatus</i>	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Accipitridae - <i>Accipiter striatus</i>
Animals - Birds	<i>Accipiter striatus</i>	sharp-shinned hawk	ABNKC12020	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Accipitridae - <i>Accipiter striatus</i>
Animals - Birds	<i>Aquila chrysaetos</i>	golden eagle	ABNKC22010	None	None	FP , WL	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Birds - Accipitridae - <i>Aquila chrysaetos</i>
Animals - Birds	<i>Aquila chrysaetos</i>	golden eagle	ABNKC22010	None	None	FP , WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Accipitridae - <i>Aquila chrysaetos</i>
Animals - Birds	<i>Aquila chrysaetos</i>	golden eagle	ABNKC22010	None	None	FP , WL	-	3311663	LA QUINTA	Unprocessed	Animals - Birds - Accipitridae - <i>Aquila chrysaetos</i>
Animals - Birds	<i>Aquila chrysaetos</i>	golden eagle	ABNKC22010	None	None	FP , WL	-	3311683	EAST DECEPTION CANYON	Unprocessed	Animals - Birds - Accipitridae - <i>Aquila chrysaetos</i>
Animals - Birds	<i>Aquila chrysaetos</i>	golden eagle	ABNKC22010	None	None	FP , WL	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Birds - Accipitridae - <i>Aquila chrysaetos</i>

Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Buteo swainsoni
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Circus hudsonius	northern harrier	ABNKC11011	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Accipitridae - Circus hudsonius
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Eremophila alpestris actia	California horned lark	ABPAT02011	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Alaudidae - Eremophila alpestris actia
Animals - Birds	Aythya americana	redhead	ABNJB11030	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Anatidae - Aythya americana
Animals - Birds	Aythya valisineria	canvasback	ABNJB11020	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Anatidae - Aythya valisineria
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Chaetura vauxi	Vaux's swift	ABNUA03020	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Apodidae - Chaetura vauxi
Animals - Birds	Cypseloides niger	black swift	ABNUA01010	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Apodidae - Cypseloides niger
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Ardeidae - Ardea herodias
Animals - Birds	Botaurus lentiginosus	American bittern	ABNGA01020	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Ardeidae - Botaurus lentiginosus
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Ardeidae - Egretta thula
Animals - Birds	Nycticorax nycticorax	black-crowned night heron	ABNGA11010	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Ardeidae - Nycticorax nycticorax
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra
Animals - Birds	Piranga rubra	summer tanager	ABPBX45030	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Cardinalidae - Piranga rubra

Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Falconidae - Falco mexicanus
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Falconidae - Falco peregrinus anatum
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Spinus lawrencei	Lawrence's goldfinch	ABPBY06100	None	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Fringillidae - Spinus lawrencei
Animals - Birds	Gavia immer	common loon	ABNBA01030	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Gaviidae - Gavia immer
Animals - Birds	Progne subis	purple martin	ABPAU01010	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Birds - Hirundinidae - Progne subis
Animals - Birds	Xanthocephalus xanthocephalus	yellow-headed blackbird	ABPBXB3010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Icteridae - Xanthocephalus xanthocephalus
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Icteridae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Icteridae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Icteridae - Icteria virens
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Icteridae - Icteria virens
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus

Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Laniidae - Lanius ludovicianus
Animals - Birds	Larus californicus	California gull	ABNNM03110	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Laridae - Larus californicus
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma crissale	Crissal thrasher	ABPBK06090	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Birds - Mimidae - Toxostoma crissale
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Toxostoma lecontei	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311683	EAST DECEPTION CANYON	Unprocessed	Animals - Birds - Mimidae - Toxostoma lecontei
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Pandionidae - Pandion haliaetus
Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae
Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae
Animals - Birds	Leiothlypis luciae	Lucy's warbler	ABPBX01090	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Parulidae - Leiothlypis luciae
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia



Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Parulidae - Setophaga petechia
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Passerellidae - Aimophila ruficeps canescens
Animals - Birds	Aimophila ruficeps canescens	southern California rufous-crowned sparrow	ABPBX91091	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Passerellidae - Aimophila ruficeps canescens
Animals - Birds	Artemisiospiza belli belli	Bell's sage sparrow	ABPBX97021	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Passerellidae - Artemisiospiza belli belli
Animals - Birds	Melospiza aberti	Abert's towhee	ABPBX74050	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Passerellidae - Melospiza aberti
Animals - Birds	Passerculus sandwichensis alaudinus	Bryant's savannah sparrow	ABPBX99011	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis alaudinus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Passerculus sandwichensis rostratus	large-billed savannah sparrow	ABPBX9901D	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Passerellidae - Passerculus sandwichensis rostratus
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Spizella breweri	Brewer's sparrow	ABPBX94040	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Passerellidae - Spizella breweri
Animals - Birds	Nannopterum auritum	double-crested cormorant	ABNFD01020	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Phalacrocoracidae - Nannopterum auritum
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBX08081	Threatened	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Birds - Polioptilidae - Polioptila californica californica
Animals - Birds	Polioptila californica californica	coastal California gnatcatcher	ABPBX08081	Threatened	None	SSC	-	3311674	CATHEDRAL CITY	Mapped	Animals - Birds - Polioptilidae - Polioptila californica californica
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBX08030	None	None	WL	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBX08030	None	None	WL	-	3311663	LA QUINTA	Mapped	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBX08030	None	None	WL	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBX08030	None	None	WL	-	3311673	MYOMA	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura

Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Polioptila melanura	black-tailed gnatcatcher	ABPBJ08030	None	None	WL	-	3311664	RANCHO MIRAGE	Mapped	Animals - Birds - Polioptilidae - Polioptila melanura
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Strigidae - Asio otus
Animals - Birds	Athene cucularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cucularia
Animals - Birds	Athene cucularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cucularia
Animals - Birds	Athene cucularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cucularia
Animals - Birds	Athene cucularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cucularia
Animals - Birds	Athene cucularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Strigidae - Athene cucularia
Animals - Birds	Athene cucularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Strigidae - Athene cucularia
Animals - Birds	Athene cucularia	burrowing owl	ABNSB10010	None	None	SSC	-	3311664	RANCHO MIRAGE	Unprocessed	Animals - Birds - Strigidae - Athene cucularia
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Calypte costae	Costa's hummingbird	ABNUC47020	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Trochilidae - Calypte costae
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Trochilidae - Selasphorus rufus
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi

Animals - Birds	Contopus cooperi	olive-sided flycatcher	ABPAE32010	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Birds - Tyrannidae - Contopus cooperi
Animals - Birds	Empidonax traillii brewsteri	little willow flycatcher	ABPAE33041	None	Endangered	-	-	3311673	MYOMA	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii brewsteri
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Empidonax traillii extimus	southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Birds - Tyrannidae - Empidonax traillii extimus
Animals - Birds	Pyrocephalus rubinus	vermillion flycatcher	ABPAE36010	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Birds - Tyrannidae - Pyrocephalus rubinus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311684	SEVEN PALMS VALLEY	Mapped	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311663	LA QUINTA	Unprocessed	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3311665	PALM VIEW PEAK	Mapped	Animals - Birds - Vireonidae - Vireo bellii pusillus
Animals - Fish	Cyprinodon macularius	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Fish - Cyprinodontidae - Cyprinodon macularius
Animals - Fish	Cyprinodon macularius	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Fish - Cyprinodontidae - Cyprinodon macularius
Animals - Fish	Cyprinodon macularius	desert pupfish	AFCNB02060	Endangered	Endangered	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Fish - Cyprinodontidae - Cyprinodon macularius
Animals - Insects	Bombus crotchii	Crotch bumble bee	IIHYM24480	None	None	-	-	3311675	PALM SPRINGS	Mapped	Animals - Insects - Apidae - Bombus crotchii
Animals - Insects	Bombus crotchii	Crotch bumble bee	IIHYM24480	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Insects - Apidae - Bombus crotchii
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311673	MYOMA	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Habropoda pallida	white faced bee	IIHYM88010	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Insects - Apidae - Habropoda pallida
Animals - Insects	Oliarces clara	cheeseweed owlfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311673	MYOMA	Mapped	Animals - Insects - Ithonidae - Oliarces clara
Animals - Insects	Oliarces clara	cheeseweed owlfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Insects - Ithonidae - Oliarces clara

Animals - Insects	Oliarces clara	cheeseweed owfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Insects - Ithonidae - Oliarces clara
Animals - Insects	Oliarces clara	cheeseweed owfly (cheeseweed moth lacewing)	IINEU04010	None	None	-	-	3311663	LA QUINTA	Mapped	Animals - Insects - Ithonidae - Oliarces clara
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Euphydryas editha quino	quino checkerspot butterfly	IILEPK405L	Endangered	None	-	-	3311673	MYOMA	Unprocessed	Animals - Insects - Nymphalidae - Euphydryas editha quino
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IORT22020	None	None	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IORT22020	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IORT22020	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IORT22020	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IORT22020	None	None	-	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Macrobaenetes valgum	Coachella giant sand treader cricket	IORT22020	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Insects - Rhaphidophoridae - Macrobaenetes valgum
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311663	LA QUINTA	Mapped	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Dinacoma caseyi	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Insects - Scarabaeidae - Dinacoma caseyi
Animals - Insects	Stenopelmatus cahuilensis	Coachella Valley jerusalem cricket	IORT26010	None	None	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Insects - Stenopelmatidae - Stenopelmatus cahuilensis
Animals - Insects	Stenopelmatus cahuilensis	Coachella Valley jerusalem cricket	IORT26010	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Animals - Insects - Stenopelmatidae - Stenopelmatus cahuilensis
Animals - Insects	Stenopelmatus cahuilensis	Coachella Valley jerusalem cricket	IORT26010	None	None	-	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Insects - Stenopelmatidae - Stenopelmatus cahuilensis
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni
Animals - Mammals	Ovis canadensis nelsoni	desert bighorn sheep	AMALE04013	None	None	FP	-	3311683	EAST DECEPTION CANYON	Mapped and Unprocessed	Animals - Mammals - Bovidae - Ovis canadensis nelsoni

Animals - Mammals	<i>Ovis canadensis nelsoni</i> pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311685	DESERT HOT SPRINGS	Mapped	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i> pop. 2
Animals - Mammals	<i>Ovis canadensis nelsoni</i> pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i> pop. 2
Animals - Mammals	<i>Ovis canadensis nelsoni</i> pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i> pop. 2
Animals - Mammals	<i>Ovis canadensis nelsoni</i> pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311663	LA QUINTA	Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i> pop. 2
Animals - Mammals	<i>Ovis canadensis nelsoni</i> pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i> pop. 2
Animals - Mammals	<i>Ovis canadensis nelsoni</i> pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i> pop. 2
Animals - Mammals	<i>Neotoma albigula venusta</i>	Colorado Valley woodrat	AMAFF08031	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Animals - Mammals - Cricetidae - <i>Neotoma albigula venusta</i>
Animals - Mammals	<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Cricetidae - <i>Neotoma lepida intermedia</i>
Animals - Mammals	<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped	Animals - Mammals - Cricetidae - <i>Neotoma lepida intermedia</i>
Animals - Mammals	<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Mammals - Cricetidae - <i>Neotoma lepida intermedia</i>
Animals - Mammals	<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311683	EAST DECEPTION CANYON	Mapped	Animals - Mammals - Cricetidae - <i>Neotoma lepida intermedia</i>
Animals - Mammals	<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	AMAFF08041	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped	Animals - Mammals - Cricetidae - <i>Neotoma lepida intermedia</i>
Animals - Mammals	<i>Chaetodipus fallax fallax</i>	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Mammals - Heteromyidae - <i>Chaetodipus fallax fallax</i>
Animals - Mammals	<i>Chaetodipus fallax fallax</i>	northwestern San Diego pocket mouse	AMAFD05031	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - <i>Chaetodipus fallax fallax</i>
Animals - Mammals	<i>Chaetodipus fallax pallidus</i>	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - <i>Chaetodipus fallax pallidus</i>
Animals - Mammals	<i>Chaetodipus fallax pallidus</i>	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311673	MYOMA	Mapped	Animals - Mammals - Heteromyidae - <i>Chaetodipus fallax pallidus</i>

Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Chaetodipus fallax pallidus	pallid San Diego pocket mouse	AMAFD05032	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Chaetodipus fallax pallidus
Animals - Mammals	Dipodomys merriami collinus	Earthquake Merriam's kangaroo rat	AMAFD03144	None	None	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys merriami collinus
Animals - Mammals	Dipodomys merriami collinus	Earthquake Merriam's kangaroo rat	AMAFD03144	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys merriami collinus
Animals - Mammals	Dipodomys simulans	Dulzura kangaroo rat	AMAFD03170	None	None	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Dipodomys simulans
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311683	EAST DECEPTION CANYON	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi

Animals - Mammals	Perognathus longimembris bangsi	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311663	LA QUINTA	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris bangsi
Animals - Mammals	Perognathus longimembris brevinasus	Los Angeles pocket mouse	AMAFD01041	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Mammals - Heteromyidae - Perognathus longimembris brevinasus
Animals - Mammals	Perognathus longimembris brevinasus	Los Angeles pocket mouse	AMAFD01041	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Mammals - Heteromyidae - Perognathus longimembris brevinasus
Animals - Mammals	Lepus californicus bennettii	San Diego black-tailed jackrabbit	AMAEB03051	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Mammals - Leporidae - Lepus californicus bennettii
Animals - Mammals	Lepus californicus bennettii	San Diego black-tailed jackrabbit	AMAEB03051	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Mammals - Leporidae - Lepus californicus bennettii
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops femorosaccus	pocketed free-tailed bat	AMACD04010	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Molossidae - Nyctinomops femorosaccus
Animals - Mammals	Nyctinomops macrotis	big free-tailed bat	AMACD04020	None	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Mammals - Molossidae - Nyctinomops macrotis
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Mammals - Scuriidae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Mammals - Scuriidae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Mammals - Scuriidae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Mammals - Scuriidae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Mammals - Scuriidae - Xerospermophilus tereticaudus chlorus
Animals - Mammals	Xerospermophilus tereticaudus chlorus	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Mammals - Scuriidae - Xerospermophilus tereticaudus chlorus

Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3311663	LA QUINTA	Unprocessed	Animals - Mammals - Vespertilionidae - Antrozous pallidus
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped	Animals - Mammals - Vespertilionidae - Corynorhinus townsendii
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped	Animals - Mammals - Vespertilionidae - Corynorhinus townsendii
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311675	PALM SPRINGS	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311663	LA QUINTA	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mammals	Lasiurus xanthinus	western yellow bat	AMACC05070	None	None	SSC	-	3311664	RANCHO MIRAGE	Mapped	Animals - Mammals - Vespertilionidae - Lasiurus xanthinus
Animals - Mollusks	Eremarionta morongoana	Morongo (=Colorado) desertsnailed	IMGASB9070	None	None	-	-	3311685	DESERT HOT SPRINGS	Unprocessed	Animals - Mollusks - Helminthoglyptidae - Eremarionta morongoana
Animals - Mollusks	Eremarionta morongoana	Morongo (=Colorado) desertsnailed	IMGASB9070	None	None	-	-	3311684	SEVEN PALMS VALLEY	Unprocessed	Animals - Mollusks - Helminthoglyptidae - Eremarionta morongoana
Animals - Reptiles	Arizona elegans occidentalis	California glossy snake	ARADB01017	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Colubridae - Arizona elegans occidentalis
Animals - Reptiles	Coleonyx variegatus abbotti	San Diego banded gecko	ARACD01031	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Gekkonidae - Coleonyx variegatus abbotti
Animals - Reptiles	Thamnophis hammondi	two-striped gartersnake	ARADB36160	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondi
Animals - Reptiles	Thamnophis hammondi	two-striped gartersnake	ARADB36160	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Reptiles - Natricidae - Thamnophis hammondi
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma blainvillii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii



Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Phrynosoma mcallii	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Phrynosoma mcallii
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311673	MYOMA	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Uma inornata	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - Uma inornata
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Aspidoscelis tigris stejnegeri	coastal whiptail	ARACJ02143	None	None	SSC	-	3311665	PALM VIEW PEAK	Unprocessed	Animals - Reptiles - Teiidae - Aspidoscelis tigris stejnegeri
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311663	LA QUINTA	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311675	PALM SPRINGS	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311683	EAST DECEPTION CANYON	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii
Animals - Reptiles	Gopherus agassizii	desert tortoise	ARAAF01012	Threatened	Threatened	-	-	3311673	MYOMA	Unprocessed	Animals - Reptiles - Testudinidae - Gopherus agassizii

Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311685	DESERT HOT SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311683	EAST DECEPTION CANYON	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311684	SEVEN PALMS VALLEY	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311675	PALM SPRINGS	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311673	MYOMA	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311663	LA QUINTA	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311664	RANCHO MIRAGE	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Animals - Reptiles	Crotalus ruber	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Animals - Reptiles - Viperidae - Crotalus ruber
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311665	PALM VIEW PEAK	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311664	RANCHO MIRAGE	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311663	LA QUINTA	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311673	MYOMA	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311675	PALM SPRINGS	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311684	SEVEN PALMS VALLEY	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland
Community - Terrestrial	Mesquite Bosque	Mesquite Bosque	CTT61820CA	None	None	-	-	3311685	DESERT HOT SPRINGS	Mapped	Community - Terrestrial - Mesquite Bosque
Community - Terrestrial	Southern Riparian Forest	Southern Riparian Forest	CTT61300CA	None	None	-	-	3311675	PALM SPRINGS	Mapped	Community - Terrestrial - Southern Riparian Forest
Plants - Vascular	Yucca brevifolia	western Joshua tree	PMAGA0B071	None	Candidate Threatened	-	-	3311683	EAST DECEPTION CANYON	Unprocessed	Plants - Vascular - Agavaceae - Yucca brevifolia
Plants - Vascular	Allium atrorubens var. cristatum	Inyo onion	PMLIL02063	None	None	-	4.3	3311683	EAST DECEPTION CANYON	Unprocessed	Plants - Vascular - Alliaceae - Allium atrorubens var. cristatum
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311663	LA QUINTA	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia
Plants - Vascular	Matelea parvifolia	spear-leaf matelea	PDASC0A0J0	None	None	-	2B.3	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Apocynaceae - Matelea parvifolia

Plants - Vascular	Almutaster pauciflorus	alkali marsh aster	PDASTEL010	None	None	-	2B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Asteraceae - Almutaster pauciflorus
Plants - Vascular	Almutaster pauciflorus	alkali marsh aster	PDASTEL010	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Asteraceae - Almutaster pauciflorus
Plants - Vascular	Ambrosia monogyra	singlewhorl burrobrush	PDAST50010	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Asteraceae - Ambrosia monogyra
Plants - Vascular	Chaenactis parishii	Parish's chaenactis	PDAST200D0	None	None	-	1B.3	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Asteraceae - Chaenactis parishii
Plants - Vascular	Deinandra mohavensis	Mojave tarplant	PDAST4R0K0	None	Endangered	-	1B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Asteraceae - Deinandra mohavensis
Plants - Vascular	Erigeron parishii	Parish's daisy	PDAST3M310	Threatened	None	-	1B.1	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Asteraceae - Erigeron parishii
Plants - Vascular	Hulsea vestita ssp. callicarpa	beautiful hulsea	PDAST4Z074	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. callicarpa
Plants - Vascular	Hulsea vestita ssp. callicarpa	beautiful hulsea	PDAST4Z074	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Asteraceae - Hulsea vestita ssp. callicarpa
Plants - Vascular	Pentachaeta aurea ssp. aurea	golden-rayed pentachaeta	PDAST6X022	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Asteraceae - Pentachaeta aurea ssp. aurea
Plants - Vascular	Syntrichopappus lemmonii	Lemmon's syntrichopappus	PDAST90020	None	None	-	4.3	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Asteraceae - Syntrichopappus lemmonii
Plants - Vascular	Xylorhiza cognata	Mecca-aster	PDASTA1010	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Asteraceae - Xylorhiza cognata
Plants - Vascular	Xylorhiza cognata	Mecca-aster	PDASTA1010	None	None	-	1B.2	3311673	MYOMA	Mapped	Plants - Vascular - Asteraceae - Xylorhiza cognata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311664	RANCHO MIRAGE	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera

Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Boechera johnstonii	Johnston's rockcress	PDBRA060Y0	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Brassicaceae - Boechera johnstonii
Plants - Vascular	Caulanthus simulans	Payson's jewelflower	PDBRA0M0H0	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Brassicaceae - Caulanthus simulans
Plants - Vascular	Caulanthus simulans	Payson's jewelflower	PDBRA0M0H0	None	None	-	4.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Brassicaceae - Caulanthus simulans
Plants - Vascular	Streptanthus campestris	southern jewelflower	PDBRA2G0B0	None	None	-	1B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Brassicaceae - Streptanthus campestris
Plants - Vascular	Streptanthus campestris	southern jewelflower	PDBRA2G0B0	None	None	-	1B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Brassicaceae - Streptanthus campestris
Plants - Vascular	Thysanocarpus rigidus	rigid fringe-pod	PDBRA2Q070	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Brassicaceae - Thysanocarpus rigidus
Plants - Vascular	Atriplex parishii	Parish's brittle-scale	PDCHE041D0	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Chenopodiaceae - Atriplex parishii
Plants - Vascular	Cuscuta californica var. apiculata	pointed dodder	PDCUS01071	None	None	-	3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Convolvulaceae - Cuscuta californica var. apiculata
Plants - Vascular	Ditaxis claryana	glandular ditaxis	PDEUP080L0	None	None	-	2B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis claryana
Plants - Vascular	Ditaxis claryana	glandular ditaxis	PDEUP080L0	None	None	-	2B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis claryana
Plants - Vascular	Ditaxis serrata var. californica	California ditaxis	PDEUP08050	None	None	-	3.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Euphorbiaceae - Ditaxis serrata var. californica
Plants - Vascular	Euphorbia abramsiana	Abrams' spurge	PDEUP0D010	None	None	-	2B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia abramsiana
Plants - Vascular	Euphorbia abramsiana	Abrams' spurge	PDEUP0D010	None	None	-	2B.2	3311673	MYOMA	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia abramsiana
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311673	MYOMA	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311684	SEVEN PALMS VALLEY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica

Plants - Vascular	Euphorbia misera	cliff spurge	PDEUP0Q1B0	None	None	-	2B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia misera
Plants - Vascular	Euphorbia platysperma	flat-seeded spurge	PDEUP0D1X0	None	None	-	1B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia platysperma
Plants - Vascular	Euphorbia platysperma	flat-seeded spurge	PDEUP0D1X0	None	None	-	1B.2	3311673	MYOMA	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia platysperma
Plants - Vascular	Acmispon haydonii	pygmy lotus	PDFAB2A0H0	None	None	-	1B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Fabaceae - Acmispon haydonii
Plants - Vascular	Astragalus bernardinus	San Bernardino milk-vetch	PDFAB0F190	None	None	-	1B.2	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Fabaceae - Astragalus bernardinus
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311673	MYOMA	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311684	SEVEN PALMS VALLEY	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae

Plants - Vascular	<i>Astragalus preussii</i> var. <i>laxiflorus</i>	Lancaster milk-vetch	PDFAB0F721	None	None	-	1B.1	3311663	LA QUINTA	Mapped	Plants - Vascular - Fabaceae - <i>Astragalus preussii</i> var. <i>laxiflorus</i>
Plants - Vascular	<i>Astragalus tricarinatus</i>	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Fabaceae - <i>Astragalus tricarinatus</i>
Plants - Vascular	<i>Astragalus tricarinatus</i>	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311683	EAST DECEPTION CANYON	Mapped and Unprocessed	Plants - Vascular - Fabaceae - <i>Astragalus tricarinatus</i>
Plants - Vascular	<i>Astragalus tricarinatus</i>	triple-ribbed milk-vetch	PDFAB0F920	Endangered	None	-	1B.2	3311673	MYOMA	Mapped and Unprocessed	Plants - Vascular - Fabaceae - <i>Astragalus tricarinatus</i>
Plants - Vascular	<i>Marina orcuttii</i> var. <i>orcuttii</i>	California marina	PDFAB2F031	None	None	-	1B.3	3311663	LA QUINTA	Mapped	Plants - Vascular - Fabaceae - <i>Marina orcuttii</i> var. <i>orcuttii</i>
Plants - Vascular	<i>Marina orcuttii</i> var. <i>orcuttii</i>	California marina	PDFAB2F031	None	None	-	1B.3	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Fabaceae - <i>Marina orcuttii</i> var. <i>orcuttii</i>
Plants - Vascular	<i>Senna covesii</i>	Cove's cassia	PDFAB491X0	None	None	-	2B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Fabaceae - <i>Senna covesii</i>
Plants - Vascular	<i>Juncus acutus</i> ssp. <i>leopoldii</i>	southwestern spiny rush	PMJUN01051	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Juncaceae - <i>Juncus acutus</i> ssp. <i>leopoldii</i>
Plants - Vascular	<i>Juncus acutus</i> ssp. <i>leopoldii</i>	southwestern spiny rush	PMJUN01051	None	None	-	4.2	3311673	MYOMA	Unprocessed	Plants - Vascular - Juncaceae - <i>Juncus acutus</i> ssp. <i>leopoldii</i>
Plants - Vascular	<i>Juncus acutus</i> ssp. <i>leopoldii</i>	southwestern spiny rush	PMJUN01051	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Juncaceae - <i>Juncus acutus</i> ssp. <i>leopoldii</i>
Plants - Vascular	<i>Juncus cooperi</i>	Cooper's rush	PMJUN010T0	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Juncaceae - <i>Juncus cooperi</i>
Plants - Vascular	<i>Juncus cooperi</i>	Cooper's rush	PMJUN010T0	None	None	-	4.3	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Juncaceae - <i>Juncus cooperi</i>
Plants - Vascular	<i>Calochortus palmeri</i> var. <i>munzii</i>	San Jacinto mariposa-lily	PMLIL0D121	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Liliaceae - <i>Calochortus palmeri</i> var. <i>munzii</i>
Plants - Vascular	<i>Calochortus palmeri</i> var. <i>munzii</i>	San Jacinto mariposa-lily	PMLIL0D121	None	None	-	1B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Liliaceae - <i>Calochortus palmeri</i> var. <i>munzii</i>
Plants - Vascular	<i>Lilium parryi</i>	lemon lily	PMLIL1A0J0	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Liliaceae - <i>Lilium parryi</i>
Plants - Vascular	<i>Mentzelia tricuspis</i>	spiny-hair blazing star	PDLOA031T0	None	None	-	2B.1	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Loasaceae - <i>Mentzelia tricuspis</i>
Plants - Vascular	<i>Petalonyx linearis</i>	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Loasaceae - <i>Petalonyx linearis</i>
Plants - Vascular	<i>Petalonyx linearis</i>	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311673	MYOMA	Mapped	Plants - Vascular - Loasaceae - <i>Petalonyx linearis</i>
Plants - Vascular	<i>Petalonyx linearis</i>	narrow-leaf sandpaper-plant	PDLOA04010	None	None	-	2B.3	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Loasaceae - <i>Petalonyx linearis</i>
Plants - Vascular	<i>Ayenia compacta</i>	California ayenia	PDSTE01020	None	None	-	2B.3	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Malvaceae - <i>Ayenia compacta</i>
Plants - Vascular	<i>Ayenia compacta</i>	California ayenia	PDSTE01020	None	None	-	2B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Malvaceae - <i>Ayenia compacta</i>
Plants - Vascular	<i>Ayenia compacta</i>	California ayenia	PDSTE01020	None	None	-	2B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Malvaceae - <i>Ayenia compacta</i>

Plants - Vascular	Horsfordia alata	pink velvet-mallow	PDMAL0J010	None	None	-	4.3	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia alata
Plants - Vascular	Horsfordia newberryi	Newberry's velvet-mallow	PDMAL0J020	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Malvaceae - Horsfordia newberryi
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311673	MYOMA	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311685	DESERT HOT SPRINGS	Unprocessed	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311663	LA QUINTA	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Eremothera boothii ssp. boothii	Booth's evening-primrose	PDONA03052	None	None	-	2B.3	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Onagraceae - Eremothera boothii ssp. boothii
Plants - Vascular	Eremothera boothii ssp. boothii	Booth's evening-primrose	PDONA03052	None	None	-	2B.3	3311673	MYOMA	Mapped	Plants - Vascular - Onagraceae - Eremothera boothii ssp. boothii
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311673	MYOMA	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311683	EAST DECEPTION CANYON	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Eschscholzia androuxii	Joshua Tree poppy	PDPAP0A0E0	None	None	-	4.3	3311685	DESERT HOT SPRINGS	Unprocessed	Plants - Vascular - Papaveraceae - Eschscholzia androuxii
Plants - Vascular	Erythranthe diffusa	Palomar monkeyflower	PDSCR1B0Z0	None	None	-	4.3	3311664	RANCHO MIRAGE	Unprocessed	Plants - Vascular - Phrymaceae - Erythranthe diffusa
Plants - Vascular	Penstemon californicus	California beardtongue	PDSCR1L110	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Plantaginaceae - Penstemon californicus
Plants - Vascular	Penstemon clevelandii var. connatus	San Jacinto beardtongue	PDSCR1L1D2	None	None	-	4.3	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Plantaginaceae - Penstemon clevelandii var. connatus
Plants - Vascular	Pseudorontium cyathiferum	Deep Canyon snapdragon	PDSCR2R010	None	None	-	2B.3	3311663	LA QUINTA	Mapped	Plants - Vascular - Plantaginaceae - Pseudorontium cyathiferum
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia

Plants - Vascular	<i>Stemodia durantifolia</i>	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311663	LA QUINTA	Mapped	Plants - Vascular - Plantaginaceae - <i>Stemodia durantifolia</i>
Plants - Vascular	<i>Stemodia durantifolia</i>	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Plantaginaceae - <i>Stemodia durantifolia</i>
Plants - Vascular	<i>Stemodia durantifolia</i>	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Plantaginaceae - <i>Stemodia durantifolia</i>
Plants - Vascular	<i>Stemodia durantifolia</i>	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Plantaginaceae - <i>Stemodia durantifolia</i>
Plants - Vascular	<i>Imperata brevifolia</i>	California satintail	PMPOA3D020	None	None	-	2B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Poaceae - <i>Imperata brevifolia</i>
Plants - Vascular	<i>Eriastrum harwoodii</i>	Harwood's eriastrum	PDPLM030B1	None	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - <i>Eriastrum harwoodii</i>
Plants - Vascular	<i>Linanthus jaegeri</i>	San Jacinto linanthus	PDPLM08030	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - <i>Linanthus jaegeri</i>
Plants - Vascular	<i>Linanthus maculatus</i> ssp. <i>maculatus</i>	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - <i>Linanthus maculatus</i> ssp. <i>maculatus</i>
Plants - Vascular	<i>Linanthus maculatus</i> ssp. <i>maculatus</i>	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - <i>Linanthus maculatus</i> ssp. <i>maculatus</i>
Plants - Vascular	<i>Linanthus maculatus</i> ssp. <i>maculatus</i>	Little San Bernardino Mtns. linanthus	PDPLM041Y1	None	None	-	1B.2	3311684	SEVEN PALMS VALLEY	Mapped	Plants - Vascular - Polemoniaceae - <i>Linanthus maculatus</i> ssp. <i>maculatus</i>
Plants - Vascular	<i>Saltugilia latimeri</i>	Latimer's woodland-gilia	PDPLM0H010	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polemoniaceae - <i>Saltugilia latimeri</i>
Plants - Vascular	<i>Chorizanthe leptotheca</i>	Peninsular spineflower	PDPGN040D0	None	None	-	4.2	3311664	RANCHO MIRAGE	Unprocessed	Plants - Vascular - Polygonaceae - <i>Chorizanthe leptotheca</i>
Plants - Vascular	<i>Chorizanthe leptotheca</i>	Peninsular spineflower	PDPGN040D0	None	None	-	4.2	3311663	LA QUINTA	Unprocessed	Plants - Vascular - Polygonaceae - <i>Chorizanthe leptotheca</i>
Plants - Vascular	<i>Chorizanthe parryi</i> var. <i>parryi</i>	Parry's spineflower	PDPGN040J2	None	None	-	1B.1	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polygonaceae - <i>Chorizanthe parryi</i> var. <i>parryi</i>
Plants - Vascular	<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	long-spined spineflower	PDPGN040K1	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - <i>Chorizanthe polygonoides</i> var. <i>longispina</i>
Plants - Vascular	<i>Chorizanthe xanti</i> var. <i>leucotheca</i>	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Polygonaceae - <i>Chorizanthe xanti</i> var. <i>leucotheca</i>
Plants - Vascular	<i>Chorizanthe xanti</i> var. <i>leucotheca</i>	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polygonaceae - <i>Chorizanthe xanti</i> var. <i>leucotheca</i>
Plants - Vascular	<i>Chorizanthe xanti</i> var. <i>leucotheca</i>	white-bracted spineflower	PDPGN040Z1	None	None	-	1B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polygonaceae - <i>Chorizanthe xanti</i> var. <i>leucotheca</i>
Plants - Vascular	<i>Dodecahema leptoceras</i>	slender-horned spineflower	PDPGN0V010	Endangered	Endangered	-	1B.1	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polygonaceae - <i>Dodecahema leptoceras</i>



Plants - Vascular	<i>Nemacaulis denudata</i> var. <i>gracilis</i>	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Polygonaceae - <i>Nemacaulis denudata</i> var. <i>gracilis</i>
Plants - Vascular	<i>Nemacaulis denudata</i> var. <i>gracilis</i>	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Polygonaceae - <i>Nemacaulis denudata</i> var. <i>gracilis</i>
Plants - Vascular	<i>Nemacaulis denudata</i> var. <i>gracilis</i>	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - <i>Nemacaulis denudata</i> var. <i>gracilis</i>
Plants - Vascular	<i>Nemacaulis denudata</i> var. <i>gracilis</i>	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Polygonaceae - <i>Nemacaulis denudata</i> var. <i>gracilis</i>
Plants - Vascular	<i>Sidotheca caryophylloides</i>	chickweed oxytheca	PDPGN0J010	None	None	-	4.3	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Polygonaceae - <i>Sidotheca caryophylloides</i>
Plants - Vascular	<i>Sidotheca emarginata</i>	white-margined oxytheca	PDPGN0J030	None	None	-	1B.3	3311665	PALM VIEW PEAK	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - <i>Sidotheca emarginata</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311684	SEVEN PALMS VALLEY	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium angustifolium</i> ssp. <i>gracillimum</i>	slender bedstraw	PDRUB0N04B	None	None	-	4.2	3311683	EAST DECEPTION CANYON	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium angustifolium</i> ssp. <i>gracillimum</i>
Plants - Vascular	<i>Galium johnstonii</i>	Johnston's bedstraw	PDRUB0N140	None	None	-	4.3	3311685	DESERT HOT SPRINGS	Unprocessed	Plants - Vascular - Rubiaceae - <i>Galium johnstonii</i>
Plants - Vascular	<i>Heuchera hirsutissima</i>	shaggy-haired alumroot	PDSAX0E0J0	None	None	-	1B.3	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Saxifragaceae - <i>Heuchera hirsutissima</i>
Plants - Vascular	<i>Heuchera hirsutissima</i>	shaggy-haired alumroot	PDSAX0E0J0	None	None	-	1B.3	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Saxifragaceae - <i>Heuchera hirsutissima</i>
Plants - Vascular	<i>Selaginella eremophila</i>	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311665	PALM VIEW PEAK	Mapped	Plants - Vascular - Selaginellaceae - <i>Selaginella eremophila</i>
Plants - Vascular	<i>Selaginella eremophila</i>	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311663	LA QUINTA	Mapped	Plants - Vascular - Selaginellaceae - <i>Selaginella eremophila</i>
Plants - Vascular	<i>Selaginella eremophila</i>	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311664	RANCHO MIRAGE	Mapped	Plants - Vascular - Selaginellaceae - <i>Selaginella eremophila</i>
Plants - Vascular	<i>Selaginella eremophila</i>	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Selaginellaceae - <i>Selaginella eremophila</i>
Plants - Vascular	<i>Selaginella eremophila</i>	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Selaginellaceae - <i>Selaginella eremophila</i>
Plants - Vascular	<i>Selaginella eremophila</i>	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311685	DESERT HOT SPRINGS	Mapped	Plants - Vascular - Selaginellaceae - <i>Selaginella eremophila</i>

Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311683	EAST DECEPTION CANYON	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311684	SEVEN PALMS VALLEY	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311673	MYOMA	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311675	PALM SPRINGS	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOL0G0K0	None	None	-	4.2	3311665	PALM VIEW PEAK	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi
Plants - Vascular	Thelypteris puberula var. sonorensis	Sonoran maiden fern	PPTHE05192	None	None	-	2B.2	3311675	PALM SPRINGS	Mapped	Plants - Vascular - Thelypteridaceae - Thelypteris puberula var. sonorensis
Plants - Vascular	Aloysia wrightii	Wright's beebrush	PDVER02040	None	None	-	4.3	3311685	DESERT HOT SPRINGS	Unprocessed	Plants - Vascular - Verbenaceae - Aloysia wrightii



**APPENDIX B.2**

**CNDDDB Cathedral City Quadrangle Search**

**CNDDDB Quad Species List 30 records.**

Element Type	Scientific Name	Common Name	Element Code	Federal Status	State Status	CDFW Status	CA Rare Plant Rank	Quad Code	Quad Name	Data Status	Taxonomic Sort
Animals - Birds	<i>Falco mexicanus</i>	prairie falcon	ABNKD06090	None	None	WL	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Falconidae - <i>Falco mexicanus</i>
Animals - Birds	<i>Lanius ludovicianus</i>	loggerhead shrike	ABPBR01030	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Birds - Laniidae - <i>Lanius ludovicianus</i>
Animals - Birds	<i>Toxostoma lecontei</i>	Le Conte's thrasher	ABPBK06100	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Mimidae - <i>Toxostoma lecontei</i>
Animals - Birds	<i>Polioptila californica californica</i>	coastal California gnatcatcher	ABPBJ08081	Threatened	None	SSC	-	3311674	CATHEDRAL CITY	Mapped	Animals - Birds - Polioptilidae - <i>Polioptila californica californica</i>
Animals - Birds	<i>Athene cunicularia</i>	burrowing owl	ABNSB10010	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Birds - Strigidae - <i>Athene cunicularia</i>
Animals - Insects	<i>Habropoda pallida</i>	white faced bee	IIHYM88010	None	None	-	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Insects - Apidae - <i>Habropoda pallida</i>
Animals - Insects	<i>Macrobaenetes valgum</i>	Coachella giant sand treader cricket	IIORT22020	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Animals - Insects - Rhaphidophoridae - <i>Macrobaenetes valgum</i>
Animals - Insects	<i>Dinacoma caseyi</i>	Casey's June beetle	IICOLX5010	Endangered	None	-	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Insects - Scarabaeidae - <i>Dinacoma caseyi</i>
Animals - Insects	<i>Stenopelmatus cahuilansensis</i>	Coachella Valley jerusalem cricket	IIORT26010	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Animals - Insects - Stenopelmatidae - <i>Stenopelmatus cahuilansensis</i>
Animals - Mammals	<i>Ovis canadensis nelsoni</i> pop. 2	Peninsular bighorn sheep DPS	AMALE04012	Endangered	Threatened	FP	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Mammals - Bovidae - <i>Ovis canadensis nelsoni</i> pop. 2
Animals - Mammals	<i>Perognathus longimembris bangsi</i>	Palm Springs pocket mouse	AMAFD01043	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Mammals - Heteromyidae - <i>Perognathus longimembris bangsi</i>
Animals - Mammals	<i>Xerospermophilus tereticaudus chlorus</i>	Palm Springs round-tailed ground squirrel	AMAFB05161	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Mammals - Sciuridae - <i>Xerospermophilus tereticaudus chlorus</i>
Animals - Mammals	<i>Lasiurus xanthinus</i>	western yellow bat	AMACC05070	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped	Animals - Mammals - Vespertilionidae - <i>Lasiurus xanthinus</i>
Animals - Reptiles	<i>Phrynosoma mcallii</i>	flat-tailed horned lizard	ARACF12040	None	None	SSC	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - <i>Phrynosoma mcallii</i>
Animals - Reptiles	<i>Uma inornata</i>	Coachella Valley fringe-toed lizard	ARACF15010	Threatened	Endangered	-	-	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Animals - Reptiles - Phrynosomatidae - <i>Uma inornata</i>
Animals - Reptiles	<i>Crotalus ruber</i>	red-diamond rattlesnake	ARADE02090	None	None	SSC	-	3311674	CATHEDRAL CITY	Unprocessed	Animals - Reptiles - Viperidae - <i>Crotalus ruber</i>
Community - Terrestrial	Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	-	-	3311674	CATHEDRAL CITY	Mapped	Community - Terrestrial - Desert Fan Palm Oasis Woodland

Plants - Vascular	Johnstonella costata	ribbed cryptantha	PDBOR0A0M0	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella costata
Plants - Vascular	Johnstonella holoptera	winged cryptantha	PDBOR0A180	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Boraginaceae - Johnstonella holoptera
Plants - Vascular	Cuscuta californica var. apiculata	pointed dodder	PDCUS01071	None	None	-	3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Convolvulaceae - Cuscuta californica var. apiculata
Plants - Vascular	Euphorbia arizonica	Arizona spurge	PDEUP0D060	None	None	-	2B.3	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia arizonica
Plants - Vascular	Euphorbia platysperma	flat-seeded spurge	PDEUP0D1X0	None	None	-	1B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Euphorbiaceae - Euphorbia platysperma
Plants - Vascular	Astragalus hornii var. hornii	Horn's milk-vetch	PDFAB0F421	None	None	-	1B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Fabaceae - Astragalus hornii var. hornii
Plants - Vascular	Astragalus lentiginosus var. borreganus	Borrego milk-vetch	PDFAB0FB95	None	None	-	4.3	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. borreganus
Plants - Vascular	Astragalus lentiginosus var. coachellae	Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	-	1B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Fabaceae - Astragalus lentiginosus var. coachellae
Plants - Vascular	Abronia villosa var. aurita	chaparral sand-verbena	PDNYC010P1	None	None	-	1B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Nyctaginaceae - Abronia villosa var. aurita
Plants - Vascular	Stemodia durantifolia	purple stemodia	PDSCR1U010	None	None	-	2B.1	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Plantaginaceae - Stemodia durantifolia
Plants - Vascular	Nemacaulis denudata var. gracilis	slender cottonheads	PDPGN0G012	None	None	-	2B.2	3311674	CATHEDRAL CITY	Mapped and Unprocessed	Plants - Vascular - Polygonaceae - Nemacaulis denudata var. gracilis
Plants - Vascular	Selaginella eremophila	desert spike-moss	PPSEL010G0	None	None	-	2B.2	3311674	CATHEDRAL CITY	Mapped	Plants - Vascular - Selaginellaceae - Selaginella eremophila
Plants - Vascular	Lycium torreyi	Torrey's box-thorn	PDSOLOG0K0	None	None	-	4.2	3311674	CATHEDRAL CITY	Unprocessed	Plants - Vascular - Solanaceae - Lycium torreyi



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**APPENDIX B.3**

**JWC Findings Letter**



JAMES W. CORNETT  
ECOLOGICAL CONSULTANTS  
(760) 320-8135

February 3, 2021

Julie Arthur  
Executive Director of Facilities Planning & Development  
Palm Springs Unified School District  
150 District Center Drive  
Palm Springs, California 92264

Dear Ms. Arthur:

On February 1, 2021, JWC Ecological Consultants conducted reconnaissance-level biological resource surveys at the Landau and Sunny Sands elementary school sites located in Cathedral City, Riverside County, California. The purpose of the surveys was to determine the likelihood that significant biological resources—sensitive or listed plant and animal species or sensitive habitats—were present on, or immediately adjacent to, the existing school sites. Such an evaluation was necessary as we understand the District intends to relocate, renovate, remove, or install classroom and associated facilities within the school site boundaries. In addition to the field surveys, we reviewed the available literature sources dealing with sensitive species presence in the region.

We found both school sites to be fully developed with buildings, playgrounds and regularly maintained lawns and landscaped areas covering the entire site. No natural and native plant communities existed within the school site boundaries. For these reasons, **we see no need or requirement to conduct comprehensive CEQA-level biological resource analyses on either site.**

However, as both school sites contain open, exposed lawn areas that are not used every day of the week by students or school staff, **we do recommend pre-construction burrowing owl surveys.** These surveys should be undertaken between 14 and 30 days prior to any kind of ground disturbance related to modifications to your facilities and properties. We recommend the surveys because burrowing owls can take up residence on open, exposed landscapes, whether natural or artificial, at any time. The expansive lawns of both school sites meet these criteria. The burrowing owl is a fully state and federally protected species under the Migratory Bird Treaty Act.

Please do not hesitate to contact me should you have any questions regarding our findings.

Sincerely,

A handwritten signature in black ink, appearing to read 'James W. Cornett', written over a light blue horizontal line.

James W. Cornett  
Jwc/tb



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**APPENDIX B.4**

**Analysis of Protected Bird Species**



## ANALYSIS OF PROTECTED BIRD SPECIES

The Cornell Lab of Ornithology reference was reviewed for each of the following bird species that may have potential for occurring to assess the potential for impacts.<sup>1</sup>

**Coastal California gnatcatcher** - The coastal California gnatcatcher (*Polioptila californica*) is a federally listed threatened species. The Project Site is developed and it is unlikely to see this species within the Project area since the coastal California gnatcatcher prefer coastal sagescrub habitat which does not exist on or near the school site; the landscape area does not meet the criteria for potential coastal California gnatcatcher habitat. No coastal California gnatcatcher have been observed on the Project Site.

There would be no impacts to coastal California gnatcatcher habitat.

**Swainson's hawk** - The Swainson's hawk (*Buteo swainsoni*) is a State listed threatened species. The Project Site is developed and it is unlikely to see this species within the area. Although no natural and native plant communities exist within the Project Site boundaries, the potential still exists for Swainson's hawk to occur. The landscape area of the Project Site including tall trees such as palms and eucalyptus meet the criteria for potential Swainson's hawk habitat. No Swainson's hawk have been observed on the Project Site; however, Swainson's hawk can take up residence in tall trees such as palms or eucalyptus, at any time. Demolition, construction, and other exterior modifications resulting from the Proposed Project have the potential to disturb habitat for Swainson's hawk.

Impacts are potentially significant.

**Little Willow Flycatcher** - The Little Willow Flycatcher (*Empidonax traillii brewsteri*) is a State listed Endangered species. The Project Site is developed and it is unlikely to see this species within the Project area since the Little Willow Flycatcher prefer riparian habitat which does not exist on or near the school site. No Little Willow Flycatcher have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Little Willow Flycatcher habitat.

There would be no impacts to the Little Willow Flycatcher habitat with implementation of the Project.

**Southwestern willow flycatcher** - The Southwestern willow flycatcher (*Empidonax traillii extimus*) is a federally and State listed endangered species. The Project Site is developed and it is unlikely to see this species within the Proposed Project area since the Southwestern willow flycatcher prefer riparian habitat which does not exist on or near the school site. No Southwestern willow flycatcher have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Little Willow Flycatcher habitat.

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<sup>1</sup> The Cornell Lab of Ornithology, <https://www.allaboutbirds.org/news/>. Accessed March 2022.

There would be no impacts to the Southwestern willow flycatcher habitat with implementation of the Project.

**Least Bell's vireo** - The Least Bell's vireo (*Vireo bellii pusillus*) is a federally and State listed endangered species. The Project Site is developed and it is unlikely to see this species within the Project area since the Least Bell's vireo prefer riparian habitat which does not exist on or near the school site. No Least Bell's vireo have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Least Bell's vireo habitat.

There would be no impacts to the Least Bell's vireo habitat with implementation of the Project.

**Burrowing Owl** -The Project Site and adjacent recreational field have potential habitat for burrowing owls. The burrowing owl (*Athene cunicularia*) is a species of special concern. The school site contains open, exposed lawn areas that are not used every day of the week by students or school staff. Although no natural and native plant communities exist within the school site boundaries, the potential still exists for burrowing owls to occur on-site. No burrowing owls have been observed on the school site. However, burrowing owls can take up residence on open, exposed landscapes, whether natural or artificial, at any time. The expansive lawn and landscape area of the school site meet the criteria for potential burrowing owl habitat. Demolition, construction, and other exterior modifications on the school site have the potential to disturb habitat for burrowing owls.

Impacts are potentially significant.

**Cooper's hawk** - The Cooper's hawk (*Accipiter cooperii*) is listed as a watch list species. The Project Site is developed and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for Cooper's hawk to occur on-site. No Cooper's hawk have been observed on the school site. However, Cooper's hawk can take up residence in tall trees such as palms or eucalyptus, at any time. The landscape area of the school site meet the criteria for potential Cooper's hawk habitat. Demolition, construction, and other exterior modifications on the school site have the potential to disturb habitat for Cooper's hawk.

Impacts are potentially significant.

**Sharp-shinned hawk** - The sharp-shinned hawk (*Accipiter striatus*) is listed as a watch list species. The Project Site is developed and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for sharp-shinned hawk to occur on-site. No sharp-shinned hawk have been observed on the school site. However, sharp-shinned hawk can take up residence in tall trees such as palms or eucalyptus, at any time. The landscape area of the school site meet the criteria for potential sharp-

shinned hawk habitat. Demolition, construction, and other exterior modifications on the school site have the potential to disturb habitat for sharp-shinned hawk.

Impacts are potentially significant.

**Southern California rufous-crowned sparrow** - The Southern California rufous-crowned sparrow (*Aimophila ruficeps canescens*) is a watch list species. The Project Site is developed and it is unlikely to see this species within the Project area since the Southern California rufous-crowned sparrow prefers coastal-bluff or coastal sage scrub habitat which does not exist on or near the school site. No Southern California rufous-crowned sparrow have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Southern California rufous-crowned sparrow habitat.

There would be no impacts to the Southern California rufous-crowned sparrow habitat.

**Golden eagle** - The golden eagle (*Aquila chrysaetos*) is a fully protected species. The Project Site is developed and it is unlikely to see this species within the Project area. Although no natural and native plant communities exist within the school site boundaries the potential still exists for golden eagle to occur on-site. No golden eagle have been observed on the school site. However, golden eagle can take up residence in tall trees such as palms or eucalyptus, at any time. The landscape area of the school site meets the criteria for potential golden eagle habitat. Demolition, construction, and other exterior modifications on the school site have the potential to disturb habitat for golden eagle.

Impacts are potentially significant.

**Bell's sage sparrow** - The Bell's sage sparrow (*Artemisiospiza belli belli*) is a watch list species. The Project Site is developed, and it is unlikely to see this species within the Project area since the Bell's sage sparrow prefer coastal sagebrush, chaparral, and other open, scrubby habitats. No Bell's sage sparrow have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Bell's sage sparrow habitat.

There would be no impacts to the Bell's sage sparrow habitat with implementation of the Project.

**Long-eared owl** - The long-eared owl (*Asio otus*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for long-eared owl to occur on-site. No long-eared owl have been observed on the school site. However, long-eared owl can take up residence in tall trees such as palms or eucalyptus, at any time. The landscape area of the school site meets the criteria for potential long-eared owl habitat. Demolition, construction, and other exterior modifications on the school site have the potential to disturb habitat for long-eared owl.

Impacts are potentially significant.

**Redhead** - The Redhead (*Aythya americana*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since the Redhead prefers wetland habitat. No Redhead have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Redhead habitat.

There would be no impacts to the Redhead habitat with implementation of the Project.

**Vaux's swift** - The Vaux's swift (*Chaetura vauxi*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since the Vaux's swift prefer old growth, coniferous forests to nest. No Vaux's swift has been observed on the school site. The landscape area of the school site does not meet the criteria for potential Vaux's swift habitat.

There would be no impacts to the Vaux's swift habitat with implementation of the Project.

**Northern harrier** - The northern harrier (*Circus hudsonius*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since no natural and native plant communities exist within the school site boundaries. The landscape area of the school site does not meet the criteria for potential northern harrier habitat.

There would be no impacts to the northern harrier habitat with implementation of the Project.

**Olive-sided flycatcher** - The olive-sided flycatcher (*Contopus cooperi*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since the olive-sided flycatcher prefer habitat near pine forests or water sources. No olive-sided flycatcher have been observed on the school site. The landscape area of the school site does not meet the criteria for potential olive-sided flycatcher habitat.

There would be no impacts to the olive-sided flycatcher habitat with implementation of the Project.

**Black swift** - The black swift (*Cypseloides niger*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since the black swift prefer to nest on cliff ledges behind or near waterfalls. No black swift have been observed on the school site. The landscape area of the school site does not meet the criteria for potential black swift habitat.

There would be no impacts to the black swift habitat with implementation of the Project.

**California horned lark** - The California horned lark (*Eremophila alpestris actia*) is a watch list species. The Project Site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for California horned lark to occur on-site. No California horned lark have been

observed on the school site. However, California horned lark can take up residence in areas of sparse vegetation and areas cleared by humans, such as plowed fields and mowed expanses, at any time. The landscape area of the school site meet the criteria for potential California horned lark habitat. Demolition, construction, and other exterior modifications on the school site have the potential to disturb habitat for California horned lark.

Impacts are potentially significant.

**Prairie falcon** - The prairie falcon (*Falco mexicanus*) is a watch list species. The Project Site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for prairie falcon to occur on-site. No prairie falcon have been observed on the school site. However, prairie falcon can take up residence in grasslands, shrubsteppe desert, and areas of mixed shrubs, at any time. The landscape area of the school site meet the criteria for potential prairie falcon habitat. Demolition, construction, and other exterior modifications on the school site have the potential to disturb habitat for prairie falcon.

Impacts are potentially significant.

**American peregrine falcon** - The American peregrine falcon (*Falco peregrinus anatum*) is a fully protected species. The Project Site is developed, and it is unlikely to see this species within the Project area since the American peregrine falcon prefer higher elevations such as cliffs for nesting and are most likely to occur near the coast or other water sources. No American peregrine falcon have been observed on the school site. The landscape area of the school site does not meet the criteria for potential American peregrine falcon habitat.

There would be no impacts to the American peregrine falcon habitat with implementation of the Project.

**Common loon**- The common loon (*Gavia immer*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since the common loon prefers habitat near lakes and estuaries. No common loon have been observed on the school site. The landscape area of the school site does not meet the criteria for potential common loon habitat.

There would be no impacts to the common loon habitat with implementation of the Project.

**Yellow-breasted chat** - The yellow-breasted chat (*Icteria virens*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since the yellow-breasted chat prefers shrubby habitats along rivers. No yellow-breasted chat have been observed on the school site. The landscape area of the school site does not meet the criteria for potential yellow-breasted chat habitat.

There would be no impacts to the yellow-breasted chat habitat with implementation of the Project.

**Loggerhead shrike** - The Loggerhead shrike (*Lanius ludovicianus*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for Loggerhead shrike to occur on-site. No Loggerhead shrike have been observed on the school site. However, Loggerhead shrike can take up residence in desert scrublands, savannas, prairies, golf courses, and cemeteries, at any time. The landscape area of the school site meets the criteria for potential Loggerhead shrike habitat. Demolition, construction, and other exterior modifications on the school site have the potential to disturb habitat for Loggerhead shrike.

Impacts are potentially significant.

**California gull** - The California gull (*Larus californicus*) is a watch list species. The Project Site is developed, and it is unlikely to see this species within the Project area since the California gull prefer habitat near water sources such as coastal areas and near lakes or rivers. No California gull have been observed on the school site. The landscape area of the school site does not meet the criteria for potential California gull habitat.

There would be no impacts to California gull habitat with implementation of the Project.

**Lucy's warbler** - The Lucy's warbler (*Leiothlypis luciae*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since the Lucy's warbler prefer mesquite woodlands or scrubby areas near water sources. No Lucy's warbler have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Lucy's warbler habitat.

There would be no impacts to Lucy's warbler habitat with implementation of the Project.

**Osprey** - The Osprey (*Pandion haliaetus*) is a watch list species. The Project Site is developed, and it is unlikely to see this species within the Project area since Osprey prefer shallow, fish-filled water, including rivers, lakes, reservoirs, lagoons, swamps, and marshes. No Osprey have been observed on the school site. The landscape area of the school site does not meet the criteria for potential Osprey habitat.

There would be no impacts to Osprey habitat with implementation of the Project.

**Bryant's savannah sparrow** - The Bryant's savannah sparrow (*Passerculus sandwichensis alaudinus*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since Bryant's savannah sparrow prefer grasslands with few trees, including meadows, pastures, grassy roadsides, sedge wetlands, and cultivated fields. No Bryant's savannah sparrow have

been observed on the school site. The landscape area of the school site does not meet the criteria for potential Bryant's savannah sparrow habitat.

There would be no impacts to Bryant's savannah sparrow habitat with implementation of the Project.

**Large-billed savannah sparrow** - The large-billed savannah sparrow (*Passerculus sandwichensis rostratus*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since the large-billed savannah sparrow prefer grasslands with few trees, including meadows, pastures, grassy roadsides, western salt marshes, and cultivated fields. No large-billed savannah sparrow have been observed on the school site. The landscape area of the school site meet the criteria for potential large-billed savannah sparrow habitat.

There would no impacts to large-billed savannah sparrow habitat with implementation of the Project.

**Double-crested cormorant** - The double-crested cormorant (*Phalacrocorax auritus*) is a double-crested cormorant species. The Project Site is developed, and it is unlikely to see this species within the Project area since the double-crested cormorant prefer large bodies of water such as lakes and estuaries. No double-crested cormorant have been observed on the school site. The landscape area of the school site does not meet the criteria for potential double-crested cormorant habitat.

There would be no impacts to double-crested cormorant habitat with implementation of the Project.

**Summer tanager** - The summer tanager (*Piranga rubra*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since the summer tanager prefer low-elevation willow and cottonwood woodlands, and in higher-elevation mesquite and salt cedar stands. No summer tanager have been observed on the school site. The landscape area of the school site does not meet the criteria for potential summer tanager habitat.

There would be no impacts to summer tanager habitat with implementation of the Project.

**Black-tailed gnatcatcher** - The black-tailed gnatcatcher (*Polioptila melanura*) is a watch list species. The Project Site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for black-tailed gnatcatcher to occur on-site. No black-tailed gnatcatcher have been observed on the school site. However, black-tailed gnatcatcher can take up residence in semiarid areas with desert thorn scrub, at any time. The landscape surrounding the area of the school site meet the criteria for potential black-tailed gnatcatcher habitat. Demolition, construction, and other exterior modifications on the school site have the potential to disturb habitat for black-tailed gnatcatcher.

Impacts are potentially significant.

**Purple martin** - The purple martin (*Progne subis*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since the purple martin prefer nesting within urban cities and do not reside within desert habitat. No purple martin have been observed on the school site. The landscape area of the school site does not meet the criteria for potential purple martin habitat.

There would be no impacts to purple martin habitat with implementation of the Project.

**Vermilion flycatcher** - The Vermilion flycatcher (*Pyrocephalus rubinus*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since the Vermilion flycatcher prefer stream corridors within the scrub ecosystem. No Vermilion flycatcher have been observed on the school site. The landscape area of the school site meet the criteria for potential Vermilion flycatcher habitat.

There would be no impacts to the Vermilion flycatcher habitat with implementation of the Project.

**Yellow warbler** - The yellow warbler (*Setophaga petechia*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since the yellow warbler prefers mangrove forests, dry scrub, marshes, and forests. No yellow warbler have been observed on the school site. The landscape area of the school site does not meet the criteria for potential yellow warbler habitat.

There would be no impacts to yellow warbler habitat with implementation of the Project.

**Crissal thrasher** - The Crissal thrasher (*Toxostoma crissale*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for Crissal thrasher to occur on-site. No Crissal thrasher have been observed on the school site. However, Crissal thrasher can take up residence in dense, low scrubby vegetation, such as desert and foothill scrub, at any time. The surrounding area of the school site meets the criteria for potential Crissal thrasher habitat. Demolition, construction, and other exterior modifications on the school site have the potential to disturb habitat for Crissal thrasher.

Impacts are potentially significant.

**Le Conte's thrasher** - The Le Conte's thrasher (*Toxostoma lecontei*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area. However, since birds have the ability to migrate from different areas there is the potential to encounter this species on-site. Although no natural and native plant communities exist within the school site boundaries the potential still exists for Le Conte's thrasher to occur on-site. No Le Conte's thrasher have been observed on the school site. However, Le Conte's thrasher can take up residence in low, sandy, open deserts, at



any time. The surrounding area of the school site meet the criteria for potential Le Conte's thrasher habitat. Demolition, construction, and other exterior modifications on the school site have the potential to disturb habitat for Le Conte's thrasher.

Impacts are potentially significant.

**Yellow-headed blackbird** - The yellow-headed blackbird (*Xanthocephalus xanthocephalus*) is a species of special concern. The Project Site is developed, and it is unlikely to see this species within the Project area since the yellow-headed blackbird prefers wetland habitat and crop fields for foraging. No yellow-headed blackbird have been observed on the school site. The landscape area of the school site does not meet the criteria for potential yellow-headed blackbird habitat.

There would be no impacts to the yellow-headed blackbird habitat with implementation of the Project Site.



**APPENDIX C**

**Cultural Resources Background Data**



**APPENDIX C.1**

**Cultural Resources Search Memo**

February 26, 2021

Christine Lan  
Senior Project Manager  
Meridian Consultants, LLC  
706 S. Hill Street, 11th Floor  
Los Angeles, CA 90014  
Transmitted via email to [CLan@meridianconsultantsllc.com](mailto:CLan@meridianconsultantsllc.com)

**RE: Cultural Resource Inventory for the Palm Springs Unified School District Modernization Project: Landau Elementary School, Riverside County, California**

Dear Ms. Lan:

At the request of Meridian Consultants, LLC, PaleoWest, LLC (PaleoWest) conducted a cultural resource inventory for the Palm Springs Unified School District (PSUSD) Modernization Project: Landau Elementary School, Riverside County, California. The cultural resource inventory was limited to a cultural resource literature review and records search of the California Historic Resource Information System (CHRIS) and a review of the Sacred Lands File (SLF) by the Native American Heritage Commission (NAHC). This memorandum summarizes the results of the cultural resource inventory efforts for the Project.

The literature review and records search was conducted on February 16, 2021 by Eulices Lopez, Administrative/Coordinator Assistant at the Eastern Information Center (EIC) housed at University of California, Riverside. The records search included the 11-acre Project area as well as a half-mile (0.5 mile) radius. The purpose of the records search was to identify any known cultural resources within the immediate vicinity of the Project area. The records search also included a review of the Office of Historic Preservation Archaeological Determination of Eligibility and the Office of Historic Preservation Directory of Historic Properties Data File.

The records search indicated that 10 previous studies have been conducted within a half mile of the Project area (Table 1). Two of these studies, RI-6101 and RI-10406, include or intersect the Project area. As a result of the records search, no cultural resources were identified within the records search area. Additionally, a review of historic topographic maps and aerial photographs did not indicate any structures on the property prior to 1981.

**Table 1**  
**Previous Cultural Resource Studies within a Half Mile of the Project Area**

Report No.	Year	Author(s)	Title
RI-01099	1979	Berryman, Stanley	Results of the Palm Springs Archaeological Survey, Section 8, Township 4 South, Range 5 East
RI-01912	1985	McCarthy, Daniel F.	An Archaeological Assessment of 40 Acres of Land Located in the SW 1/4 of the SE 1/4 of Section 8, T4S, R5E, SBBM, Riverside County, California



**Table 1**  
**Previous Cultural Resource Studies within a Half Mile of the Project Area**

Report No.	Year	Author(s)	Title
RI-06101*	2004	Taniguchi, Christeen	<b>Letter Report: Records Search and Site Visit Results for Sprint Telecommunications Facility Candidate Rv62Xc901B (Landau Elementary School), 30310 Landau Boulevard, Cathedral City, Riverside County, California</b>
RI-07305	2006	Bonner, Wayne	Cultural Resource Records Search and Site Visit Results for T-Mobile Candidate IE 05326E (The Salvation Army), 30400 Landau Boulevard, Cathedral City, Riverside County, California
RI-08432	2010	Wlodarski, Robert J.	Letter Report: A Record Search and Field Reconnaissance for the Proposed AT&T Wireless Telecommunications Site RS0056 (Mt. San Jacinto High School) Located at 308000 Landau Boulevard, Cathedral City, California 92334.
RI-09082	2014	Dahdul, Mariam, Bai "Tom" Tang, Daniel Ballester, and Nina Gallardo	Phase I Archaeological Assessment: Desert Bloom Villas, Tentative Tract Map No.36591, City of Cathedral City, Riverside County, California
RI-10162	2017	Belcourt, Tria, and Judy Bernal	Phase 1 Cultural Resources Assessment: Veterans' Village Community Development Project City of Cathedral, Riverside County, California
RI-10374	2013	George, Joan, and Vanessa Mirro	Phase 1 Cultural Resources Assessment for the Coachella Valley Water District's Whitewater River- Coachella Valley Stormwater Channel Project, Riverside County, California
<b>RI-10406*</b>	<b>2012</b>	<b>Mirro, Michael</b>	<b>Archaeological Sensitivity Model for the Whitewater River Stormwater Channel, Riverside County, California</b>
RI-10854	2010	Bonner, Diane F.	Cultural Resources Record Search and Archaeological Survey Results for the proposed Royal Street Communications, California, LCC, Site LA3614B (Mt. Saint Jacinto High) located at 30800 Landau Boulevard, Cathedral City, Riverside County, California, 92234

Bolded with asterisk are studies that include or intersect the Project area.

PaleoWest contacted the NAHC for a review of the SLF on January 22, 2021. The objective of the SLF search was to determine if the NAHC had any knowledge of Native American cultural resources (e.g., traditional use or gathering area, place of religious or sacred activity, etc.) within the immediate vicinity of the Project area. The NAHC responded on February 8, 2021, stating that the SLF was completed with negative results; however, the NAHC recommended that 16 Native American individuals representing 11 tribal groups be contacted to elicit information regarding cultural resource issues related to the proposed Project (see Exhibit A for a copy of the response letter received from the NAHC).



It has been a pleasure working with you on this Project. If you have any questions, please do not hesitate to contact me at [rthomas@paleowest.com](mailto:rthomas@paleowest.com).

Sincerely,

A handwritten signature in black ink that reads "Roberta Thomas". The script is cursive and fluid, with a large initial 'R' and a decorative flourish at the end.

Roberta Thomas, M.A., RPA | Senior Archaeologist/Project Manager  
PALEOWEST



EXHIBIT A



## NATIVE AMERICAN HERITAGE COMMISSION

February 8, 2021

Roberta Thomas  
PaleoWest Archaeology

Via Email to: [rthomas@paleowest.com](mailto:rthomas@paleowest.com)

**Re: PSUSD Modernization (21-0058) – Landau Elementary School Project, Riverside County**

Dear Ms. Thomas:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: [Andrew.Green@nahc.ca.gov](mailto:Andrew.Green@nahc.ca.gov).

Sincerely,

Andrew Green  
Cultural Resources Analyst

Attachment



CHAIRPERSON  
**Laura Miranda**  
Luiseño

VICE CHAIRPERSON  
**Reginald Pagaling**  
Chumash

SECRETARY  
**Merri Lopez-Keifer**  
Luiseño

PARLIAMENTARIAN  
**Russell Attebery**  
Karuk

COMMISSIONER  
**William Mungary**  
Paiute/White Mountain  
Apache

COMMISSIONER  
**Julie Tumamait-Stenslie**  
Chumash

COMMISSIONER  
[Vacant]

COMMISSIONER  
[Vacant]

COMMISSIONER  
[Vacant]

EXECUTIVE SECRETARY  
**Christina Snider**  
Pomo

**NAHC HEADQUARTERS**  
1550 Harbor Boulevard  
Suite 100  
West Sacramento,  
California 95691  
(916) 373-3710  
[nahc@nahc.ca.gov](mailto:nahc@nahc.ca.gov)  
[NAHC.ca.gov](http://NAHC.ca.gov)



**Native American Heritage Commission  
Native American Contact List  
Riverside County  
2/8/2021**

**Agua Caliente Band of Cahuilla Indians**

Jeff Grubbe, Chairperson  
5401 Dinah Shore Drive  
Palm Springs, CA, 92264  
Phone: (760) 699 - 6800  
Fax: (760) 699-6919  
Cahuilla

**Los Coyotes Band of Cahuilla and Cupeño Indians**

Shane Chapparosa, Chairperson  
P.O. Box 189  
Warner Springs, CA, 92086-0189  
Phone: (760) 782 - 0711  
Fax: (760) 782-0712  
Cahuilla

**Agua Caliente Band of Cahuilla Indians**

Patricia Garcia-Plotkin, Director  
5401 Dinah Shore Drive  
Palm Springs, CA, 92264  
Phone: (760) 699 - 6907  
Fax: (760) 699-6924  
ACBCI-THPO@aguacaliente.net  
Cahuilla

**Morongo Band of Mission Indians**

Robert Martin, Chairperson  
12700 Pumarra Road  
Banning, CA, 92220  
Phone: (951) 849 - 8807  
Fax: (951) 922-8146  
dtorres@morongo-nsn.gov  
Cahuilla  
Serrano

**Augustine Band of Cahuilla Mission Indians**

Amanda Vance, Chairperson  
P.O. Box 846  
Coachella, CA, 92236  
Phone: (760) 398 - 4722  
Fax: (760) 369-7161  
hhaines@augustinetribe.com  
Cahuilla

**Morongo Band of Mission Indians**

Denisa Torres, Cultural Resources Manager  
12700 Pumarra Road  
Banning, CA, 92220  
Phone: (951) 849 - 8807  
Fax: (951) 922-8146  
dtorres@morongo-nsn.gov  
Cahuilla  
Serrano

**Cabazon Band of Mission Indians**

Doug Welmas, Chairperson  
84-245 Indio Springs Parkway  
Indio, CA, 92203  
Phone: (760) 342 - 2593  
Fax: (760) 347-7880  
jstapp@cabazonindians-nsn.gov  
Cahuilla

**Quechan Tribe of the Fort Yuma Reservation**

Jill McCormick, Historic Preservation Officer  
P.O. Box 1899  
Yuma, AZ, 85366  
Phone: (760) 572 - 2423  
historicpreservation@quechantribe.com  
Quechan

**Cahuilla Band of Indians**

Daniel Salgado, Chairperson  
52701 U.S. Highway 371  
Anza, CA, 92539  
Phone: (951) 763 - 5549  
Fax: (951) 763-2808  
Chairman@cahuilla.net  
Cahuilla

**Quechan Tribe of the Fort Yuma Reservation**

Manfred Scott, Acting Chairman  
Kw'ts'an Cultural Committee  
P.O. Box 1899  
Yuma, AZ, 85366  
Phone: (928) 750 - 2516  
scottmanfred@yahoo.com  
Quechan

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed PSUSD Modernization (21-0058) - Landau Elementary School Project, Riverside County.

**Native American Heritage Commission  
Native American Contact List  
Riverside County  
2/8/2021**

***Ramona Band of Cahuilla***

John Gomez, Environmental  
Coordinator  
P. O. Box 391670  
Anza, CA, 92539  
Phone: (951) 763 - 4105  
Fax: (951) 763-4325  
jgomez@ramona-nsn.gov

Cahuilla

***Torres-Martinez Desert Cahuilla  
Indians***

Michael Mirelez, Cultural  
Resource Coordinator  
P.O. Box 1160  
Thermal, CA, 92274  
Phone: (760) 399 - 0022  
Fax: (760) 397-8146  
mmirelez@tmdci.org

Cahuilla

***Ramona Band of Cahuilla***

Joseph Hamilton, Chairperson  
P.O. Box 391670  
Anza, CA, 92539  
Phone: (951) 763 - 4105  
Fax: (951) 763-4325  
admin@ramona-nsn.gov

Cahuilla

***Santa Rosa Band of Cahuilla  
Indians***

Lovina Redner, Tribal Chair  
P.O. Box 391820  
Anza, CA, 92539  
Phone: (951) 659 - 2700  
Fax: (951) 659-2228  
lsaul@santarosa-nsn.gov

Cahuilla

***Soboba Band of Luiseno  
Indians***

Scott Cozart, Chairperson  
P. O. Box 487  
San Jacinto, CA, 92583  
Phone: (951) 654 - 2765  
Fax: (951) 654-4198  
jontiveros@soboba-nsn.gov

Cahuilla  
Luiseno

***Soboba Band of Luiseno  
Indians***

Joseph Ontiveros, Cultural  
Resource Department  
P.O. BOX 487  
San Jacinto, CA, 92581  
Phone: (951) 663 - 5279  
Fax: (951) 654-4198  
jontiveros@soboba-nsn.gov

Cahuilla  
Luiseno

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed PSUSD Modernization (21-0058) - Landau Elementary School Project, Riverside County.



**PHOENIX HQ**

602.261.7253  
319 East Palm Lane  
Phoenix, AZ 85004

**AUSTIN**

512.394.7477  
206 West Main Street, Suite 111  
Round Rock, TX 78664

**DENVER**

303.214.4301  
308 E Simpson Street  
Lafayette, CO 80026

**NEW YORK**

321.258.0274  
55 W 116th St, Suite 176  
New York, NY 10026

**LOS ANGELES**

626.408.8006  
517 S. Ivy Avenue  
Monrovia, CA 91016

**ORANGE COUNTY**

949.215.0523  
27001 La Paz Road, Suite 230  
Mission Viejo, CA 92691

**LAS VEGAS**

702.779.3033  
3313 S. Water Street, Unit D  
Henderson, NV 89015

**BAY AREA**

925.253.9070  
1870 Olympic Boulevard, Suite 100  
Walnut Creek, CA 94596

**SAN DIEGO**

619.210.0199  
3990 Old Town Avenue Suite C101  
San Diego, CA 92110

**SANTA FE**

505.516.0261  
1010 Marquez Place, Suite C  
Santa Fe, New Mexico 87505

**TALLAHASSEE**

850.296.3669  
916 East Park Avenue  
Tallahassee, FL 32301

**PORTLAND**

502.645.3116  
2918 N. Lombard Street  
Portland, OR 97211

**SALT LAKE CITY**

866.563.2536  
2002 South 1300 East  
Salt Lake City, UT 84105



**APPENDIX C.2**

**PSUSD School Major Renovations Correspondence**

---

**From:** Arthur, Julie (jarthur@psusd.us) <jarthur@psusd.us>  
**Sent:** Monday, November 16, 2020 12:56 PM  
**To:** Joe Gibson  
**Cc:** Hems, Kent (khems@psusd.us)  
**Subject:** FW: PSUSD School Major Renovations

Joe and Kent,  
See Pam's email below. Let me know your thoughts.

**Julie Arthur**  
Executive Director of  
Facilities Planning & Development



LIFELONG LEARNING STARTS HERE  
Phone 760.883.2710, option 1  
Internal extension 4806142

---

**From:** Pam Daly [mailto:daly.rvrsde@sbcglobal.net]  
**Sent:** Monday, November 16, 2020 12:53 PM  
**To:** Arthur, Julie (jarthur@psusd.us) <jarthur@psusd.us>  
**Cc:** Mann, Yolonda (ymann@psusd.us) <ymann@psusd.us>  
**Subject:** RE: PSUSD School Major Renovations

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

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Hi Julie;

First – thank you for your Freudian slip of calling the plaques at the schools with Wexler classrooms “plagues”. I know how you love the Wexler buildings. 😊

Second – Under CEQA, a property is investigated for its potential to be considered a historic resource when it “attains sufficient age” to be evaluated for significance. “Sufficient age” generally means 50 years of age, and that is to follow the guidelines of listing a property in the National Register of Historic Places. But the “sufficient age” guideline means that a property could be evaluated as a “property achieving significance within the past 50 years if it is of exceptional importance” (Criteria consideration “g.” of the National Register Criteria for Evaluation.)

When the National Register uses the term “exceptional importance” it means that a property like the Walt Disney Concert Hall, or the Sundial Bridge in Redding, CA, can be considered for listing in the NR even though it isn’t 50 years old.

So, your elementary school buildings definitely don’t meet the 50 year mark, and I’m pretty sure they aren’t of the architectural importance of those mentioned above or of the Rock and Roll Hall of Fame (1985-97) in Cleveland, OH (designed by I.M. Pei).

Just because a building is designed by a master architect, unless the design is worthy of being saved as an outstanding example of Wexler’s work, it would have to be at the level of a Frank Gehry or I.M. Pei modernist creation.

I don’t believe you need to have the buildings evaluated. The CEQA Checklist asks: Will the project cause a substantial adverse change in the significance of a historical resource?

And the CEQA & Historical Resources Technical Advice Series says “the local agency should employ recognized criteria to determine whether a previously unrecognized significant historical resource exists”. The “sufficient age” and “lack of exceptional importance” are recognized criteria.

The school buildings don’t meet the criteria to be investigated as historical resources due to age, and they don’t meet the criteria (C of NR, 3 of CR) to be considered exceptional examples of elementary school buildings.

I can prepare a cost estimate for a letter report – basically stating what I’ve said – but you may not need anything. I’d run this by your CEQA/planning consultants and see what they recommend.

I totally understand your being concerned having Wexler buildings in your project.

--Pam

**Pamela Daly, M.S.H.P.**  
**Daly & Associates**  
**(951) 369-1366**

---

**From:** Arthur, Julie ([jarthur@psusd.us](mailto:jarthur@psusd.us)) [<mailto:jarthur@psusd.us>]  
**Sent:** Monday, November 09, 2020 10:00 AM  
**To:** 'Pam Daly'  
**Cc:** Mann, Yolonda ([ymann@psusd.us](mailto:ymann@psusd.us))  
**Subject:** RE: PSUSD School Major Renovations

Pam,  
I went by last Friday evening and check the dedication plaques. We were close but slight adjustment needed

Elementary Schools	Street	City	Zip	Year Built
Bubbling Wells Elementary	67-501 Camino Campanero	DHS	92240	1992
Landau Elementary	30-310 Landau Boulevard	CC	92234	1988
Sunny Sands Elementary	69-310 McCallum Way	CC	92234	1989

**Julie Arthur**  
Executive Director of  
Facilities Planning & Development



LIFELONG LEARNING STARTS HERE  
Phone 760.883.2710, option 1  
Internal extension 4806142

---

**From:** Arthur, Julie ([jarthur@psusd.us](mailto:jarthur@psusd.us))  
**Sent:** Friday, November 6, 2020 3:37 PM  
**To:** 'Pam Daly' <[daly.rvrsde@sbcglobal.net](mailto:daly.rvrsde@sbcglobal.net)>



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**APPENDIX D**

**Energy Calculations**

<b>Table 1. Summary of Energy Use During Construction</b>	
<b>Fuel Type</b>	<b>Quantity</b>
<b>Diesel</b>	
Off-Road Construction Equipment	62,356 Gallons
On-Road Motor Vehicles	6,895 Gallons
Total	69,251 Gallons
<b>Gasoline</b>	
Off-Road Construction Equipment	0 Gallons
On-Road Motor Vehicles	3,389 Gallons
Total	3,389 Gallons
<b>Electricity</b>	
Total	675.6 kWh



Table 2. Summary of Annual Energy Use During Operation			
Source	Units	Buildout	Existing
<b>Electricity</b>			
Elementary School	kWh/yr	417,684	393,450
Water Conveyance	kWh/yr	64,342	49,167
<i>Total Electricity</i>	<i>kWh/yr</i>	<i>482,026</i>	<i>442,617</i>
<b>Natural Gas</b>			
Elementary School	kBTU/yr	517,785	401,196
<i>Total Natural Gas</i>	<i>kBTU/yr</i>	<i>517,785</i>	<i>401,196</i>
<b>Transportation/On-Site Sources</b>			
Diesel	gallons	121,306	123,940
Gasoline	gallons	300,159	316,376
Total	gallons	421,464	440,316

Table 3. Water by Land Use							
Land Use	Units	Project			Existing		
		Indoor/Outdoor Use	Indoor Use	Outdoor Use	Indoor/Outdoor Use	Indoor Use	Outdoor Use
Buildout	Mgal	1.38211 / 4.1715	1.38211	4.1715	1.1822 / 3.03995	1.1822	3.03995

**Water and Wastewater Electricity Intensity (kWh/gallon)**

Supply Water	0.009727
Treat Water	0.000111
Distribute Water	0.001272
Wastewater Treatment	0.001911

Source: CalEEMod User's Guide, Appendix D, Table 9.2 Riverside - Salton Sea

Indoor Water Factor	0.013021 kWh/gallon (supply, treat, distribute, wastewater treatment)
Outdoor Water Factor	0.01111 kWh/gallon (supply, treat, and distribute)

**Notes:**

Electricity and Natural Gas for the Proposed Project is total operational usage.

Electricity, natural gas, and mobile usage was calculated from CalEEMod.

Indoor water factor used for entire Project Site for conservative analysis.

**Table 4. Off-Road Equipment Fuel Usage During Construction**

Phase Name	Off-road Equipment Type	Amount	Hours per Day	Horsepower	Load Factor	Number of Days	Diesel Fuel Usage
							(Gallons per Project)
<b>Phase 1</b>							
Demolition	Concrete/Industrial Saws	1	8	81	0.73	65	1,537
Demolition	Rubber Tired Dozers	1	8	247	0.4	65	2,569
Demolition	Tractors/Loaders/Backhoes	3	8	97	0.37	65	2,799
Grading	Graders	1	8	187	0.41	23	705
Grading	Rubber Tired Dozers	1	8	247	0.4	23	909
Grading	Tractors/Loaders/Backhoes	2	7	97	0.37	23	578
Building Construction	Cranes	1	6	231	0.29	239	4,803
Building Construction	Forklifts	1	6	89	0.2	239	1,276
Building Construction	Generator Sets	1	8	84	0.74	239	5,942
Building Construction	Tractors/Loaders/Backhoes	1	6	97	0.37	239	2,573
Building Construction	Welders	3	8	46	0.45	239	5,937
Architectural Coating	Air Compressors	1	6	78	0.48	22	247
<b>Phase Total</b>							<b>29,877</b>
<b>Phase 2-3</b>							
Demolition	Concrete/Industrial Saws	1	8	81	0.73	66	1561
Demolition	Rubber Tired Dozers	1	8	247	0.4	66	2608
Demolition	Tractors/Loaders/Backhoes	3	8	97	0.37	66	2842
Building Construction	Cranes	1	8	231	0.29	238	6377
Building Construction	Forklifts	2	7	89	0.2	238	2965
Building Construction	Generator Sets	1	8	84	0.74	238	5918
Building Construction	Tractors/Loaders/Backhoes	1	6	97	0.37	238	2563
Building Construction	Welders	3	8	46	0.45	238	5912
MPR Renovation	Air Compressors	1	8	78	0.48	44	659
Architectural Coating	Air Compressors	1	6	78	0.48	23	258
Paving	Cement and Mortar Mixers	1	8	9	0.56	10	20
Paving	Pavers	1	8	130	0.42	10	218
Paving	Paving Equipment	1	8	132	0.36	10	190
Paving	Rollers	2	8	80	0.38	10	243
Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	10	144
<b>Phase Total</b>							<b>32480</b>
<b>Project Total</b>							<b>62,356</b>

**Notes:**

*Equipment assumptions from CalEEMod.*

*Fuel usage estimate of 0.05 gallons per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3 E.*

**Table 5. On-Road Vehicle Fuel Usage During Construction**

Sub Area 1	Days	Daily Trips		Total			Trip Length (Miles)			Total Length (Miles)			Fuel Consumption (Gallons)	
		Worker	Vendor	Worker Trips	Vendor Trips	Haul Trips	Worker	Vendor	Hauling	Worker	Vendor	Hauling	Gasoline	Diesel
Demolition (1)	65	13	0	845	0	52	11.0	5.4	20	9,295	0	1,040	362	437
Grading (1)	23	10	0	230	0	625	11.0	5.4	20	2,530	0	12,500	99	2,117
Building Construction (1)	239	11	4	2,629	956	0	11.0	5.4	20	28,919	5,162	0	1,127	1,673
Architectural Coating (1)	22	2	0	44	0	0	11.0	5.4	20	484	0	0	19	14
Demolition (2-3)	66	13	0	858	0	106	11.0	5.4	20	9,438	0	2,120	368	617
Building Construction (2-3)	238	11	4	2,618	952	0	11.0	5.4	20	28,798	5,141	0	1,123	1,666
MPR Renovation (2-3)	44	11	4	484	176	0	11.0	5.4	20	5,324	950	0	208	308
Architectural Coating (2-3)	23	2	0	46	0	0	11.0	5.4	20	506	0	0	20	15
Paving (2-3)	10	15	0	150	0	0	11.0	5.4	20	1,650	0	0	64	47
<b>Total</b>	<b>730</b>	<b>88</b>	<b>12</b>	<b>7,904</b>	<b>2,084</b>	<b>783</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>86,944</b>	<b>11,254</b>	<b>15,660</b>	<b>3,389</b>	<b>6,895</b>

<b>Fuel Efficiency</b>	Gas	DSL
Workers	25.65	34.88
Vendor/Haul Trucks	0	6.11

**Notes:**  
 Fuel efficiency calculated in **Table 7: EMFAC2021 Results - Construction.**

Table 6. Water Usage for Control of Fugitive Dust During Construction			
Phase Name	Total Acres	Gallons for Project	Electricity (kWh)
Project	23.0	69,460	675.6

**Notes:**

*Total acres graded based on CalEEMod output sheets.*

**Water Usage**

3,020 gallons per acre per day

*Source: Air & Waste Management Association, Air Pollution Engineering Manual, 1992 Edition*

**Supply Water Electricity Intensity**

0.009727 kWh/gallons (CalEEMod default)

Table 7. EMFAC2021 Results - Construction								
Vehicle Class	Fuel	VMT (miles per day)	Fuel (1,000 gal per day)	Fuel Efficiency (miles per gallon)	Fuel	VMT (miles per day)	Fuel (1,000 gal per day)	Fuel Efficiency (miles per gallon)
LDA	GAS	25,847,634	914.07	28.28	DSL	78,564	1.87	42.02
LDT1	GAS	2,131,713	91.26	23.36	DSL	679	0.03	24.33
LDT2	GAS	11,028,403	485.86	22.70	DSL	35,894	1.15	31.16
<b>Average (LDA, LDT1, LDT2)</b>				<b>25.65</b>				<b>34.88</b>
T7 Tractor Construction	DSL	449,395	73.52	6.11				

**Construction Worker Fleet Mix**

LDA	50%
LDT1	25%
LDT2	25%

**Vendor and Delivery/Haul Truck Fleet Mix**

HHDT	100%
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Source: EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: County

Region: Riverside

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC202x Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption.

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	VMT	Trips	Fuel_Consumption
Riverside	2022	LDA	Aggregate	Aggregate	Gasoline	631263.9969	25847634.02	2949604.94	914.0720229
Riverside	2022	LDA	Aggregate	Aggregate	Diesel	2196.653698	78564.3487	9694.75503	1.869583594
Riverside	2022	LDA	Aggregate	Aggregate	Electricity	17587.11121	776829.789	88909.16422	0
Riverside	2022	LDT1	Aggregate	Aggregate	Gasoline	59198.30437	2131713.274	256842.7273	91.25607995
Riverside	2022	LDT1	Aggregate	Aggregate	Diesel	34.7886086	679.0259591	103.8388682	0.02790836
Riverside	2022	LDT1	Aggregate	Aggregate	Electricity	39.37108972	1505.924106	188.8452477	0
Riverside	2022	LDT2	Aggregate	Aggregate	Gasoline	261723.7424	11028402.51	1228226.977	485.8573097
Riverside	2022	LDT2	Aggregate	Aggregate	Diesel	794.7199281	35894.03111	3845.080543	1.151766279
Riverside	2022	T7 Tractor Class	Aggregate	Aggregate	Diesel	5327.039618	449395.1129	77401.88565	73.51608191
									1567.750753
									1567750.753
		Gas	1491.185413	1491185.413	544282675.6	35,378,625.00		572,229,024.73	
		Diesel	76.56534014	76565.34014	27946349.15	10,548,851.00			
						45,927,476.00			

Table 8. On road Vehicles - Operational				
Scenario	Annual VMT	Fuel Consumption (gal)		
		Gasoline	Diesel	Total
Existing	8,360,518	316,376	123,940	440,316
Project	8,360,518	300,159	121,306	421,464

Table 9. Fuel Consumption Summary		
Existing		
Fuel	Fuel Efficiency (MPG)	%Fleet
Gasoline	23.5	89.0%
Diesel	7.4	11.0%
Project		
Fuel	Fuel Efficiency (MPG)	%Fleet
Gasoline	24.8	89.0%
Diesel	7.6	11.0%

**Notes:**

*Percent fleet and fuel efficiency based on*

**Table 10: EMFAC2021 Emissions**

**Inventory-Operations**

Annual VMT obtained from the CalEEMod Output files.

Table 10. EMFAC2021 Emissions Inventory - Operations									
Fuel	VMT (miles/day)	Fuel Consumption (1,000 gal/day)	Fuel Efficiency (miles per gallon)	Fuel Percentage		Existing VMT	Fuel Consumption	Fuel Efficiency	Fuel Percentage
GAS	50,301,893	2,029	24.8	89		49,014,500	2,084	23.5	89
DSL	6,281,158	829	7.6	11		6,001,657	809	7.4	11

Note: Fuel percentage based on VMT.

Fuel efficiency calculated using fuel consumption and VMT from EMFAC2021.

**Buildout**

Source: EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: County

Region: Riverside

Calendar Year: 2025

Season: Annual

Vehicle Classification: EMFAC202x Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption.

Region	CalYr	VehClass	MdYr	Speed	Fuel	Population	VMT	Trips	Fuel_Consumption
Riverside	2025	All Other Buses	Aggregate	Aggregate	Diesel	227.3862477	12094.05006	2023.7376	1.25280383
Riverside	2025	LDA	Aggregate	Aggregate	Diesel	1836.097603	62062.60412	7926.656	1.44880237
Riverside	2025	LDT1	Aggregate	Aggregate	Diesel	24.98140446	466.6780382	70.495842	0.01912879
Riverside	2025	LDT2	Aggregate	Aggregate	Diesel	950.162807	42713.04304	4570.6757	1.30738132
Riverside	2025	LHD1	Aggregate	Aggregate	Diesel	19293.10862	711434.2665	242683.04	34.3899121
Riverside	2025	LHD2	Aggregate	Aggregate	Diesel	8709.67701	321982.2328	109556.78	18.6485311
Riverside	2025	MDV	Aggregate	Aggregate	Diesel	3125.099888	127495.1744	14457.822	5.35623234
Riverside	2025	MH	Aggregate	Aggregate	Diesel	2642.984332	22620.20355	264.29843	2.18143113
Riverside	2025	Motor Coach	Aggregate	Aggregate	Diesel	58.42408309	7811.013718	1342.5854	1.37357863
Riverside	2025	PTO	Aggregate	Aggregate	Diesel	0	52134.71587	0	10.4043784
Riverside	2025	SBUS	Aggregate	Aggregate	Diesel	646.5716332	13349.2757	9362.3572	1.81646347
Riverside	2025	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	15.01526099	1006.422713	345.0507	0.10945709
Riverside	2025	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	19.86534124	1382.930258	456.50554	0.15048479
Riverside	2025	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	67.41629637	3589.254761	1549.2265	0.38460857
Riverside	2025	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	111.1495378	22736.02911	2554.2164	2.26429001
Riverside	2025	T6 Instate Delivery	Aggregate	Aggregate	Diesel	539.723242	18233.15045	7701.8507	2.04273148
Riverside	2025	T6 Instate Delivery	Aggregate	Aggregate	Diesel	511.1505535	17417.74432	7294.1184	1.97596663
Riverside	2025	T6 Instate Delivery	Aggregate	Aggregate	Diesel	1474.542522	49945.40514	21041.722	5.55548543
Riverside	2025	T6 Instate Delivery	Aggregate	Aggregate	Diesel	228.3294595	12343.86499	3258.2614	1.3290169
Riverside	2025	T6 Instate Other Cl	Aggregate	Aggregate	Diesel	1973.559849	82586.34144	22814.352	9.30526653

Riverside	2025 T6 Instate Other Cl:	Aggregate	Aggregate	Diesel	4394.632465	191018.879	50801.951	21.6431079
Riverside	2025 T6 Instate Other Cl:	Aggregate	Aggregate	Diesel	3237.198865	138081.8055	37422.019	15.4636297
Riverside	2025 T6 Instate Other Cl:	Aggregate	Aggregate	Diesel	1559.294921	70789.06108	18025.449	7.75313393
Riverside	2025 T6 Instate Tractor C	Aggregate	Aggregate	Diesel	23.47451601	1163.763685	271.36541	0.12887144
Riverside	2025 T6 Instate Tractor C	Aggregate	Aggregate	Diesel	483.7364209	28288.91659	5591.993	2.89835111
Riverside	2025 T6 OOS Class 4	Aggregate	Aggregate	Diesel	8.978385858	597.4727433	206.32331	0.06424726
Riverside	2025 T6 OOS Class 5	Aggregate	Aggregate	Diesel	11.8194804	819.625164	271.61166	0.08829279
Riverside	2025 T6 OOS Class 6	Aggregate	Aggregate	Diesel	40.41222962	2141.704003	928.67304	0.22607822
Riverside	2025 T6 OOS Class 7	Aggregate	Aggregate	Diesel	61.1079253	15572.85129	1404.2601	1.53832922
Riverside	2025 T6 Public Class 4	Aggregate	Aggregate	Diesel	110.633596	3824.105656	567.55035	0.44205688
Riverside	2025 T6 Public Class 5	Aggregate	Aggregate	Diesel	161.8818662	5886.962511	830.45397	0.68563277
Riverside	2025 T6 Public Class 6	Aggregate	Aggregate	Diesel	233.3717047	8159.323205	1197.1968	0.94276659
Riverside	2025 T6 Public Class 7	Aggregate	Aggregate	Diesel	364.8074207	16424.11082	1871.4621	1.85778792
Riverside	2025 T6 Utility Class 5	Aggregate	Aggregate	Diesel	213.5556003	8654.970361	2733.5117	0.93134135
Riverside	2025 T6 Utility Class 6	Aggregate	Aggregate	Diesel	40.35145024	1628.968414	516.49856	0.17457219
Riverside	2025 T6 Utility Class 7	Aggregate	Aggregate	Diesel	45.49224323	2258.514672	582.30071	0.24086241
Riverside	2025 T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	5605.981077	1162096.054	128825.45	185.99317
Riverside	2025 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	5070.901623	1396762.179	116529.32	217.430256
Riverside	2025 T7 NOOS Class 8	Aggregate	Aggregate	Diesel	2142.574653	507332.0465	49236.366	80.8108305
Riverside	2025 T7 POLA Class 8	Aggregate	Aggregate	Diesel	2960.290098	373426.2434	48430.346	62.6233153
Riverside	2025 T7 Public Class 8	Aggregate	Aggregate	Diesel	728.1524278	29432.76842	3735.422	5.0311387
Riverside	2025 T7 Single Concrete/	Aggregate	Aggregate	Diesel	1281.244606	88480.11911	12069.324	14.4749341
Riverside	2025 T7 Single Dump Cla	Aggregate	Aggregate	Diesel	1235.54349	71733.82608	11638.82	12.0683214
Riverside	2025 T7 Single Other Cla	Aggregate	Aggregate	Diesel	1453.08352	83566.15721	13688.047	13.857622
Riverside	2025 T7 SWCV Class 8	Aggregate	Aggregate	Diesel	63.54117698	4122.603216	292.28941	1.51399476
Riverside	2025 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	6272.664073	478518.1106	91141.809	77.1797975
Riverside	2025 T7 Utility Class 8	Aggregate	Aggregate	Diesel	155.9331814	6942.473646	1995.9447	1.12345617
Riverside	2025 UBUS	Aggregate	Aggregate	Diesel	0.3117338	30.10971099	1.2469352	0.00267512
Riverside	2025 LDA	Aggregate	Aggregate	Gasoli	628741.8431	25913929.34	2926820.5	873.929595
Riverside	2025 LDT1	Aggregate	Aggregate	Gasoli	55586.8954	2050905.802	241530.21	83.7720483
Riverside	2025 LDT2	Aggregate	Aggregate	Gasoli	284782.3726	12228523.63	1337654.9	506.748123
Riverside	2025 LHD1	Aggregate	Aggregate	Gasoli	23953.95553	890989.1512	356878.25	63.8646579
Riverside	2025 LHD2	Aggregate	Aggregate	Gasoli	3679.240253	129727.509	54815.198	10.6062101
Riverside	2025 MCY	Aggregate	Aggregate	Gasoli	31129.94771	182166.5019	62259.895	4.34140778
Riverside	2025 MDV	Aggregate	Aggregate	Gasoli	215897.5079	8689269.72	989570.84	445.952134
Riverside	2025 MH	Aggregate	Aggregate	Gasoli	5588.101703	48512.84768	559.03369	9.96416562
Riverside	2025 OBUS	Aggregate	Aggregate	Gasoli	514.8271479	22309.96671	10300.662	4.32184638
Riverside	2025 SBUS	Aggregate	Aggregate	Gasoli	530.1539817	24322.97172	2120.6159	2.73083333
Riverside	2025 T6TS	Aggregate	Aggregate	Gasoli	1937.413086	102040.6708	38763.761	19.4514874
Riverside	2025 T7IS	Aggregate	Aggregate	Gasoli	8.568356502	648.642535	171.43568	0.17012132
Riverside	2025 UBUS	Aggregate	Aggregate	Gasoli	146.4959788	18545.85863	585.98392	3.28854319



	VMT Sum	Fuel Sum	Fuel Sum/Year
Diesel	6281158.127	828.5045243	<b>302,404,151</b>
Gas	50301892.62	2029.141174	<b>740,636,528</b>
			1,043,040,680

**Existing**

Source: EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: County

Region: Riverside

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC202x Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption.

Region	CalYr	VehClass	MdYr	Speed	Fuel	Population	VMT	Trips	Fuel_Consumption
Riverside		2022 All Other Buses	Aggregate	Aggregate	Diesel	215.1333291	11664.07426	1914.6866	1.20544751
Riverside		2022 LDA	Aggregate	Aggregate	Diesel	2196.653698	78564.3487	9694.755	1.86958359
Riverside		2022 LDT1	Aggregate	Aggregate	Diesel	34.7886086	679.0259591	103.83887	0.02790836
Riverside		2022 LDT2	Aggregate	Aggregate	Diesel	794.7199281	35894.03111	3845.0805	1.15176628
Riverside		2022 LHD1	Aggregate	Aggregate	Diesel	19562.12381	724726.8784	246066.91	35.5732349
Riverside		2022 LHD2	Aggregate	Aggregate	Diesel	8604.492864	323393.4583	108233.7	19.1409137
Riverside		2022 MDV	Aggregate	Aggregate	Diesel	3170.444078	132949.0743	14916.085	5.78214885
Riverside		2022 MH	Aggregate	Aggregate	Diesel	2733.786727	24412.34718	273.37867	2.35255425
Riverside		2022 Motor Coach	Aggregate	Aggregate	Diesel	53.94328758	7715.34335	1239.6167	1.37272969
Riverside		2022 PTO	Aggregate	Aggregate	Diesel	0	51023.12477	0	10.5814287
Riverside		2022 SBUS	Aggregate	Aggregate	Diesel	675.6625066	14483.87787	9783.5931	1.98058686
Riverside		2022 T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	14.21983044	965.4698166	326.7717	0.10730922
Riverside		2022 T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	19.13486381	1324.450974	439.71917	0.14679721
Riverside		2022 T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	57.98605851	3460.828288	1332.5196	0.37980663
Riverside		2022 T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	102.662908	21687.56297	2359.1936	2.22798505
Riverside		2022 T6 Instate Delivery	Aggregate	Aggregate	Diesel	510.0944424	17397.65983	7279.0477	1.96545011
Riverside		2022 T6 Instate Delivery	Aggregate	Aggregate	Diesel	472.7443839	16615.29736	6746.0624	1.90532726
Riverside		2022 T6 Instate Delivery	Aggregate	Aggregate	Diesel	1386.191328	47598.85182	19780.95	5.32250395
Riverside		2022 T6 Instate Delivery	Aggregate	Aggregate	Diesel	216.292565	11758.7032	3086.4949	1.2598304
Riverside		2022 T6 Instate Other Cl	Aggregate	Aggregate	Diesel	1927.608036	78769.05083	22283.149	8.89158249
Riverside		2022 T6 Instate Other Cl	Aggregate	Aggregate	Diesel	4052.093779	182023.2237	46842.204	20.7768685
Riverside		2022 T6 Instate Other Cl	Aggregate	Aggregate	Diesel	3052.0604	131682.5488	35281.818	14.8029595
Riverside		2022 T6 Instate Other Cl	Aggregate	Aggregate	Diesel	1402.861312	67606.99334	16217.077	7.44886816
Riverside		2022 T6 Instate Tractor C	Aggregate	Aggregate	Diesel	22.36180159	1115.674721	258.50243	0.12398014
Riverside		2022 T6 Instate Tractor C	Aggregate	Aggregate	Diesel	444.8325529	26956.08499	5142.2643	2.77070001
Riverside		2022 T6 OOS Class 4	Aggregate	Aggregate	Diesel	8.382871587	564.4069441	192.63839	0.06274692
Riverside		2022 T6 OOS Class 5	Aggregate	Aggregate	Diesel	11.23595738	774.2648336	258.2023	0.08585652
Riverside		2022 T6 OOS Class 6	Aggregate	Aggregate	Diesel	34.12660902	2023.176162	784.22948	0.22215137

Riverside	2022 T6 OOS Class 7	Aggregate	Aggregate	Diesel	57.63572068	14711.00649	1324.4689	1.50979058
Riverside	2022 T6 Public Class 4	Aggregate	Aggregate	Diesel	115.4849032	3868.378192	592.43755	0.45392734
Riverside	2022 T6 Public Class 5	Aggregate	Aggregate	Diesel	158.8393829	5838.881531	814.84603	0.68674456
Riverside	2022 T6 Public Class 6	Aggregate	Aggregate	Diesel	249.3339481	8274.454229	1279.0832	0.97638198
Riverside	2022 T6 Public Class 7	Aggregate	Aggregate	Diesel	390.9998527	16637.94328	2005.8292	1.92797273
Riverside	2022 T6 Utility Class 5	Aggregate	Aggregate	Diesel	209.9870732	8558.803222	2687.8345	0.93309666
Riverside	2022 T6 Utility Class 6	Aggregate	Aggregate	Diesel	39.86590606	1608.118137	510.2836	0.17528988
Riverside	2022 T6 Utility Class 7	Aggregate	Aggregate	Diesel	45.29789912	2233.061565	579.81311	0.242447
Riverside	2022 T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	5206.882173	1095323.97	119654.15	181.680439
Riverside	2022 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	4696.272401	1300712.472	107920.34	216.104369
Riverside	2022 T7 NOOS Class 8	Aggregate	Aggregate	Diesel	1954.930231	472444.866	44924.297	78.8519268
Riverside	2022 T7 POLA Class 8	Aggregate	Aggregate	Diesel	2459.996522	321415.4571	40245.543	53.4672843
Riverside	2022 T7 Public Class 8	Aggregate	Aggregate	Diesel	784.932784	31300.93516	4026.7052	5.4224161
Riverside	2022 T7 Single Concrete	Aggregate	Aggregate	Diesel	1255.758902	89028.78422	11829.249	14.9259424
Riverside	2022 T7 Single Dump Cla	Aggregate	Aggregate	Diesel	1152.416374	71342.73176	10855.762	12.0397146
Riverside	2022 T7 Single Other Cla	Aggregate	Aggregate	Diesel	1300.273789	78694.87238	12248.579	13.1814952
Riverside	2022 T7 SWCV Class 8	Aggregate	Aggregate	Diesel	86.49291113	5615.46853	397.86739	2.07662405
Riverside	2022 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	5327.039618	449395.1129	77401.886	73.5160819
Riverside	2022 T7 Utility Class 8	Aggregate	Aggregate	Diesel	143.8060574	6791.312355	1840.7175	1.11460462
Riverside	2022 UBUS	Aggregate	Aggregate	Diesel	0.3117338	30.10971099	1.2469352	0.00267459
Riverside	2022 LDA	Aggregate	Aggregate	Gasoli	631263.9969	25847634.02	2949604.9	914.072023
Riverside	2022 LDT1	Aggregate	Aggregate	Gasoli	59198.30437	2131713.274	256842.73	91.2560799
Riverside	2022 LDT2	Aggregate	Aggregate	Gasoli	261723.7424	11028402.51	1228227	485.85731
Riverside	2022 LHD1	Aggregate	Aggregate	Gasoli	24636.9459	880794.7049	367053.78	68.8134757
Riverside	2022 LHD2	Aggregate	Aggregate	Gasoli	3846.221116	134927.7274	57302.964	11.7587457
Riverside	2022 MCY	Aggregate	Aggregate	Gasoli	30959.73459	182837.7155	61919.469	4.41765506
Riverside	2022 MDV	Aggregate	Aggregate	Gasoli	216352.2701	8582929.894	993015.16	465.06247
Riverside	2022 MH	Aggregate	Aggregate	Gasoli	6636.976991	58779.89086	663.96318	12.0801869
Riverside	2022 OBUS	Aggregate	Aggregate	Gasoli	567.9898279	25802.03422	11364.34	5.16181839
Riverside	2022 SBUS	Aggregate	Aggregate	Gasoli	516.3584192	23324.40668	2065.4337	2.64041693
Riverside	2022 T6TS	Aggregate	Aggregate	Gasoli	1966.180451	98100.58886	39339.338	19.4196242
Riverside	2022 T7IS	Aggregate	Aggregate	Gasoli	13.99919805	814.1099593	280.09595	0.22252011
Riverside	2022 UBUS	Aggregate	Aggregate	Gasoli	145.6342999	18438.99521	582.5372	3.27357114

	VMT Sum	Fuel Sum	Fuel Sum/Year
Diesel	6001656.572	808.8282495	<b>295,222,311</b>
Gas	49014499.88	2084.035897	<b>760,673,102</b>
			1,055,895,413
Difference		1600.838555	0.553374951



**APPENDIX E**

**Greenhouse Gas Emissions Output Sheets**



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**APPENDIX E.1**

Construction

Landau Construction - Phase 1 - Riverside-Salton Sea County, Annual

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

**Landau Construction - Phase 1  
Riverside-Salton Sea County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	26.42	1000sqft	1.50	26,416.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2024
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	390.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - Phase 1 construction area is approximately 1.5 acres.

Construction Phase - Construction schedule per Schematic Design Submittal (November 2021).

Trips and VMT -

Demolition -

Grading - Assumed up to 5,000 cy soil export.

Architectural Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Vehicle Trips - Construction only.

Area Coating -

Water And Wastewater -

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

Solid Waste -

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	200.00	239.00
tblConstructionPhase	NumDays	20.00	65.00
tblConstructionPhase	NumDays	4.00	23.00
tblGrading	MaterialExported	0.00	5,000.00
tblLandUse	LandUseSquareFeet	26,420.00	26,416.00
tblLandUse	LotAcreage	0.61	1.50
tblVehicleTrips	WD_TR	19.52	0.00



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

Quarter	Start Date	End Date	Maximum Baseline ROG + NOX (tons/quarter)	Maximum Regulatory Compliance ROG + NOX (tons/quarter)
1	10-1-2022	12-31-2022	0.6009	0.6009
2	1-1-2023	3-31-2023	0.2079	0.2079
3	4-1-2023	6-30-2023	0.4357	0.4357
4	7-1-2023	9-30-2023	0.4405	0.4405
5	10-1-2023	12-31-2023	0.4406	0.4406
6	1-1-2024	3-31-2024	0.3459	0.3459
		Highest	0.6009	0.6009

**2.2 Overall Operational**

**Baseline 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	0.1338	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.7000e-004	4.7000e-004	0.0000	0.0000	5.0000e-004
Energy	1.2400e-003	0.0113	9.4500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	45.0901	45.0901	3.0100e-003	5.6000e-004	45.3323
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	6.9727	0.0000	6.9727	0.4121	0.0000	17.2747
Water						0.0000	0.0000		0.0000	0.0000	0.2431	5.6505	5.8936	0.0254	6.5000e-004	6.7225
<b>Total</b>	<b>0.1350</b>	<b>0.0113</b>	<b>9.6900e-003</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>8.6000e-004</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>8.6000e-004</b>	<b>8.6000e-004</b>	<b>7.2158</b>	<b>50.7411</b>	<b>57.9569</b>	<b>0.4405</b>	<b>1.2100e-003</b>	<b>69.3300</b>



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

**Regulatory Compliance 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	0.1016	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.7000e-004	4.7000e-004	0.0000	0.0000	5.0000e-004
Energy	1.2400e-003	0.0113	9.4500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	45.0901	45.0901	3.0100e-003	5.6000e-004	45.3323
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	6.9727	0.0000	6.9727	0.4121	0.0000	17.2747
Water						0.0000	0.0000		0.0000	0.0000	0.2431	5.6505	5.8936	0.0254	6.5000e-004	6.7225
<b>Total</b>	<b>0.1028</b>	<b>0.0113</b>	<b>9.6900e-003</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>8.6000e-004</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>8.6000e-004</b>	<b>8.6000e-004</b>	<b>7.2158</b>	<b>50.7411</b>	<b>57.9569</b>	<b>0.4405</b>	<b>1.2100e-003</b>	<b>69.3300</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>23.84</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2022	12/30/2022	5	65	
2	Grading	Grading	3/1/2023	3/31/2023	5	23	
3	Building Construction	Building Construction	4/1/2023	2/29/2024	5	239	
4	Architectural Coating	Architectural Coating	1/31/2024	2/29/2024	5	22	

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

**Acres of Grading (Grading Phase): 23**

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 39,624; Non-Residential Outdoor: 13,208; Striped Parking Area: 0 (Architectural**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
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
Demolition	5	13.00	0.00	52.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	625.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	11.00	4.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

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

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2022**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.6200e-003	0.0000	5.6200e-003	8.5000e-004	0.0000	8.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0549	0.5402	0.4537	7.8000e-004		0.0272	0.0272		0.0254	0.0254	0.0000	68.5025	68.5025	0.0175	0.0000	68.9389
<b>Total</b>	<b>0.0549</b>	<b>0.5402</b>	<b>0.4537</b>	<b>7.8000e-004</b>	<b>5.6200e-003</b>	<b>0.0272</b>	<b>0.0329</b>	<b>8.5000e-004</b>	<b>0.0254</b>	<b>0.0263</b>	<b>0.0000</b>	<b>68.5025</b>	<b>68.5025</b>	<b>0.0175</b>	<b>0.0000</b>	<b>68.9389</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.0000e-005	3.5000e-003	7.5000e-004	1.0000e-005	4.5000e-004	4.0000e-005	4.9000e-004	1.2000e-004	4.0000e-005	1.6000e-004	0.0000	1.4472	1.4472	2.0000e-005	2.3000e-004	1.5156
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	1.2500e-003	9.2000e-004	0.0113	3.0000e-005	3.4800e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.7490	2.7490	9.0000e-005	8.0000e-005	2.7756
<b>Total</b>	<b>1.3300e-003</b>	<b>4.4200e-003</b>	<b>0.0121</b>	<b>4.0000e-005</b>	<b>3.9300e-003</b>	<b>6.0000e-005</b>	<b>3.9800e-003</b>	<b>1.0400e-003</b>	<b>6.0000e-005</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>4.1962</b>	<b>4.1962</b>	<b>1.1000e-004</b>	<b>3.1000e-004</b>	<b>4.2912</b>

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

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1500e-003	0.0000	2.1500e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0549	0.5402	0.4537	7.8000e-004		0.0272	0.0272		0.0254	0.0254	0.0000	68.5024	68.5024	0.0175	0.0000	68.9388
<b>Total</b>	<b>0.0549</b>	<b>0.5402</b>	<b>0.4537</b>	<b>7.8000e-004</b>	<b>2.1500e-003</b>	<b>0.0272</b>	<b>0.0294</b>	<b>3.3000e-004</b>	<b>0.0254</b>	<b>0.0258</b>	<b>0.0000</b>	<b>68.5024</b>	<b>68.5024</b>	<b>0.0175</b>	<b>0.0000</b>	<b>68.9388</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.0000e-005	3.5000e-003	7.5000e-004	1.0000e-005	4.5000e-004	4.0000e-005	4.9000e-004	1.2000e-004	4.0000e-005	1.6000e-004	0.0000	1.4472	1.4472	2.0000e-005	2.3000e-004	1.5156
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	1.2500e-003	9.2000e-004	0.0113	3.0000e-005	3.4800e-003	2.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.7490	2.7490	9.0000e-005	8.0000e-005	2.7756
<b>Total</b>	<b>1.3300e-003</b>	<b>4.4200e-003</b>	<b>0.0121</b>	<b>4.0000e-005</b>	<b>3.9300e-003</b>	<b>6.0000e-005</b>	<b>3.9800e-003</b>	<b>1.0400e-003</b>	<b>6.0000e-005</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>4.1962</b>	<b>4.1962</b>	<b>1.1000e-004</b>	<b>3.1000e-004</b>	<b>4.2912</b>

**3.3 Grading - 2023**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0818	0.0000	0.0818	0.0394	0.0000	0.0394	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.1664	0.1001	2.4000e-004		6.9500e-003	6.9500e-003		6.3900e-003	6.3900e-003	0.0000	20.8195	20.8195	6.7300e-003	0.0000	20.9878
<b>Total</b>	<b>0.0153</b>	<b>0.1664</b>	<b>0.1001</b>	<b>2.4000e-004</b>	<b>0.0818</b>	<b>6.9500e-003</b>	<b>0.0887</b>	<b>0.0394</b>	<b>6.3900e-003</b>	<b>0.0458</b>	<b>0.0000</b>	<b>20.8195</b>	<b>20.8195</b>	<b>6.7300e-003</b>	<b>0.0000</b>	<b>20.9878</b>

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.6000e-004	0.0329	8.6600e-003	1.7000e-004	5.3900e-003	3.8000e-004	5.7700e-003	1.4800e-003	3.6000e-004	1.8400e-003	0.0000	16.6463	16.6463	2.3000e-004	2.6200e-003	17.4339
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	3.2000e-004	2.2000e-004	2.8400e-003	1.0000e-005	9.5000e-004	0.0000	9.5000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.7243	0.7243	2.0000e-005	2.0000e-005	0.7310
<b>Total</b>	<b>9.8000e-004</b>	<b>0.0331</b>	<b>0.0115</b>	<b>1.8000e-004</b>	<b>6.3400e-003</b>	<b>3.8000e-004</b>	<b>6.7200e-003</b>	<b>1.7300e-003</b>	<b>3.6000e-004</b>	<b>2.1000e-003</b>	<b>0.0000</b>	<b>17.3706</b>	<b>17.3706</b>	<b>2.5000e-004</b>	<b>2.6400e-003</b>	<b>18.1648</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0313	0.0000	0.0313	0.0151	0.0000	0.0151	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.1664	0.1001	2.4000e-004		6.9500e-003	6.9500e-003		6.3900e-003	6.3900e-003	0.0000	20.8195	20.8195	6.7300e-003	0.0000	20.9878
<b>Total</b>	<b>0.0153</b>	<b>0.1664</b>	<b>0.1001</b>	<b>2.4000e-004</b>	<b>0.0313</b>	<b>6.9500e-003</b>	<b>0.0382</b>	<b>0.0151</b>	<b>6.3900e-003</b>	<b>0.0215</b>	<b>0.0000</b>	<b>20.8195</b>	<b>20.8195</b>	<b>6.7300e-003</b>	<b>0.0000</b>	<b>20.9878</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.6000e-004	0.0329	8.6600e-003	1.7000e-004	5.3900e-003	3.8000e-004	5.7700e-003	1.4800e-003	3.6000e-004	1.8400e-003	0.0000	16.6463	16.6463	2.3000e-004	2.6200e-003	17.4339
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	3.2000e-004	2.2000e-004	2.8400e-003	1.0000e-005	9.5000e-004	0.0000	9.5000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.7243	0.7243	2.0000e-005	2.0000e-005	0.7310
<b>Total</b>	<b>9.8000e-004</b>	<b>0.0331</b>	<b>0.0115</b>	<b>1.8000e-004</b>	<b>6.3400e-003</b>	<b>3.8000e-004</b>	<b>6.7200e-003</b>	<b>1.7300e-003</b>	<b>3.6000e-004</b>	<b>2.1000e-003</b>	<b>0.0000</b>	<b>17.3706</b>	<b>17.3706</b>	<b>2.5000e-004</b>	<b>2.6400e-003</b>	<b>18.1648</b>

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

**3.4 Building Construction - 2023**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1485	1.1418	1.2296	2.1500e-003		0.0502	0.0502		0.0484	0.0484	0.0000	177.0592	177.0592	0.0301	0.0000	177.8108
<b>Total</b>	<b>0.1485</b>	<b>1.1418</b>	<b>1.2296</b>	<b>2.1500e-003</b>		<b>0.0502</b>	<b>0.0502</b>		<b>0.0484</b>	<b>0.0484</b>	<b>0.0000</b>	<b>177.0592</b>	<b>177.0592</b>	<b>0.0301</b>	<b>0.0000</b>	<b>177.8108</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.9000e-004	0.0116	5.0800e-003	5.0000e-005	1.9300e-003	9.0000e-005	2.0200e-003	5.6000e-004	8.0000e-005	6.4000e-004	0.0000	5.2770	5.2770	6.0000e-005	7.8000e-004	5.5114
Worker	2.9500e-003	2.0600e-003	0.0265	7.0000e-005	8.8200e-003	4.0000e-005	8.8700e-003	2.3400e-003	4.0000e-005	2.3800e-003	0.0000	6.7545	6.7545	2.0000e-004	1.9000e-004	6.8169
<b>Total</b>	<b>3.3400e-003</b>	<b>0.0136</b>	<b>0.0316</b>	<b>1.2000e-004</b>	<b>0.0108</b>	<b>1.3000e-004</b>	<b>0.0109</b>	<b>2.9000e-003</b>	<b>1.2000e-004</b>	<b>3.0200e-003</b>	<b>0.0000</b>	<b>12.0316</b>	<b>12.0316</b>	<b>2.6000e-004</b>	<b>9.7000e-004</b>	<b>12.3283</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1485	1.1418	1.2296	2.1500e-003		0.0502	0.0502		0.0484	0.0484	0.0000	177.0589	177.0589	0.0301	0.0000	177.8106
<b>Total</b>	<b>0.1485</b>	<b>1.1418</b>	<b>1.2296</b>	<b>2.1500e-003</b>		<b>0.0502</b>	<b>0.0502</b>		<b>0.0484</b>	<b>0.0484</b>	<b>0.0000</b>	<b>177.0589</b>	<b>177.0589</b>	<b>0.0301</b>	<b>0.0000</b>	<b>177.8106</b>

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.9000e-004	0.0116	5.0800e-003	5.0000e-005	1.9300e-003	9.0000e-005	2.0200e-003	5.6000e-004	8.0000e-005	6.4000e-004	0.0000	5.2770	5.2770	6.0000e-005	7.8000e-004	5.5114
Worker	2.9500e-003	2.0600e-003	0.0265	7.0000e-005	8.8200e-003	4.0000e-005	8.8700e-003	2.3400e-003	4.0000e-005	2.3800e-003	0.0000	6.7545	6.7545	2.0000e-004	1.9000e-004	6.8169
<b>Total</b>	<b>3.3400e-003</b>	<b>0.0136</b>	<b>0.0316</b>	<b>1.2000e-004</b>	<b>0.0108</b>	<b>1.3000e-004</b>	<b>0.0109</b>	<b>2.9000e-003</b>	<b>1.2000e-004</b>	<b>3.0200e-003</b>	<b>0.0000</b>	<b>12.0316</b>	<b>12.0316</b>	<b>2.6000e-004</b>	<b>9.7000e-004</b>	<b>12.3283</b>

**3.4 Building Construction - 2024**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0312	0.2434	0.2754	4.9000e-004		9.9100e-003	9.9100e-003		9.5700e-003	9.5700e-003	0.0000	39.9545	39.9545	6.6500e-003	0.0000	40.1208
<b>Total</b>	<b>0.0312</b>	<b>0.2434</b>	<b>0.2754</b>	<b>4.9000e-004</b>		<b>9.9100e-003</b>	<b>9.9100e-003</b>		<b>9.5700e-003</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>39.9545</b>	<b>39.9545</b>	<b>6.6500e-003</b>	<b>0.0000</b>	<b>40.1208</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	2.6100e-003	1.1300e-003	1.0000e-005	4.4000e-004	2.0000e-005	4.6000e-004	1.3000e-004	2.0000e-005	1.4000e-004	0.0000	1.1724	1.1724	1.0000e-005	1.7000e-004	1.2244
Worker	6.2000e-004	4.1000e-004	5.6000e-003	2.0000e-005	1.9900e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4758	1.4758	4.0000e-005	4.0000e-005	1.4889
<b>Total</b>	<b>7.1000e-004</b>	<b>3.0200e-003</b>	<b>6.7300e-003</b>	<b>3.0000e-005</b>	<b>2.4300e-003</b>	<b>3.0000e-005</b>	<b>2.4600e-003</b>	<b>6.6000e-004</b>	<b>3.0000e-005</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>2.6482</b>	<b>2.6482</b>	<b>5.0000e-005</b>	<b>2.1000e-004</b>	<b>2.7133</b>

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

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0312	0.2434	0.2754	4.9000e-004		9.9100e-003	9.9100e-003		9.5700e-003	9.5700e-003	0.0000	39.9544	39.9544	6.6500e-003	0.0000	40.1208
<b>Total</b>	<b>0.0312</b>	<b>0.2434</b>	<b>0.2754</b>	<b>4.9000e-004</b>		<b>9.9100e-003</b>	<b>9.9100e-003</b>		<b>9.5700e-003</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>39.9544</b>	<b>39.9544</b>	<b>6.6500e-003</b>	<b>0.0000</b>	<b>40.1208</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	2.6100e-003	1.1300e-003	1.0000e-005	4.4000e-004	2.0000e-005	4.6000e-004	1.3000e-004	2.0000e-005	1.4000e-004	0.0000	1.1724	1.1724	1.0000e-005	1.7000e-004	1.2244
Worker	6.2000e-004	4.1000e-004	5.6000e-003	2.0000e-005	1.9900e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4758	1.4758	4.0000e-005	4.0000e-005	1.4889
<b>Total</b>	<b>7.1000e-004</b>	<b>3.0200e-003</b>	<b>6.7300e-003</b>	<b>3.0000e-005</b>	<b>2.4300e-003</b>	<b>3.0000e-005</b>	<b>2.4600e-003</b>	<b>6.6000e-004</b>	<b>3.0000e-005</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>2.6482</b>	<b>2.6482</b>	<b>5.0000e-005</b>	<b>2.1000e-004</b>	<b>2.7133</b>

**3.5 Architectural Coating - 2024**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0612					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125
<b>Total</b>	<b>0.0632</b>	<b>0.0134</b>	<b>0.0199</b>	<b>3.0000e-005</b>		<b>6.7000e-004</b>	<b>6.7000e-004</b>		<b>6.7000e-004</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>2.8086</b>	<b>2.8086</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>2.8125</b>



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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.1000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1342	0.1342	0.0000	0.0000	0.1354
<b>Total</b>	<b>6.0000e-005</b>	<b>4.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.1342</b>	<b>0.1342</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1354</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0612					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9900e-003	0.0134	0.0199	3.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	2.8086	2.8086	1.6000e-004	0.0000	2.8125
<b>Total</b>	<b>0.0632</b>	<b>0.0134</b>	<b>0.0199</b>	<b>3.0000e-005</b>		<b>6.7000e-004</b>	<b>6.7000e-004</b>		<b>6.7000e-004</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>2.8086</b>	<b>2.8086</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>2.8125</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	5.1000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1342	0.1342	0.0000	0.0000	0.1354
<b>Total</b>	<b>6.0000e-005</b>	<b>4.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.1342</b>	<b>0.1342</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1354</b>

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Regulatory Compliance	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Baseline	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Baseline	Regulatory Compliance
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

**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
Elementary School	12.50	4.20	5.40	65.00	30.00	5.00	63	25	12

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Regulatory Compliance						0.0000	0.0000		0.0000	0.0000	0.0000	32.8402	32.8402	2.7700e-003	3.4000e-004	33.0096
Electricity Baseline						0.0000	0.0000		0.0000	0.0000	0.0000	32.8402	32.8402	2.7700e-003	3.4000e-004	33.0096
NaturalGas Regulatory Compliance	1.2400e-003	0.0113	9.4500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	12.2499	12.2499	2.3000e-004	2.2000e-004	12.3227
NaturalGas Baseline	1.2400e-003	0.0113	9.4500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	12.2499	12.2499	2.3000e-004	2.2000e-004	12.3227

**5.2 Energy by Land Use - NaturalGas**

Baseline

	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					
Elementary School	229555	1.2400e-003	0.0113	9.4500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	12.2499	12.2499	2.3000e-004	2.2000e-004	12.3227
<b>Total</b>		<b>1.2400e-003</b>	<b>0.0113</b>	<b>9.4500e-003</b>	<b>7.0000e-005</b>		<b>8.6000e-004</b>	<b>8.6000e-004</b>		<b>8.6000e-004</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>12.2499</b>	<b>12.2499</b>	<b>2.3000e-004</b>	<b>2.2000e-004</b>	<b>12.3227</b>

Regulatory Compliance

	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					
Elementary School	229555	1.2400e-003	0.0113	9.4500e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	12.2499	12.2499	2.3000e-004	2.2000e-004	12.3227
<b>Total</b>		<b>1.2400e-003</b>	<b>0.0113</b>	<b>9.4500e-003</b>	<b>7.0000e-005</b>		<b>8.6000e-004</b>	<b>8.6000e-004</b>		<b>8.6000e-004</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>12.2499</b>	<b>12.2499</b>	<b>2.3000e-004</b>	<b>2.2000e-004</b>	<b>12.3227</b>

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

**5.3 Energy by Land Use - Electricity**

**Baseline**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	185176	32.8402	2.7700e-003	3.4000e-004	33.0096
<b>Total</b>		<b>32.8402</b>	<b>2.7700e-003</b>	<b>3.4000e-004</b>	<b>33.0096</b>

**Regulatory Compliance**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	185176	32.8402	2.7700e-003	3.4000e-004	33.0096
<b>Total</b>		<b>32.8402</b>	<b>2.7700e-003</b>	<b>3.4000e-004</b>	<b>33.0096</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Regulatory Compliance	0.1016	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.7000e-004	4.7000e-004	0.0000	0.0000	5.0000e-004
Baseline	0.1338	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.7000e-004	4.7000e-004	0.0000	0.0000	5.0000e-004

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

**6.2 Area by SubCategory**

**Baseline**

	ROG	NOx	CO	SO2	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	0.0306					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1032					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.7000e-004	4.7000e-004	0.0000	0.0000	5.0000e-004
<b>Total</b>	<b>0.1338</b>	<b>0.0000</b>	<b>2.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>4.7000e-004</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.0000e-004</b>

**Regulatory Compliance**

	ROG	NOx	CO	SO2	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	6.1200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0955					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.7000e-004	4.7000e-004	0.0000	0.0000	5.0000e-004
<b>Total</b>	<b>0.1016</b>	<b>0.0000</b>	<b>2.4000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>4.7000e-004</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.0000e-004</b>

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

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Regulatory Compliance	5.8936	0.0254	6.5000e-004	6.7225
Baseline	5.8936	0.0254	6.5000e-004	6.7225

**7.2 Water by Land Use**

**Baseline**

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use Mgal	MT/yr			
Elementary School 0.766099 / 1.96997	5.8936	0.0254	6.5000e-004	6.7225
<b>Total</b>	<b>5.8936</b>	<b>0.0254</b>	<b>6.5000e-004</b>	<b>6.7225</b>

**Regulatory Compliance**

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use Mgal	MT/yr			
Elementary School 0.766099 / 1.96997	5.8936	0.0254	6.5000e-004	6.7225
<b>Total</b>	<b>5.8936</b>	<b>0.0254</b>	<b>6.5000e-004</b>	<b>6.7225</b>

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

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Regulatory Compliance	6.9727	0.4121	0.0000	17.2747
Baseline	6.9727	0.4121	0.0000	17.2747

**8.2 Waste by Land Use**

Baseline

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	34.35	6.9727	0.4121	0.0000	17.2747
<b>Total</b>		<b>6.9727</b>	<b>0.4121</b>	<b>0.0000</b>	<b>17.2747</b>

Regulatory Compliance

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	34.35	6.9727	0.4121	0.0000	17.2747
<b>Total</b>		<b>6.9727</b>	<b>0.4121</b>	<b>0.0000</b>	<b>17.2747</b>

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

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

**Landau Construction - Phase 2-3**

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**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	26.76	1000sqft	2.60	26,758.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	390.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - Phase 2-3 construction area is approximately 2.6 acres.

Construction Phase - Construction schedule per Schematic Design Submittal (November 2021).

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Limited equipment for MPR renovation.

Off-road Equipment -

Demolition -

Architectural Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Vehicle Trips - Construction only.

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

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403 Fugitive Dust requirements.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Trips and VMT -

Area Coating -

Water And Wastewater -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	23.00
tblConstructionPhase	NumDays	220.00	238.00
tblConstructionPhase	NumDays	220.00	44.00
tblConstructionPhase	NumDays	20.00	66.00
tblLandUse	LandUseSquareFeet	26,760.00	26,758.00
tblLandUse	LotAcreage	0.61	2.60
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00



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

Quarter	Start Date	End Date	Maximum Baseline ROG + NOX (tons/quarter)	Maximum Regulatory Compliance ROG + NOX (tons/quarter)
1	5-1-2024	7-31-2024	0.5109	0.5109
2	8-1-2024	10-31-2024	0.4794	0.4794
3	11-1-2024	1-31-2025	0.4694	0.4694
4	2-1-2025	4-30-2025	0.4348	0.4348
5	5-1-2025	7-31-2025	0.4555	0.4555
		Highest	0.5109	0.5109

**2.2 Overall Operational  
Baseline 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	0.1355	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.1000e-004
Energy	1.2500e-003	0.0114	9.5700e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	45.6739	45.6739	3.0500e-003	5.7000e-004	45.9192
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	7.0621	0.0000	7.0621	0.4174	0.0000	17.4959
Water						0.0000	0.0000		0.0000	0.0000	0.2462	5.7233	5.9694	0.0258	6.6000e-004	6.8090
<b>Total</b>	<b>0.1368</b>	<b>0.0114</b>	<b>9.8200e-003</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>8.7000e-004</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>8.7000e-004</b>	<b>8.7000e-004</b>	<b>7.3082</b>	<b>51.3976</b>	<b>58.7058</b>	<b>0.4462</b>	<b>1.2300e-003</b>	<b>70.2246</b>

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

**Regulatory Compliance 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	0.1029	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.1000e-004
Energy	1.2500e-003	0.0114	9.5700e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	45.6739	45.6739	3.0500e-003	5.7000e-004	45.9192
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	7.0621	0.0000	7.0621	0.4174	0.0000	17.4959
Water						0.0000	0.0000		0.0000	0.0000	0.2462	5.7233	5.9694	0.0258	6.6000e-004	6.8090
<b>Total</b>	<b>0.1042</b>	<b>0.0114</b>	<b>9.8200e-003</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>8.7000e-004</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>8.7000e-004</b>	<b>8.7000e-004</b>	<b>7.3082</b>	<b>51.3976</b>	<b>58.7058</b>	<b>0.4462</b>	<b>1.2300e-003</b>	<b>70.2246</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	23.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2024	7/31/2024	5	66	1
2	Building Construction	Building Construction	8/1/2024	6/30/2025	5	238	2
3	MPR Renovation	Building Construction	6/1/2025	7/31/2025	5	44	3
4	Architectural Coating	Architectural Coating	7/1/2025	7/31/2025	5	23	5
5	Paving	Paving	7/18/2025	7/31/2025	5	10	4

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 40,137; Non-Residential Outdoor: 13,379; Striped Parking Area: 0 (Architectural OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
MPR Renovation	Air Compressors	1	8.00	78	0.48
MPR Renovation	Cranes	0	0.00	231	0.29
MPR Renovation	Forklifts	0	0.00	89	0.20
MPR Renovation	Generator Sets	0	0.00	84	0.74
MPR Renovation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
MPR Renovation	Welders	0	0.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	106.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	11.00	4.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
MPR Renovation	1	11.00	4.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	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

**3.1 Mitigation Measures Construction**

- Use Soil Stabilizer
- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2024**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0115	0.0000	0.0115	1.7500e-003	0.0000	1.7500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0475	0.4583	0.4451	8.0000e-004		0.0208	0.0208		0.0195	0.0195	0.0000	69.6021	69.6021	0.0176	0.0000	70.0425
<b>Total</b>	<b>0.0475</b>	<b>0.4583</b>	<b>0.4451</b>	<b>8.0000e-004</b>	<b>0.0115</b>	<b>0.0208</b>	<b>0.0324</b>	<b>1.7500e-003</b>	<b>0.0195</b>	<b>0.0212</b>	<b>0.0000</b>	<b>69.6021</b>	<b>69.6021</b>	<b>0.0176</b>	<b>0.0000</b>	<b>70.0425</b>

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1000e-004	5.6000e-003	1.4800e-003	3.0000e-005	9.1000e-004	6.0000e-005	9.8000e-004	2.5000e-004	6.0000e-005	3.1000e-004	0.0000	2.7771	2.7771	4.0000e-005	4.4000e-004	2.9086
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	1.1000e-003	7.3000e-004	9.9200e-003	3.0000e-005	3.5300e-003	2.0000e-005	3.5500e-003	9.4000e-004	2.0000e-005	9.5000e-004	0.0000	2.6163	2.6163	7.0000e-005	7.0000e-005	2.6394
<b>Total</b>	<b>1.2100e-003</b>	<b>6.3300e-003</b>	<b>0.0114</b>	<b>6.0000e-005</b>	<b>4.4400e-003</b>	<b>8.0000e-005</b>	<b>4.5300e-003</b>	<b>1.1900e-003</b>	<b>8.0000e-005</b>	<b>1.2600e-003</b>	<b>0.0000</b>	<b>5.3934</b>	<b>5.3934</b>	<b>1.1000e-004</b>	<b>5.1000e-004</b>	<b>5.5480</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.4100e-003	0.0000	4.4100e-003	6.7000e-004	0.0000	6.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0475	0.4583	0.4451	8.0000e-004		0.0208	0.0208		0.0195	0.0195	0.0000	69.6021	69.6021	0.0176	0.0000	70.0424
<b>Total</b>	<b>0.0475</b>	<b>0.4583</b>	<b>0.4451</b>	<b>8.0000e-004</b>	<b>4.4100e-003</b>	<b>0.0208</b>	<b>0.0252</b>	<b>6.7000e-004</b>	<b>0.0195</b>	<b>0.0201</b>	<b>0.0000</b>	<b>69.6021</b>	<b>69.6021</b>	<b>0.0176</b>	<b>0.0000</b>	<b>70.0424</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1000e-004	5.6000e-003	1.4800e-003	3.0000e-005	9.1000e-004	6.0000e-005	9.8000e-004	2.5000e-004	6.0000e-005	3.1000e-004	0.0000	2.7771	2.7771	4.0000e-005	4.4000e-004	2.9086
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	1.1000e-003	7.3000e-004	9.9200e-003	3.0000e-005	3.5300e-003	2.0000e-005	3.5500e-003	9.4000e-004	2.0000e-005	9.5000e-004	0.0000	2.6163	2.6163	7.0000e-005	7.0000e-005	2.6394
<b>Total</b>	<b>1.2100e-003</b>	<b>6.3300e-003</b>	<b>0.0114</b>	<b>6.0000e-005</b>	<b>4.4400e-003</b>	<b>8.0000e-005</b>	<b>4.5300e-003</b>	<b>1.1900e-003</b>	<b>8.0000e-005</b>	<b>1.2600e-003</b>	<b>0.0000</b>	<b>5.3934</b>	<b>5.3934</b>	<b>1.1000e-004</b>	<b>5.1000e-004</b>	<b>5.5480</b>



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

**3.3 Building Construction - 2024**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0870	0.6989	0.7685	1.3600e-003		0.0293	0.0293		0.0281	0.0281	0.0000	113.2041	113.2041	0.0211	0.0000	113.7312
<b>Total</b>	<b>0.0870</b>	<b>0.6989</b>	<b>0.7685</b>	<b>1.3600e-003</b>		<b>0.0293</b>	<b>0.0293</b>		<b>0.0281</b>	<b>0.0281</b>	<b>0.0000</b>	<b>113.2041</b>	<b>113.2041</b>	<b>0.0211</b>	<b>0.0000</b>	<b>113.7312</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.2000e-004	6.4600e-003	2.8100e-003	3.0000e-005	1.0800e-003	5.0000e-005	1.1300e-003	3.1000e-004	5.0000e-005	3.6000e-004	0.0000	2.9043	2.9043	3.0000e-005	4.3000e-004	3.0331
Worker	1.5300e-003	1.0300e-003	0.0139	4.0000e-005	4.9300e-003	2.0000e-005	4.9600e-003	1.3100e-003	2.0000e-005	1.3300e-003	0.0000	3.6560	3.6560	1.0000e-004	1.0000e-004	3.6884
<b>Total</b>	<b>1.7500e-003</b>	<b>7.4900e-003</b>	<b>0.0167</b>	<b>7.0000e-005</b>	<b>6.0100e-003</b>	<b>7.0000e-005</b>	<b>6.0900e-003</b>	<b>1.6200e-003</b>	<b>7.0000e-005</b>	<b>1.6900e-003</b>	<b>0.0000</b>	<b>6.5603</b>	<b>6.5603</b>	<b>1.3000e-004</b>	<b>5.3000e-004</b>	<b>6.7215</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0870	0.6989	0.7685	1.3600e-003		0.0293	0.0293		0.0281	0.0281	0.0000	113.2040	113.2040	0.0211	0.0000	113.7311
<b>Total</b>	<b>0.0870</b>	<b>0.6989</b>	<b>0.7685</b>	<b>1.3600e-003</b>		<b>0.0293</b>	<b>0.0293</b>		<b>0.0281</b>	<b>0.0281</b>	<b>0.0000</b>	<b>113.2040</b>	<b>113.2040</b>	<b>0.0211</b>	<b>0.0000</b>	<b>113.7311</b>

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.2000e-004	6.4600e-003	2.8100e-003	3.0000e-005	1.0800e-003	5.0000e-005	1.1300e-003	3.1000e-004	5.0000e-005	3.6000e-004	0.0000	2.9043	2.9043	3.0000e-005	4.3000e-004	3.0331
Worker	1.5300e-003	1.0300e-003	0.0139	4.0000e-005	4.9300e-003	2.0000e-005	4.9600e-003	1.3100e-003	2.0000e-005	1.3300e-003	0.0000	3.6560	3.6560	1.0000e-004	1.0000e-004	3.6884
<b>Total</b>	<b>1.7500e-003</b>	<b>7.4900e-003</b>	<b>0.0167</b>	<b>7.0000e-005</b>	<b>6.0100e-003</b>	<b>7.0000e-005</b>	<b>6.0900e-003</b>	<b>1.6200e-003</b>	<b>7.0000e-005</b>	<b>1.6900e-003</b>	<b>0.0000</b>	<b>6.5603</b>	<b>6.5603</b>	<b>1.3000e-004</b>	<b>5.3000e-004</b>	<b>6.7215</b>

**3.3 Building Construction - 2025**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0961	0.7755	0.9035	1.6100e-003		0.0303	0.0303		0.0290	0.0290	0.0000	133.9893	133.9893	0.0246	0.0000	134.6036
<b>Total</b>	<b>0.0961</b>	<b>0.7755</b>	<b>0.9035</b>	<b>1.6100e-003</b>		<b>0.0303</b>	<b>0.0303</b>		<b>0.0290</b>	<b>0.0290</b>	<b>0.0000</b>	<b>133.9893</b>	<b>133.9893</b>	<b>0.0246</b>	<b>0.0000</b>	<b>134.6036</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.5000e-004	7.5800e-003	3.2900e-003	4.0000e-005	1.2800e-003	6.0000e-005	1.3300e-003	3.7000e-004	6.0000e-005	4.2000e-004	0.0000	3.3766	3.3766	4.0000e-005	5.0000e-004	3.5261
Worker	1.7000e-003	1.0900e-003	0.0153	5.0000e-005	5.8400e-003	3.0000e-005	5.8600e-003	1.5500e-003	2.0000e-005	1.5700e-003	0.0000	4.1801	4.1801	1.1000e-004	1.1000e-004	4.2159
<b>Total</b>	<b>1.9500e-003</b>	<b>8.6700e-003</b>	<b>0.0186</b>	<b>9.0000e-005</b>	<b>7.1200e-003</b>	<b>9.0000e-005</b>	<b>7.1900e-003</b>	<b>1.9200e-003</b>	<b>8.0000e-005</b>	<b>1.9900e-003</b>	<b>0.0000</b>	<b>7.5567</b>	<b>7.5567</b>	<b>1.5000e-004</b>	<b>6.1000e-004</b>	<b>7.7420</b>

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

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0961	0.7755	0.9035	1.6100e-003		0.0303	0.0303		0.0290	0.0290	0.0000	133.9891	133.9891	0.0246	0.0000	134.6034
<b>Total</b>	<b>0.0961</b>	<b>0.7755</b>	<b>0.9035</b>	<b>1.6100e-003</b>		<b>0.0303</b>	<b>0.0303</b>		<b>0.0290</b>	<b>0.0290</b>	<b>0.0000</b>	<b>133.9891</b>	<b>133.9891</b>	<b>0.0246</b>	<b>0.0000</b>	<b>134.6034</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.5000e-004	7.5800e-003	3.2900e-003	4.0000e-005	1.2800e-003	6.0000e-005	1.3300e-003	3.7000e-004	6.0000e-005	4.2000e-004	0.0000	3.3766	3.3766	4.0000e-005	5.0000e-004	3.5261
Worker	1.7000e-003	1.0900e-003	0.0153	5.0000e-005	5.8400e-003	3.0000e-005	5.8600e-003	1.5500e-003	2.0000e-005	1.5700e-003	0.0000	4.1801	4.1801	1.1000e-004	1.1000e-004	4.2159
<b>Total</b>	<b>1.9500e-003</b>	<b>8.6700e-003</b>	<b>0.0186</b>	<b>9.0000e-005</b>	<b>7.1200e-003</b>	<b>9.0000e-005</b>	<b>7.1900e-003</b>	<b>1.9200e-003</b>	<b>8.0000e-005</b>	<b>1.9900e-003</b>	<b>0.0000</b>	<b>7.5567</b>	<b>7.5567</b>	<b>1.5000e-004</b>	<b>6.1000e-004</b>	<b>7.7420</b>

**3.4 MPR Renovation - 2025**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.0100e-003	0.0336	0.0531	9.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	7.4895	7.4895	4.1000e-004	0.0000	7.4998
<b>Total</b>	<b>5.0100e-003</b>	<b>0.0336</b>	<b>0.0531</b>	<b>9.0000e-005</b>		<b>1.5100e-003</b>	<b>1.5100e-003</b>		<b>1.5100e-003</b>	<b>1.5100e-003</b>	<b>0.0000</b>	<b>7.4895</b>	<b>7.4895</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>7.4998</b>

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	2.5900e-003	1.1200e-003	1.0000e-005	4.4000e-004	2.0000e-005	4.6000e-004	1.3000e-004	2.0000e-005	1.4000e-004	0.0000	1.1517	1.1517	1.0000e-005	1.7000e-004	1.2027
Worker	5.8000e-004	3.7000e-004	5.2200e-003	2.0000e-005	1.9900e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4258	1.4258	4.0000e-005	4.0000e-005	1.4380
<b>Total</b>	<b>6.7000e-004</b>	<b>2.9600e-003</b>	<b>6.3400e-003</b>	<b>3.0000e-005</b>	<b>2.4300e-003</b>	<b>3.0000e-005</b>	<b>2.4600e-003</b>	<b>6.6000e-004</b>	<b>3.0000e-005</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>2.5775</b>	<b>2.5775</b>	<b>5.0000e-005</b>	<b>2.1000e-004</b>	<b>2.6407</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.0100e-003	0.0336	0.0531	9.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	7.4895	7.4895	4.1000e-004	0.0000	7.4998
<b>Total</b>	<b>5.0100e-003</b>	<b>0.0336</b>	<b>0.0531</b>	<b>9.0000e-005</b>		<b>1.5100e-003</b>	<b>1.5100e-003</b>		<b>1.5100e-003</b>	<b>1.5100e-003</b>	<b>0.0000</b>	<b>7.4895</b>	<b>7.4895</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>7.4998</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	2.5900e-003	1.1200e-003	1.0000e-005	4.4000e-004	2.0000e-005	4.6000e-004	1.3000e-004	2.0000e-005	1.4000e-004	0.0000	1.1517	1.1517	1.0000e-005	1.7000e-004	1.2027
Worker	5.8000e-004	3.7000e-004	5.2200e-003	2.0000e-005	1.9900e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4258	1.4258	4.0000e-005	4.0000e-005	1.4380
<b>Total</b>	<b>6.7000e-004</b>	<b>2.9600e-003</b>	<b>6.3400e-003</b>	<b>3.0000e-005</b>	<b>2.4300e-003</b>	<b>3.0000e-005</b>	<b>2.4600e-003</b>	<b>6.6000e-004</b>	<b>3.0000e-005</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>2.5775</b>	<b>2.5775</b>	<b>5.0000e-005</b>	<b>2.1000e-004</b>	<b>2.6407</b>

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

**3.5 Architectural Coating - 2025**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0620					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	0.0132	0.0208	3.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	2.9362	2.9362	1.6000e-004	0.0000	2.9403
<b>Total</b>	<b>0.0640</b>	<b>0.0132</b>	<b>0.0208</b>	<b>3.0000e-005</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>2.9362</b>	<b>2.9362</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>2.9403</b>

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0000e-005	4.0000e-005	5.0000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1355	0.1355	0.0000	0.0000	0.1367
<b>Total</b>	<b>5.0000e-005</b>	<b>4.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.1355</b>	<b>0.1355</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1367</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0620					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	0.0132	0.0208	3.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	2.9362	2.9362	1.6000e-004	0.0000	2.9402
<b>Total</b>	<b>0.0640</b>	<b>0.0132</b>	<b>0.0208</b>	<b>3.0000e-005</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>		<b>5.9000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>2.9362</b>	<b>2.9362</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>2.9402</b>

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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0000e-005	4.0000e-005	5.0000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1355	0.1355	0.0000	0.0000	0.1367
<b>Total</b>	<b>5.0000e-005</b>	<b>4.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.1355</b>	<b>0.1355</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1367</b>

**3.6 Paving - 2025**

**Baseline Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9300e-003	0.0372	0.0584	9.0000e-005		1.7500e-003	1.7500e-003		1.6200e-003	1.6200e-003	0.0000	7.7565	7.7565	2.4600e-003	0.0000	7.8179
Paving	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>3.9300e-003</b>	<b>0.0372</b>	<b>0.0584</b>	<b>9.0000e-005</b>		<b>1.7500e-003</b>	<b>1.7500e-003</b>		<b>1.6200e-003</b>	<b>1.6200e-003</b>	<b>0.0000</b>	<b>7.7565</b>	<b>7.7565</b>	<b>2.4600e-003</b>	<b>0.0000</b>	<b>7.8179</b>

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

**Baseline Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.8000e-004	1.2000e-004	1.6200e-003	0.0000	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4419	0.4419	1.0000e-005	1.0000e-005	0.4457
<b>Total</b>	<b>1.8000e-004</b>	<b>1.2000e-004</b>	<b>1.6200e-003</b>	<b>0.0000</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>6.2000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.4419</b>	<b>0.4419</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4457</b>

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9300e-003	0.0372	0.0584	9.0000e-005		1.7500e-003	1.7500e-003		1.6200e-003	1.6200e-003	0.0000	7.7565	7.7565	2.4600e-003	0.0000	7.8179
Paving	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>3.9300e-003</b>	<b>0.0372</b>	<b>0.0584</b>	<b>9.0000e-005</b>		<b>1.7500e-003</b>	<b>1.7500e-003</b>		<b>1.6200e-003</b>	<b>1.6200e-003</b>	<b>0.0000</b>	<b>7.7565</b>	<b>7.7565</b>	<b>2.4600e-003</b>	<b>0.0000</b>	<b>7.8179</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.8000e-004	1.2000e-004	1.6200e-003	0.0000	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4419	0.4419	1.0000e-005	1.0000e-005	0.4457
<b>Total</b>	<b>1.8000e-004</b>	<b>1.2000e-004</b>	<b>1.6200e-003</b>	<b>0.0000</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>6.2000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.4419</b>	<b>0.4419</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4457</b>

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Regulatory Compliance	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Baseline	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Baseline	Regulatory Compliance
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

**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
Elementary School	12.50	4.20	5.40	65.00	30.00	5.00	63	25	12

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932



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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Regulatory Compliance						0.0000	0.0000		0.0000	0.0000	0.0000	33.2653	33.2653	2.8100e-003	3.4000e-004	33.4370
Electricity Baseline						0.0000	0.0000		0.0000	0.0000	0.0000	33.2653	33.2653	2.8100e-003	3.4000e-004	33.4370
NaturalGas Regulatory Compliance	1.2500e-003	0.0114	9.5700e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.4085	12.4085	2.4000e-004	2.3000e-004	12.4823
NaturalGas Baseline	1.2500e-003	0.0114	9.5700e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.4085	12.4085	2.4000e-004	2.3000e-004	12.4823

**5.2 Energy by Land Use - NaturalGas**

**Baseline**

	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					
Elementary School	232527	1.2500e-003	0.0114	9.5700e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.4085	12.4085	2.4000e-004	2.3000e-004	12.4823
<b>Total</b>		<b>1.2500e-003</b>	<b>0.0114</b>	<b>9.5700e-003</b>	<b>7.0000e-005</b>		<b>8.7000e-004</b>	<b>8.7000e-004</b>		<b>8.7000e-004</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>12.4085</b>	<b>12.4085</b>	<b>2.4000e-004</b>	<b>2.3000e-004</b>	<b>12.4823</b>

**Regulatory Compliance**

	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					
Elementary School	232527	1.2500e-003	0.0114	9.5700e-003	7.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	12.4085	12.4085	2.4000e-004	2.3000e-004	12.4823
<b>Total</b>		<b>1.2500e-003</b>	<b>0.0114</b>	<b>9.5700e-003</b>	<b>7.0000e-005</b>		<b>8.7000e-004</b>	<b>8.7000e-004</b>		<b>8.7000e-004</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>12.4085</b>	<b>12.4085</b>	<b>2.4000e-004</b>	<b>2.3000e-004</b>	<b>12.4823</b>

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

**5.3 Energy by Land Use - Electricity**

**Baseline**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	187574	33.2653	2.8100e-003	3.4000e-004	33.4370
<b>Total</b>		<b>33.2653</b>	<b>2.8100e-003</b>	<b>3.4000e-004</b>	<b>33.4370</b>

**Regulatory Compliance**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	187574	33.2653	2.8100e-003	3.4000e-004	33.4370
<b>Total</b>		<b>33.2653</b>	<b>2.8100e-003</b>	<b>3.4000e-004</b>	<b>33.4370</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Regulatory Compliance	0.1029	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.1000e-004
Baseline	0.1355	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.1000e-004

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

**6.2 Area by SubCategory**

**Baseline**

	ROG	NOx	CO	SO2	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	0.0310					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1045					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.1000e-004
<b>Total</b>	<b>0.1355</b>	<b>0.0000</b>	<b>2.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>4.8000e-004</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.1000e-004</b>

**Regulatory Compliance**

	ROG	NOx	CO	SO2	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	6.2000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0967					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.1000e-004
<b>Total</b>	<b>0.1029</b>	<b>0.0000</b>	<b>2.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>4.8000e-004</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.1000e-004</b>

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

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Regulatory Compliance	5.9694	0.0258	6.6000e-004	6.8090
Baseline	5.9694	0.0258	6.6000e-004	6.8090

**7.2 Water by Land Use**

**Baseline**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.775957 / 1.99532	5.9694	0.0258	6.6000e-004	6.8090
<b>Total</b>		<b>5.9694</b>	<b>0.0258</b>	<b>6.6000e-004</b>	<b>6.8090</b>

**Regulatory Compliance**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	0.775957 / 1.99532	5.9694	0.0258	6.6000e-004	6.8090
<b>Total</b>		<b>5.9694</b>	<b>0.0258</b>	<b>6.6000e-004</b>	<b>6.8090</b>

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

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Regulatory Compliance	7.0621	0.4174	0.0000	17.4959
Baseline	7.0621	0.4174	0.0000	17.4959

**8.2 Waste by Land Use**

Baseline

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	34.79	7.0621	0.4174	0.0000	17.4959
<b>Total</b>		<b>7.0621</b>	<b>0.4174</b>	<b>0.0000</b>	<b>17.4959</b>

Regulatory Compliance

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	34.79	7.0621	0.4174	0.0000	17.4959
<b>Total</b>		<b>7.0621</b>	<b>0.4174</b>	<b>0.0000</b>	<b>17.4959</b>

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

**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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**APPENDIX E.2**

**Operations**

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Annual

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

**Landau Operation - Existing to be Removed**

**Riverside-Salton Sea County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	40.77	1000sqft	10.65	40,772.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	390.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - Project site is 10.65 acres.

Construction Phase - Operation only.

Vehicle Trips - Student capacity is 1,168. Assumed 4,801 daily trips (4.11 trips per student per ITE Trip Generation Manual).

Area Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Energy Use -

Water And Wastewater -

Solid Waste -

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.





Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Annual

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

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

Quarter	Start Date	End Date	Maximum Baseline ROG + NOX (tons/quarter)	Maximum Regulatory Compliance ROG + NOX (tons/quarter)
		Highest		

**2.2 Overall Operational**

**Baseline 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	0.1687	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.8000e-004
Energy	2.1600e-003	0.0197	0.0165	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	91.1859	91.1859	6.3000e-003	1.1100e-003	91.6731
Mobile	1.6015	2.5729	14.7757	0.0322	3.1635	0.0320	3.1954	0.8453	0.0300	0.8754	0.0000	2,973.8378	2,973.8378	0.1778	0.1621	3,026.5975
Waste						0.0000	0.0000		0.0000	0.0000	10.7585	0.0000	10.7585	0.6358	0.0000	26.6538
Water						0.0000	0.0000		0.0000	0.0000	0.3751	8.7196	9.0947	0.0393	1.0000e-003	10.3738
<b>Total</b>	<b>1.7724</b>	<b>2.5925</b>	<b>14.7926</b>	<b>0.0323</b>	<b>3.1635</b>	<b>0.0335</b>	<b>3.1969</b>	<b>0.8453</b>	<b>0.0315</b>	<b>0.8769</b>	<b>11.1336</b>	<b>3,073.7440</b>	<b>3,084.8776</b>	<b>0.8592</b>	<b>0.1642</b>	<b>3,155.2989</b>

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Annual

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

**Regulatory Compliance 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	0.1568	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.8000e-004
Energy	2.1600e-003	0.0197	0.0165	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	91.1859	91.1859	6.3000e-003	1.1100e-003	91.6731
Mobile	1.6015	2.5729	14.7757	0.0322	3.1635	0.0320	3.1954	0.8453	0.0300	0.8754	0.0000	2,973.8378	2,973.8378	0.1778	0.1621	3,026.5975
Waste						0.0000	0.0000		0.0000	0.0000	10.7585	0.0000	10.7585	0.6358	0.0000	26.6538
Water						0.0000	0.0000		0.0000	0.0000	0.3751	8.7196	9.0947	0.0393	1.0000e-003	10.3738
<b>Total</b>	<b>1.7605</b>	<b>2.5925</b>	<b>14.7926</b>	<b>0.0323</b>	<b>3.1635</b>	<b>0.0335</b>	<b>3.1969</b>	<b>0.8453</b>	<b>0.0315</b>	<b>0.8769</b>	<b>11.1336</b>	<b>3,073.7440</b>	<b>3,084.8776</b>	<b>0.8592</b>	<b>0.1642</b>	<b>3,155.2989</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/18/2022	2/17/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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



Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Annual

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

**Regulatory Compliance Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Regulatory Compliance	1.6015	2.5729	14.7757	0.0322	3.1635	0.0320	3.1954	0.8453	0.0300	0.8754	0.0000	2,973.8378	2,973.8378	0.1778	0.1621	3,026.5975
Baseline	1.6015	2.5729	14.7757	0.0322	3.1635	0.0320	3.1954	0.8453	0.0300	0.8754	0.0000	2,973.8378	2,973.8378	0.1778	0.1621	3,026.5975

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Annual

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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Baseline	Regulatory Compliance
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	4,800.75	0.00	0.00	8,360,518	8,360,518
<b>Total</b>	<b>4,800.75</b>	<b>0.00</b>	<b>0.00</b>	<b>8,360,518</b>	<b>8,360,518</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
Elementary School	12.50	4.20	5.40	65.00	30.00	5.00	63	25	12

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.531022	0.055789	0.171983	0.143721	0.027315	0.007422	0.011813	0.018850	0.000630	0.000321	0.024273	0.001102	0.005759

**5.0 Energy Detail**

Historical Energy Use: Y

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Regulatory Compliance						0.0000	0.0000		0.0000	0.0000	0.0000	69.7766	69.7766	5.8900e-003	7.1000e-004	70.1365
Electricity Baseline						0.0000	0.0000		0.0000	0.0000	0.0000	69.7766	69.7766	5.8900e-003	7.1000e-004	70.1365
NaturalGas Regulatory Compliance	2.1600e-003	0.0197	0.0165	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	21.4094	21.4094	4.1000e-004	3.9000e-004	21.5366
NaturalGas Baseline	2.1600e-003	0.0197	0.0165	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	21.4094	21.4094	4.1000e-004	3.9000e-004	21.5366

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Annual

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

**5.2 Energy by Land Use - NaturalGas**

**Baseline**

	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					
Elementary School	401196	2.1600e-003	0.0197	0.0165	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	21.4094	21.4094	4.1000e-004	3.9000e-004	21.5366
<b>Total</b>		<b>2.1600e-003</b>	<b>0.0197</b>	<b>0.0165</b>	<b>1.2000e-004</b>		<b>1.4900e-003</b>	<b>1.4900e-003</b>		<b>1.4900e-003</b>	<b>1.4900e-003</b>	<b>0.0000</b>	<b>21.4094</b>	<b>21.4094</b>	<b>4.1000e-004</b>	<b>3.9000e-004</b>	<b>21.5366</b>

**Regulatory Compliance**

	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					
Elementary School	401196	2.1600e-003	0.0197	0.0165	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	21.4094	21.4094	4.1000e-004	3.9000e-004	21.5366
<b>Total</b>		<b>2.1600e-003</b>	<b>0.0197</b>	<b>0.0165</b>	<b>1.2000e-004</b>		<b>1.4900e-003</b>	<b>1.4900e-003</b>		<b>1.4900e-003</b>	<b>1.4900e-003</b>	<b>0.0000</b>	<b>21.4094</b>	<b>21.4094</b>	<b>4.1000e-004</b>	<b>3.9000e-004</b>	<b>21.5366</b>

**5.3 Energy by Land Use - Electricity**

**Baseline**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	393450	69.7766	5.8900e-003	7.1000e-004	70.1365
<b>Total</b>		<b>69.7766</b>	<b>5.8900e-003</b>	<b>7.1000e-004</b>	<b>70.1365</b>

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Annual

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

**Regulatory Compliance**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	393450	69.7766	5.8900e-003	7.1000e-004	70.1365
<b>Total</b>		<b>69.7766</b>	<b>5.8900e-003</b>	<b>7.1000e-004</b>	<b>70.1365</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Regulatory Compliance	0.1568	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.8000e-004
Baseline	0.1687	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.8000e-004



Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Annual

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

**6.2 Area by SubCategory**

**Baseline**

	ROG	NOx	CO	SO2	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	9.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1592					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.8000e-004
<b>Total</b>	<b>0.1687</b>	<b>0.0000</b>	<b>3.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.3000e-004</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.8000e-004</b>

**Regulatory Compliance**

	ROG	NOx	CO	SO2	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	9.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1473					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.3000e-004	7.3000e-004	0.0000	0.0000	7.8000e-004
<b>Total</b>	<b>0.1568</b>	<b>0.0000</b>	<b>3.8000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.3000e-004</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.8000e-004</b>

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Annual

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

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Regulatory Compliance	9.0947	0.0393	1.0000e-003	10.3738
Baseline	9.0947	0.0393	1.0000e-003	10.3738

**7.2 Water by Land Use**

Baseline

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.1822 / 3.03995	9.0947	0.0393	1.0000e-003	10.3738
<b>Total</b>		<b>9.0947</b>	<b>0.0393</b>	<b>1.0000e-003</b>	<b>10.3738</b>

Regulatory Compliance

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.1822 / 3.03995	9.0947	0.0393	1.0000e-003	10.3738
<b>Total</b>		<b>9.0947</b>	<b>0.0393</b>	<b>1.0000e-003</b>	<b>10.3738</b>

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Annual

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

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Regulatory Compliance	10.7585	0.6358	0.0000	26.6538
Baseline	10.7585	0.6358	0.0000	26.6538

**8.2 Waste by Land Use**

Baseline

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	53	10.7585	0.6358	0.0000	26.6538
<b>Total</b>		<b>10.7585</b>	<b>0.6358</b>	<b>0.0000</b>	<b>26.6538</b>

Regulatory Compliance

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	53	10.7585	0.6358	0.0000	26.6538
<b>Total</b>		<b>10.7585</b>	<b>0.6358</b>	<b>0.0000</b>	<b>26.6538</b>

Landau Operation - Existing to be Removed - Riverside-Salton Sea County, Annual

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

**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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Landau Operation - Proposed Uses - Riverside-Salton Sea County, Annual

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

**Landau Operation - Proposed Uses  
Riverside-Salton Sea County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	59.58	1000sqft	10.65	59,584.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	390.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - Project site is 10.65 acres.

Construction Phase - Operation only.

Vehicle Trips - Student capacity is 1,168. Assumed 4,801 daily trips (4.11 trips per student per ITE Trip Generation Manual).

Area Coating - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Area Mitigation - Consistent with SCAQMD Rule 1113 assumed VOC content of 50 grams per liter for architectural coatings.

Water Mitigation -



Landau Operation - Proposed Uses - Riverside-Salton Sea County, Annual

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

Quarter	Start Date	End Date	Maximum Baseline ROG + NOX (tons/quarter)	Maximum Regulatory Compliance ROG + NOX (tons/quarter)
		Highest		

**2.2 Overall Operational  
Baseline 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	0.2466	0.0000	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003
Energy	2.7900e-003	0.0254	0.0213	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	101.7054	101.7054	6.7800e-003	1.2600e-003	102.2517
Mobile	1.3229	1.8550	12.2379	0.0282	3.1610	0.0228	3.1837	0.8443	0.0213	0.8656	0.0000	2,603.6984	2,603.6984	0.1463	0.1359	2,647.8572
Waste						0.0000	0.0000		0.0000	0.0000	15.7217	0.0000	15.7217	0.9291	0.0000	38.9497
Water						0.0000	0.0000		0.0000	0.0000	0.5481	12.7426	13.2907	0.0574	1.4600e-003	15.1599
<b>Total</b>	<b>1.5723</b>	<b>1.8804</b>	<b>12.2598</b>	<b>0.0283</b>	<b>3.1610</b>	<b>0.0247</b>	<b>3.1857</b>	<b>0.8443</b>	<b>0.0233</b>	<b>0.8676</b>	<b>16.2698</b>	<b>2,718.1474</b>	<b>2,734.4171</b>	<b>1.1396</b>	<b>0.1386</b>	<b>2,804.2196</b>

**Regulatory Compliance 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	0.2292	0.0000	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003
Energy	2.7900e-003	0.0254	0.0213	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	101.7054	101.7054	6.7800e-003	1.2600e-003	102.2517
Mobile	1.3229	1.8550	12.2379	0.0282	3.1610	0.0228	3.1837	0.8443	0.0213	0.8656	0.0000	2,603.6984	2,603.6984	0.1463	0.1359	2,647.8572
Waste						0.0000	0.0000		0.0000	0.0000	15.7217	0.0000	15.7217	0.9291	0.0000	38.9497
Water						0.0000	0.0000		0.0000	0.0000	0.4385	11.4107	11.8492	0.0460	1.1800e-003	13.3509
<b>Total</b>	<b>1.5549</b>	<b>1.8804</b>	<b>12.2598</b>	<b>0.0283</b>	<b>3.1610</b>	<b>0.0247</b>	<b>3.1857</b>	<b>0.8443</b>	<b>0.0233</b>	<b>0.8676</b>	<b>16.1601</b>	<b>2,716.8155</b>	<b>2,732.9757</b>	<b>1.1282</b>	<b>0.1384</b>	<b>2,802.4106</b>

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.05	0.05	1.00	0.20	0.06

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/18/2022	2/17/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT





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

**Regulatory Compliance Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Regulatory Compliance	1.3229	1.8550	12.2379	0.0282	3.1610	0.0228	3.1837	0.8443	0.0213	0.8656	0.0000	2,603.6984	2,603.6984	0.1463	0.1359	2,647.8572
Baseline	1.3229	1.8550	12.2379	0.0282	3.1610	0.0228	3.1837	0.8443	0.0213	0.8656	0.0000	2,603.6984	2,603.6984	0.1463	0.1359	2,647.8572

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Baseline	Regulatory Compliance
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	4,800.66	0.00	0.00	8,360,360	8,360,360
<b>Total</b>	<b>4,800.66</b>	<b>0.00</b>	<b>0.00</b>	<b>8,360,360</b>	<b>8,360,360</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
Elementary School	12.50	4.20	5.40	65.00	30.00	5.00	63	25	12

Landau Operation - Proposed Uses - Riverside-Salton Sea County, Annual

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.542916	0.056689	0.174450	0.134041	0.024680	0.006960	0.011589	0.018600	0.000608	0.000298	0.023389	0.001091	0.004689

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Regulatory Compliance						0.0000	0.0000		0.0000	0.0000	0.0000	74.0744	74.0744	6.2500e-003	7.6000e-004	74.4565
Electricity Baseline						0.0000	0.0000		0.0000	0.0000	0.0000	74.0744	74.0744	6.2500e-003	7.6000e-004	74.4565
NaturalGas Regulatory Compliance	2.7900e-003	0.0254	0.0213	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	27.6310	27.6310	5.3000e-004	5.1000e-004	27.7952
NaturalGas Baseline	2.7900e-003	0.0254	0.0213	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	27.6310	27.6310	5.3000e-004	5.1000e-004	27.7952

5.2 Energy by Land Use - NaturalGas

Baseline

	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					
Elementary School	517785	2.7900e-003	0.0254	0.0213	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	27.6310	27.6310	5.3000e-004	5.1000e-004	27.7952
<b>Total</b>		<b>2.7900e-003</b>	<b>0.0254</b>	<b>0.0213</b>	<b>1.5000e-004</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>27.6310</b>	<b>27.6310</b>	<b>5.3000e-004</b>	<b>5.1000e-004</b>	<b>27.7952</b>

Landau Operation - Proposed Uses - Riverside-Salton Sea County, Annual

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

**Regulatory Compliance**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	517785	2.7900e-003	0.0254	0.0213	1.5000e-004		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	27.6310	27.6310	5.3000e-004	5.1000e-004	27.7952
<b>Total</b>		<b>2.7900e-003</b>	<b>0.0254</b>	<b>0.0213</b>	<b>1.5000e-004</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>		<b>1.9300e-003</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>27.6310</b>	<b>27.6310</b>	<b>5.3000e-004</b>	<b>5.1000e-004</b>	<b>27.7952</b>

**5.3 Energy by Land Use - Electricity**

**Baseline**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	417684	74.0744	6.2500e-003	7.6000e-004	74.4565
<b>Total</b>		<b>74.0744</b>	<b>6.2500e-003</b>	<b>7.6000e-004</b>	<b>74.4565</b>

**Regulatory Compliance**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	417684	74.0744	6.2500e-003	7.6000e-004	74.4565
<b>Total</b>		<b>74.0744</b>	<b>6.2500e-003</b>	<b>7.6000e-004</b>	<b>74.4565</b>

Landau Operation - Proposed Uses - Riverside-Salton Sea County, Annual

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

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Regulatory Compliance	0.2292	0.0000	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003
Baseline	0.2466	0.0000	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003

**6.2 Area by SubCategory**

**Baseline**

	ROG	NOx	CO	SO2	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	0.0138					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2327					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003
<b>Total</b>	<b>0.2466</b>	<b>0.0000</b>	<b>5.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0600e-003</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1300e-003</b>

Landau Operation - Proposed Uses - Riverside-Salton Sea County, Annual

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

**Regulatory Compliance**

	ROG	NOx	CO	SO2	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	0.0138					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2153					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0600e-003	1.0600e-003	0.0000	0.0000	1.1300e-003
<b>Total</b>	<b>0.2292</b>	<b>0.0000</b>	<b>5.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0600e-003</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1300e-003</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Regulatory Compliance	11.8492	0.0460	1.1800e-003	13.3509
Baseline	13.2907	0.0574	1.4600e-003	15.1599

Landau Operation - Proposed Uses - Riverside-Salton Sea County, Annual

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

**7.2 Water by Land Use**

**Baseline**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.72764 / 4.44249	13.2907	0.0574	1.4600e-003	15.1599
<b>Total</b>		<b>13.2907</b>	<b>0.0574</b>	<b>1.4600e-003</b>	<b>15.1599</b>

**Regulatory Compliance**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.38211 / 4.1715	11.8492	0.0460	1.1800e-003	13.3509
<b>Total</b>		<b>11.8492</b>	<b>0.0460</b>	<b>1.1800e-003</b>	<b>13.3509</b>

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Regulatory Compliance	15.7217	0.9291	0.0000	38.9497
Baseline	15.7217	0.9291	0.0000	38.9497

Landau Operation - Proposed Uses - Riverside-Salton Sea County, Annual

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

**8.2 Waste by Land Use**

**Baseline**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	77.45	15.7217	0.9291	0.0000	38.9497
<b>Total</b>		<b>15.7217</b>	<b>0.9291</b>	<b>0.0000</b>	<b>38.9497</b>

**Regulatory Compliance**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	77.45	15.7217	0.9291	0.0000	38.9497
<b>Total</b>		<b>15.7217</b>	<b>0.9291</b>	<b>0.0000</b>	<b>38.9497</b>

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

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**APPENDIX F**

EDR Report

**Landau Elementary School**

30310 Landau Boulevard  
Cathedral City, CA 92234

Inquiry Number: 6347086.6s

January 27, 2021

# The EDR Radius Map™ Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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## GEOCHECK ADDENDUM

GeoCheck - Not Requested

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

30310 LANDAU BOULEVARD  
CATHEDRAL CITY, CA 92234

#### COORDINATES

Latitude (North): 33.8281160 - 33° 49' 41.21"  
Longitude (West): 116.4755250 - 116° 28' 31.89"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 548532.8  
UTM Y (Meters): 3743027.8  
Elevation: 389 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5639316 CATHEDRAL CITY, CA  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140521  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
 30310 LANDAU BOULEVARD  
 CATHEDRAL CITY, CA 92234

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">A1</a>	PALM SPRINGS LANDAU	30310 LANDAU BLVD	NPDES		TP
<a href="#">A2</a>	SPRINT UNITED MANAGE	30310 LANDAU BLVD	FINDS		TP
<a href="#">Reg</a>	AGUA CALIENTE INDIAN		INDIAN RESERV	Same	4439, 0.841, South
<a href="#">Reg</a>	AGUA CALIENTE INDIAN		INDIAN RESERV	Same	873, 0.165, North
<a href="#">3</a>	AGUA CALIENTE ELEMEN	30-800 SAN LUIS REY	ENVIROSTOR, SCH	Higher	4553, 0.862, WSW
<a href="#">4</a>	U-HAUL	68075 RAMON ROAD	Notify 65	Lower	4556, 0.863, South
<a href="#">5</a>	RIO VISTA VILLAGE	VERONA ROAD/AVENIDA	ENVIROSTOR, SCH, CERS	Lower	4930, 0.934, ESE

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
PALM SPRINGS LANDAU 30310 LANDAU BLVD CATHEDRAL CITY, CA 92234	NPDES	N/A
SPRINT UNITED MANAGE 30310 LANDAU BLVD CATHEDRAL CITY, CA 92234	FINDS Registry ID:: 110065905248	N/A

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

## EXECUTIVE SUMMARY

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators  
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROLS..... Institutional Controls Sites List

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent NPL***

RESPONSE..... State Response Sites

### ***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF..... Solid Waste Information System

### ***State and tribal leaking storage tank lists***

LUST..... Geotracker's Leaking Underground Fuel Tank Report  
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land  
CPS-SLIC..... Statewide SLIC Cases

### ***State and tribal registered storage tank lists***

FEMA UST..... Underground Storage Tank Listing  
UST..... Active UST Facilities  
AST..... Aboveground Petroleum Storage Tank Facilities  
INDIAN UST..... Underground Storage Tanks on Indian Land

### ***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing  
VCP..... Voluntary Cleanup Program Properties

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Considered Brownfields Sites Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

WMUDS/SWAT..... Waste Management Unit Database



## EXECUTIVE SUMMARY

SWRCY.....	Recycler Database
HAULERS.....	Registered Waste Tire Haulers Listing
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
ODI.....	Open Dump Inventory
IHS OPEN DUMPS.....	Open Dumps on Indian Land

### **Local Lists of Hazardous waste / Contaminated Sites**

US HIST CDL.....	Delisted National Clandestine Laboratory Register
HIST Cal-Sites.....	Historical Calsites Database
SCH.....	School Property Evaluation Program
CDL.....	Clandestine Drug Labs
CERS HAZ WASTE.....	CERS HAZ WASTE
Toxic Pits.....	Toxic Pits Cleanup Act Sites
US CDL.....	National Clandestine Laboratory Register
PFAS.....	PFAS Contamination Site Location Listing

### **Local Lists of Registered Storage Tanks**

SWEEPS UST.....	SWEEPS UST Listing
HIST UST.....	Hazardous Substance Storage Container Database
CERS TANKS.....	California Environmental Reporting System (CERS) Tanks
CA FID UST.....	Facility Inventory Database

### **Local Land Records**

LIENS.....	Environmental Liens Listing
LIENS 2.....	CERCLA Lien Information
DEED.....	Deed Restriction Listing

### **Records of Emergency Release Reports**

HMIRS.....	Hazardous Materials Information Reporting System
CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
SPILLS 90.....	SPILLS 90 data from FirstSearch

### **Other Ascertainable Records**

RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties

## EXECUTIVE SUMMARY

PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
ECHO.....	Enforcement & Compliance History Information
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HIST CORTESE.....	Hazardous Waste & Substance Site List
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
MINES MRDS.....	Mineral Resources Data System
HWTS.....	Hazardous Waste Tracking System

# EXECUTIVE SUMMARY

## EDR HIGH RISK HISTORICAL RECORDS

### ***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants  
EDR Hist Auto..... EDR Exclusive Historical Auto Stations  
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

## EDR RECOVERED GOVERNMENT ARCHIVES

### ***Exclusive Recovered Govt. Archives***

RGA LF..... Recovered Government Archive Solid Waste Facilities List  
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

## SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## STANDARD ENVIRONMENTAL RECORDS

### ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/26/2020 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>AGUA CALIENTE ELEMEN</i></b> Facility Id: 60002203	<b><i>30-800 SAN LUIS REY</i></b>	<b><i>WSW 1/2 - 1 (0.862 mi.)</i></b>	<b><i>3</i></b>	<b><i>10</i></b>

## EXECUTIVE SUMMARY

Status: No Further Action

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RIO VISTA VILLAGE</b> Facility Id: 33000004 Status: No Action Required	<b>VERONA ROAD/AVENIDA</b>	<b>ESE 1/2 - 1 (0.934 mi.)</b>	<b>5</b>	<b>14</b>

### ADDITIONAL ENVIRONMENTAL RECORDS

#### ***Other Ascertainable Records***

INDIAN RESERV: This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2014 has revealed that there are 2 INDIAN RESERV sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AGUA CALIENTE INDIAN		S 1/2 - 1 (0.841 mi.)	0	10
AGUA CALIENTE INDIAN		N 1/8 - 1/4 (0.165 mi.)	0	10

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 12/07/2020 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
U-HAUL	68075 RAMON ROAD	S 1/2 - 1 (0.863 mi.)	4	14

## EXECUTIVE SUMMARY

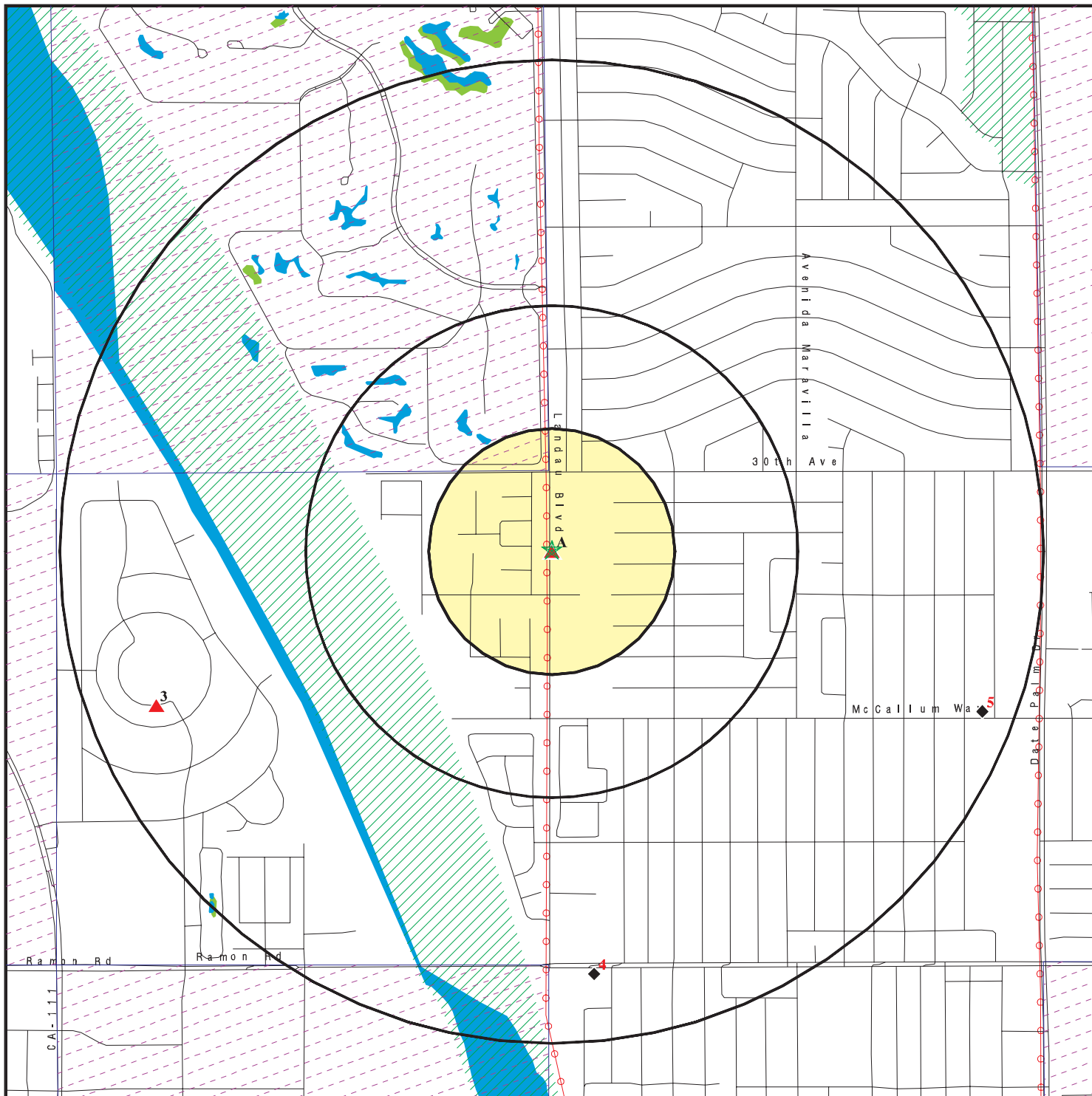
Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name

Database(s)

CDL

# OVERVIEW MAP - 6347086.6S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

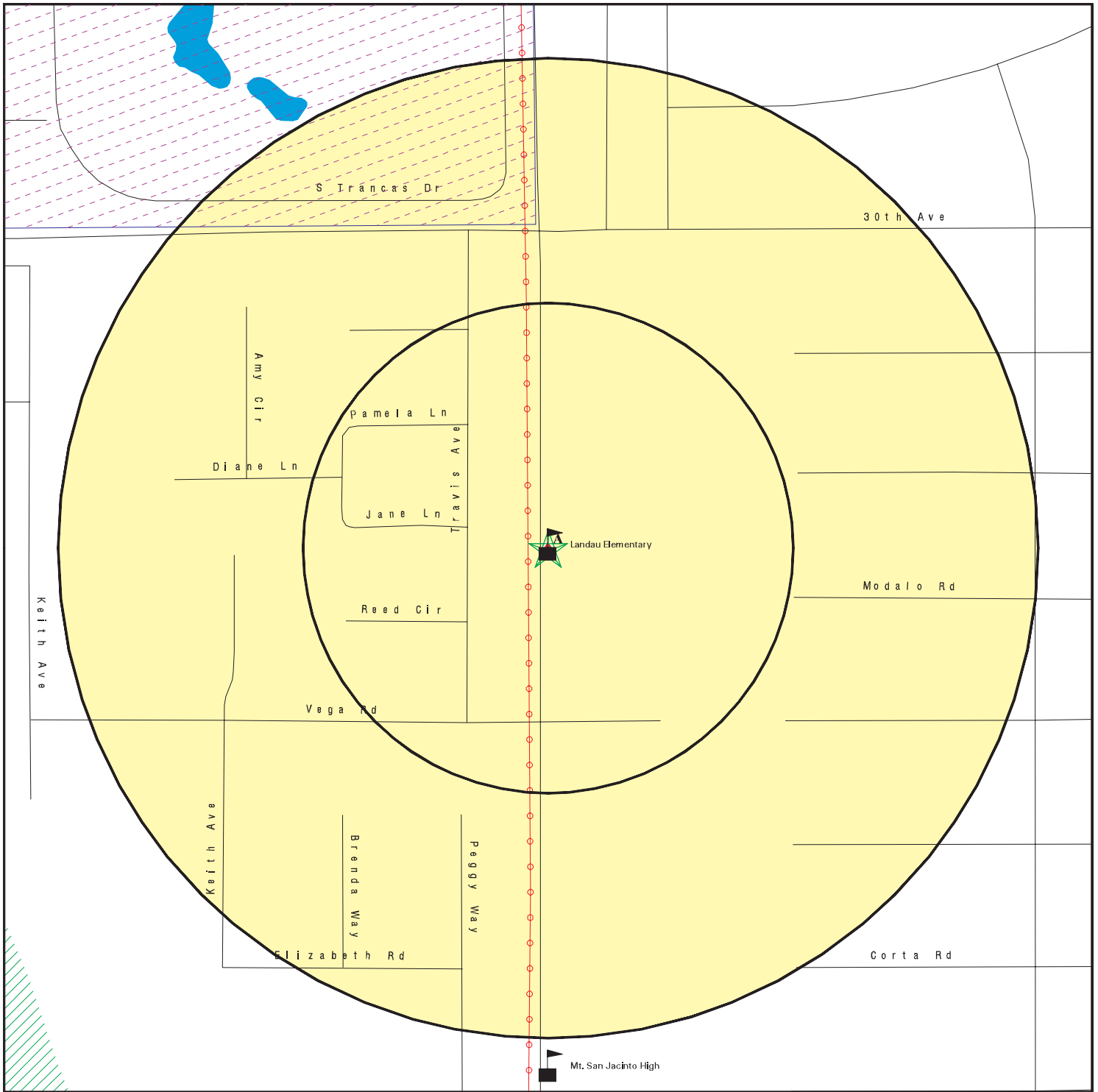
- ☒ Indian Reservations BIA
- ⚡ Power transmission lines
- ▨ Special Flood Hazard Area (1%)
- ▨ 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- ▨ Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Landau Elementary School  
 ADDRESS: 30310 Landau Boulevard  
 Cathedral City CA 92234  
 LAT/LONG: 33.828116 / 116.475525

CLIENT: Meridian Consultants LLC  
 CONTACT: Zulema Renteria  
 INQUIRY #: 6347086.6s  
 DATE: January 27, 2021 7:21 pm

# DETAIL MAP - 6347086.6S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚧 National Priority List Sites
- 🏠 Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Landau Elementary School  
 ADDRESS: 30310 Landau Boulevard  
 Cathedral City CA 92234  
 LAT/LONG: 33.828116 / 116.475525

CLIENT: Meridian Consultants LLC  
 CONTACT: Zulema Renteria  
 INQUIRY #: 6347086.6s  
 DATE: January 27, 2021 7:22 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL RESPONSE</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i></b>								
ENVIROSTOR	1.000		0	0	0	2	NR	2
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		0	0	0	NR	NR	0



## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	1	0	1	NR	2
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP	1	NR	NR	NR	NR	NR	1
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### *EDR Exclusive Records*

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

### EDR RECOVERED GOVERNMENT ARCHIVES

#### *Exclusive Recovered Govt. Archives*

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

- Totals --		2	0	1	0	4	0	7
-------------	--	---	---	---	---	---	---	---

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
-----------------	--	----------------------------	-----------------	------------------	------------------	----------------	---------------	--------------------------

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

**A1** PALM SPRINGS LANDAU  
**Target** 30310 LANDAU BLVD  
**Property** CATHEDRAL CITY, CA 92234

**NPDES** S126215895  
N/A

**Site 1 of 2 in cluster A**

**Actual:**  
**389 ft.**

**NPDES:**  
Name: PALM SPRINGS LANDAU  
Address: 30310 LANDAU BLVD  
City,State,Zip: CATHEDRAL CITY, CA 92234  
Facility Status: Not reported  
NPDES Number: Not reported  
Region: Not reported  
Agency Number: Not reported  
Regulatory Measure ID: Not reported  
Place ID: Not reported  
Order Number: Not reported  
WDID: 7 33W004511  
Regulatory Measure Type: Construction  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Discharge Address: Not reported  
Discharge Name: Not reported  
Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
Status: Expired  
Status Date: 06/22/2020  
Operator Name: Borrego Solar  
Operator Address: Not reported  
Operator City: Not reported  
Operator State: Not reported  
Operator Zip: Not reported

**A2** SPRINT UNITED MANAGEMNT CO.  
**Target** 30310 LANDAU BLVD  
**Property** CATHEDRAL CITY, CA 92234

**FINDS** 1023298596  
N/A

**Site 2 of 2 in cluster A**

**Actual:**  
**389 ft.**

**FINDS:**  
Registry ID: 110065905248

Click Here:

Environmental Interest/Information System:  
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**IND RES**  
**Region**  
**South**  
**1/2-1**  
**4439 ft.**

**AGUA CALIENTE INDIAN RESERVATION**  
**, CA**

**INDIAN RESERV**    **CIND200700**  
**N/A**

INDIAN RESERV:  
Feature:                    Indian Reservation  
Name:                      Agua Caliente Indian Reservation  
Agency:                    BIA

**IND RES**  
**Region**  
**North**  
**1/8-1/4**  
**873 ft.**

**AGUA CALIENTE INDIAN RESERVATION**  
**, CA**

**INDIAN RESERV**    **CIND200686**  
**N/A**

INDIAN RESERV:  
Feature:                    Indian Reservation  
Name:                      Agua Caliente Indian Reservation  
Agency:                    BIA

**3**  
**WSW**  
**1/2-1**  
**0.862 mi.**  
**4553 ft.**

**AGUA CALIENTE ELEMENTARY SCHOOL**  
**30-800 SAN LUIS REY DRIVE**  
**CATHEDRAL CITY, CA 92234**

**ENVIROSTOR**    **S118098164**  
**SCH**                **N/A**

**Relative:**  
**Higher**  
**Actual:**  
**389 ft.**

ENVIROSTOR:  
Name:                      AGUA CALIENTE ELEMENTARY SCHOOL  
Address:                    30-800 SAN LUIS REY DRIVE  
City,State,Zip:            CATHEDRAL CITY, CA 92234  
Facility ID:                60002203  
Status:                     No Further Action  
Status Date:               01/11/2017  
Site Code:                 404915  
Site Type:                 School Investigation  
Site Type Detailed:        School  
Acres:                      12  
NPL:                        NO  
Regulatory Agencies:     SMBRP  
Lead Agency:               SMBRP  
Program Manager:         Scarlett Zhai  
Supervisor:                Shahir Haddad  
Division Branch:          Southern California Schools & Brownfields Outreach  
Assembly:                  , 56  
Senate:                     , 28  
Special Program:          Not reported  
Restricted Use:             NO  
Site Mgmt Req:             NONE SPECIFIED  
Funding:                    School District  
Latitude:                    33.82357  
Longitude:                  -116.4895  
APN:                        677-323-013  
Past Use:                    AGRICULTURAL - ORCHARD, TRANSFER STATION, SCHOOL - ELEMENTARY  
Potential COC:             Polychlorinated biphenyls (PCBs)  
Confirmed COC:            Polychlorinated biphenyls (PCBs)  
Potential Description:    SOIL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGUA CALIENTE ELEMENTARY SCHOOL (Continued)**

**S118098164**

Alias Name: 677-323-013  
Alias Type: APN  
Alias Name: 404915  
Alias Type: Project Code (Site Code)  
Alias Name: 60002203  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/13/2016  
Comments: Annual Cost Estimate Letter, dated 9/13/16, sent to RP.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Environmental Oversight Agreement  
Completed Date: 02/11/2016  
Comments: Fully executed EOA sent to District via regular mail.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 10/03/2017  
Comments: Site closed out by CRBS on 10/03/17.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1 Addendum  
Completed Date: 08/21/2015  
Comments: DTSC issued a PEA required determination based on the Phase I report

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Environmental Oversight Agreement Application  
Completed Date: 01/27/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Tech Memo  
Completed Date: 05/16/2016  
Comments: DTSC concurred with the Adequacy of the Tech Memo for implementation provided DTSC comments are incorporated in future work/reports.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 12/19/2016  
Comments: DTSC approved the PEA with a No Further Action determination.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: 4.14 Request  
Completed Date: 06/30/2016  
Comments: Not reported

Future Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGUA CALIENTE ELEMENTARY SCHOOL (Continued)**

**S118098164**

Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

**SCH:**

Name: AGUA CALIENTE ELEMENTARY SCHOOL  
Address: 30-800 SAN LUIS REY DRIVE  
City,State,Zip: CATHEDRAL CITY, CA 92234  
Facility ID: 60002203  
Site Type: School Investigation  
Site Type Detail: School  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 12  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Scarlett Zhai  
Supervisor: Shahir Haddad  
Division Branch: Southern California Schools & Brownfields Outreach  
Site Code: 404915  
Assembly: , 56  
Senate: , 28  
Special Program Status: Not reported  
Status: No Further Action  
Status Date: 01/11/2017  
Restricted Use: NO  
Funding: School District  
Latitude: 33.82357  
Longitude: -116.4895  
APN: 677-323-013  
Past Use: AGRICULTURAL - ORCHARD, TRANSFER STATION, SCHOOL - ELEMENTARY  
Potential COC: Polychlorinated biphenyls (PCBs)  
Confirmed COC: Polychlorinated biphenyls (PCBs)  
Potential Description: SOIL  
Alias Name: 677-323-013  
Alias Type: APN  
Alias Name: 404915  
Alias Type: Project Code (Site Code)  
Alias Name: 60002203  
Alias Type: Envirostor ID Number

**Completed Info:**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Annual Oversight Cost Estimate  
Completed Date: 09/13/2016  
Comments: Annual Cost Estimate Letter, dated 9/13/16, sent to RP.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGUA CALIENTE ELEMENTARY SCHOOL (Continued)**

**S118098164**

Completed Document Type: Environmental Oversight Agreement  
Completed Date: 02/11/2016  
Comments: Fully executed EOA sent to District via regular mail.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 10/03/2017  
Comments: Site closed out by CRBS on 10/03/17.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1 Addendum  
Completed Date: 08/21/2015  
Comments: DTSC issued a PEA required determination based on the Phase I report

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Environmental Oversight Agreement Application  
Completed Date: 01/27/2016  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Tech Memo  
Completed Date: 05/16/2016  
Comments: DTSC concurred with the Adequacy of the Tech Memo for implementation provided DTSC comments are incorporated in future work/reports.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 12/19/2016  
Comments: DTSC approved the PEA with a No Further Action determination.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: 4.14 Request  
Completed Date: 06/30/2016  
Comments: Not reported

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**4**  
 South  
 1/2-1  
 0.863 mi.  
 4556 ft.

**U-HAUL**  
**68075 RAMON ROAD**  
**CATHEDRAL CITY, CA 92234**

**Notify 65**    **S118152749**  
 N/A

**Relative:**  
**Lower**  
**Actual:**  
**360 ft.**

**NOTIFY 65:**  
 Name: U-HAUL  
 Address: 68075 RAMON ROAD  
 City,State,Zip: CATHEDRAL CITY, CA 92234-3320  
 Date Reported: Not reported  
 Staff Initials: Not reported  
 Board File Number: Not reported  
 Facility Type: Not reported  
 Discharge Date: Not reported  
 Issue Date: Not reported  
 Incident Description: Not reported  
 Global ID: Not reported  
 Status: Not reported

**5**  
 ESE  
 1/2-1  
 0.934 mi.  
 4930 ft.

**RIO VISTA VILLAGE**  
**VERONA ROAD/AVENIDA**  
**CATHEDRAL CITY, CA 92234**

**ENVIROSTOR**    **S118756694**  
**SCH**    **N/A**  
**CERS**

**Relative:**  
**Lower**  
**Actual:**  
**373 ft.**

**ENVIROSTOR:**  
 Name: RIO VISTA VILLAGE  
 Address: VERONA ROAD/AVENIDA  
 City,State,Zip: CATHEDRAL CITY, CA 92234  
 Facility ID: 33000004  
 Status: No Action Required  
 Status Date: 01/12/2001  
 Site Code: 404186  
 Site Type: School Investigation  
 Site Type Detailed: School  
 Acres: 12.03  
 NPL: NO  
 Regulatory Agencies: SMBRP  
 Lead Agency: SMBRP  
 Program Manager: Not reported  
 Supervisor: Javier Hinojosa  
 Division Branch: Southern California Schools & Brownfields Outreach  
 Assembly: 56  
 Senate: 28  
 Special Program: Not reported  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: School District  
 Latitude: 33.82339  
 Longitude: -116.4603  
 APN: NONE SPECIFIED  
 Past Use: NONE  
 Potential COC: NONE SPECIFIED No Contaminants found  
 Confirmed COC: NONE SPECIFIED  
 Potential Description: NMA  
 Alias Name: PALM SPRINGS UNIFIED SCHOOL DISTRICT  
 Alias Type: Alternate Name  
 Alias Name: PALM SPRINGS USD-VERONA RD & AVE QUINTAN  
 Alias Type: Alternate Name

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RIO VISTA VILLAGE (Continued)**

**S118756694**

Alias Name: RIO VISTA VILLAGE SITE (PROPOSED)  
Alias Type: Alternate Name  
Alias Name: 404186  
Alias Type: Project Code (Site Code)  
Alias Name: 33000004  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 01/12/2001  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 01/30/2001  
Comments: CRU Memo

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

SCH:

Name: RIO VISTA VILLAGE  
Address: VERONA ROAD/AVENIDA  
City,State,Zip: CATHEDRAL CITY, CA 92234  
Facility ID: 33000004  
Site Type: School Investigation  
Site Type Detail: School  
Site Mgmt. Req.: NONE SPECIFIED  
Acres: 12.03  
National Priorities List: NO  
Cleanup Oversight Agencies: SMBRP  
Lead Agency: SMBRP  
Lead Agency Description: DTSC - Site Cleanup Program  
Project Manager: Not reported  
Supervisor: Javier Hinojosa  
Division Branch: Southern California Schools & Brownfields Outreach  
Site Code: 404186  
Assembly: 56  
Senate: 28  
Special Program Status: Not reported  
Status: No Action Required  
Status Date: 01/12/2001  
Restricted Use: NO  
Funding: School District  
Latitude: 33.82339  
Longitude: -116.4603

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RIO VISTA VILLAGE (Continued)**

**S118756694**

APN: NONE SPECIFIED  
Past Use: NONE  
Potential COC: NONE SPECIFIED, No Contaminants found  
Confirmed COC: NONE SPECIFIED  
Potential Description: NMA  
Alias Name: PALM SPRINGS UNIFIED SCHOOL DISTRICT  
Alias Type: Alternate Name  
Alias Name: PALM SPRINGS USD-VERONA RD & AVE QUINTAN  
Alias Type: Alternate Name  
Alias Name: RIO VISTA VILLAGE SITE (PROPOSED)  
Alias Type: Alternate Name  
Alias Name: 404186  
Alias Type: Project Code (Site Code)  
Alias Name: 33000004  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Phase 1  
Completed Date: 01/12/2001  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Cost Recovery Closeout Memo  
Completed Date: 01/30/2001  
Comments: CRU Memo

Future Area Name: Not reported  
Future Sub Area Name: Not reported  
Future Document Type: Not reported  
Future Due Date: Not reported  
Schedule Area Name: Not reported  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Not reported  
Schedule Due Date: Not reported  
Schedule Revised Date: Not reported

CERS:

Name: RIO VISTA VILLAGE  
Address: VERONA ROAD/AVENIDA  
City,State,Zip: CATHEDRAL CITY, CA 92234  
Site ID: 371591  
CERS ID: 33000004  
CERS Description: School Investigation

Affiliation:

Affiliation Type Desc: Supervisor  
Entity Name: JAVIER HINOJOSA  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Count: 1 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
CATHEDRAL CITY	S107540739		SOUTH EAST CORNER OF LANDAU BL	92234	CDL

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/28/2020	Source: EPA
Date Data Arrived at EDR: 11/05/2020	Telephone: N/A
Date Made Active in Reports: 11/25/2020	Last EDR Contact: 01/14/2021
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/12/2021
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/28/2020	Source: EPA
Date Data Arrived at EDR: 11/05/2020	Telephone: N/A
Date Made Active in Reports: 11/25/2020	Last EDR Contact: 01/14/2021
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/12/2021
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## ***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/28/2020  
Date Data Arrived at EDR: 11/05/2020  
Date Made Active in Reports: 11/25/2020  
Number of Days to Update: 20

Source: EPA  
Telephone: N/A  
Last EDR Contact: 01/14/2021  
Next Scheduled EDR Contact: 04/12/2021  
Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019  
Date Data Arrived at EDR: 04/05/2019  
Date Made Active in Reports: 05/14/2019  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 12/23/2020  
Next Scheduled EDR Contact: 04/12/2021  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/28/2020  
Date Data Arrived at EDR: 11/05/2020  
Date Made Active in Reports: 11/25/2020  
Number of Days to Update: 20

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 01/14/2021  
Next Scheduled EDR Contact: 04/26/2021  
Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/28/2020	Source: EPA
Date Data Arrived at EDR: 11/05/2020	Telephone: 800-424-9346
Date Made Active in Reports: 11/25/2020	Last EDR Contact: 01/14/2021
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/26/2021
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/14/2020	Source: EPA
Date Data Arrived at EDR: 12/17/2020	Telephone: 800-424-9346
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

## RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/06/2020	Source: Department of the Navy
Date Data Arrived at EDR: 08/21/2020	Telephone: 843-820-7326
Date Made Active in Reports: 11/11/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/28/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2020	Telephone: 703-603-0695
Date Made Active in Reports: 11/18/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 03/08/2021
	Data Release Frequency: Varies

### US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/28/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2020	Telephone: 703-603-0695
Date Made Active in Reports: 11/18/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 03/08/2021
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal ERNS list***

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/14/2020

Date Data Arrived at EDR: 12/15/2020

Date Made Active in Reports: 12/22/2020

Number of Days to Update: 7

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 12/15/2020

Next Scheduled EDR Contact: 04/05/2021

Data Release Frequency: Quarterly

## ***State- and tribal - equivalent NPL***

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/26/2020

Date Data Arrived at EDR: 10/26/2020

Date Made Active in Reports: 01/13/2021

Number of Days to Update: 79

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/26/2021

Next Scheduled EDR Contact: 05/10/2021

Data Release Frequency: Quarterly

## ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/26/2020

Date Data Arrived at EDR: 10/26/2020

Date Made Active in Reports: 01/13/2021

Number of Days to Update: 79

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/26/2021

Next Scheduled EDR Contact: 05/10/2021

Data Release Frequency: Quarterly

## ***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/09/2020

Date Data Arrived at EDR: 11/10/2020

Date Made Active in Reports: 01/14/2021

Number of Days to Update: 65

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 11/10/2020

Next Scheduled EDR Contact: 02/22/2021

Data Release Frequency: Quarterly

## ***State and tribal leaking storage tank lists***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001  
Date Data Arrived at EDR: 04/23/2001  
Date Made Active in Reports: 05/21/2001  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-637-5595  
Last EDR Contact: 09/26/2011  
Next Scheduled EDR Contact: 01/09/2012  
Data Release Frequency: No Update Planned

## LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003  
Date Data Arrived at EDR: 05/19/2003  
Date Made Active in Reports: 06/02/2003  
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-542-4786  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: No Update Planned

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005  
Date Data Arrived at EDR: 06/07/2005  
Date Made Active in Reports: 06/29/2005  
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
Telephone: 760-241-7365  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001  
Date Data Arrived at EDR: 02/28/2001  
Date Made Active in Reports: 03/29/2001  
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-570-3769  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-622-2433  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: No Update Planned

## LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005  
Date Data Arrived at EDR: 02/15/2005  
Date Made Active in Reports: 03/28/2005  
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4496  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Quarterly

## LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6710  
Last EDR Contact: 09/06/2011  
Next Scheduled EDR Contact: 12/19/2011  
Data Release Frequency: No Update Planned

## LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008  
Date Data Arrived at EDR: 07/22/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-4834  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: No Update Planned

## LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004  
Date Data Arrived at EDR: 02/26/2004  
Date Made Active in Reports: 03/24/2004  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)  
Telephone: 760-776-8943  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003  
Date Data Arrived at EDR: 09/10/2003  
Date Made Active in Reports: 10/07/2003  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)  
Telephone: 530-542-5572  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/14/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 84

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 12/16/2020  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/29/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 84

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 12/16/2020  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2020	Source: EPA, Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-7439
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/14/2020	Source: EPA Region 4
Date Data Arrived at EDR: 05/26/2020	Telephone: 404-562-8677
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

## INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/20/2020	Telephone: 415-972-3372
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6271
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

## INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/15/2020	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2020	Telephone: 913-551-7003
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-6597
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

## CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003  
Date Data Arrived at EDR: 04/07/2003  
Date Made Active in Reports: 04/25/2003  
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: No Update Planned

## SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006  
Date Data Arrived at EDR: 05/18/2006  
Date Made Active in Reports: 06/15/2006  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: No Update Planned

## SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004  
Date Data Arrived at EDR: 11/18/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: No Update Planned

## SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005  
Date Data Arrived at EDR: 04/05/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/25/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: No Update Planned

## **State and tribal registered storage tank lists**

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 07/21/2020  
Date Data Arrived at EDR: 09/03/2020  
Date Made Active in Reports: 11/25/2020  
Number of Days to Update: 83

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 01/04/2021  
Next Scheduled EDR Contact: 04/19/2021  
Data Release Frequency: Varies

### UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/03/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 12/03/2020  
Number of Days to Update: 86

Source: State Water Resources Control Board  
Telephone: 916-327-7844  
Last EDR Contact: 12/08/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: SWRCB  
Telephone: 916-341-5851  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Semi-Annually

## AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016  
Date Data Arrived at EDR: 07/12/2016  
Date Made Active in Reports: 09/19/2016  
Number of Days to Update: 69

Source: California Environmental Protection Agency  
Telephone: 916-327-5092  
Last EDR Contact: 12/09/2020  
Next Scheduled EDR Contact: 03/29/2021  
Data Release Frequency: Varies

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/03/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 84

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 12/16/2020  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 84

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 12/16/2020  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/14/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 84

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 12/15/2020  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/29/2020	Source: EPA, Region 1
Date Data Arrived at EDR: 05/20/2020	Telephone: 617-918-1313
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6137
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/14/2020	Source: EPA Region 4
Date Data Arrived at EDR: 05/26/2020	Telephone: 404-562-9424
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-7591
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2020	Source: EPA Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-6136
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

## ***State and tribal voluntary cleanup sites***

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 12/15/2020
Number of Days to Update: 142	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

## VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/26/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/26/2020	Telephone: 916-323-3400
Date Made Active in Reports: 01/13/2021	Last EDR Contact: 01/26/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 05/10/2021
	Data Release Frequency: Quarterly

## **State and tribal Brownfields sites**

### BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/21/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/22/2020	Telephone: 916-323-7905
Date Made Active in Reports: 12/11/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

#### US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2020	Telephone: 202-566-2777
Date Made Active in Reports: 12/10/2020	Last EDR Contact: 12/11/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 03/29/2021
	Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

#### WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000  
Date Data Arrived at EDR: 04/10/2000  
Date Made Active in Reports: 05/10/2000  
Number of Days to Update: 30

Source: State Water Resources Control Board  
Telephone: 916-227-4448  
Last EDR Contact: 01/25/2021  
Next Scheduled EDR Contact: 05/10/2021  
Data Release Frequency: No Update Planned

## SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 12/08/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Quarterly

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/28/2020  
Date Data Arrived at EDR: 05/29/2020  
Date Made Active in Reports: 08/12/2020  
Number of Days to Update: 75

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 11/05/2020  
Next Scheduled EDR Contact: 02/22/2021  
Data Release Frequency: Varies

## INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 01/25/2021  
Next Scheduled EDR Contact: 05/10/2021  
Data Release Frequency: Varies

## ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 01/19/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: No Update Planned

## IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 10/30/2020  
Next Scheduled EDR Contact: 02/08/2021  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Local Lists of Hazardous waste / Contaminated Sites**

### **US HIST CDL: National Clandestine Laboratory Register**

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 11/16/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 03/08/2021
	Data Release Frequency: No Update Planned

### **HIST CAL-SITES: Calsites Database**

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

### **SCH: School Property Evaluation Program**

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/26/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/26/2020	Telephone: 916-323-3400
Date Made Active in Reports: 01/13/2021	Last EDR Contact: 01/26/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 05/10/2021
	Data Release Frequency: Quarterly

### **CDL: Clandestine Drug Labs**

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/28/2020	Telephone: 916-255-6504
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 01/19/2021
Number of Days to Update: 76	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Varies

### **CERS HAZ WASTE: CERS HAZ WASTE**

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 10/19/2020	Source: CalEPA
Date Data Arrived at EDR: 10/19/2020	Telephone: 916-323-2514
Date Made Active in Reports: 01/07/2021	Last EDR Contact: 01/20/2021
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Quarterly

### **TOXIC PITS: Toxic Pits Cleanup Act Sites**

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/1995  
Date Data Arrived at EDR: 08/30/1995  
Date Made Active in Reports: 09/26/1995  
Number of Days to Update: 27

Source: State Water Resources Control Board  
Telephone: 916-227-4364  
Last EDR Contact: 01/26/2009  
Next Scheduled EDR Contact: 04/27/2009  
Data Release Frequency: No Update Planned

## US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/18/2020  
Date Data Arrived at EDR: 03/19/2020  
Date Made Active in Reports: 06/09/2020  
Number of Days to Update: 82

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 11/16/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Quarterly

## PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 12/01/2020  
Number of Days to Update: 84

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/08/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## Local Lists of Registered Storage Tanks

### SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994  
Date Data Arrived at EDR: 07/07/2005  
Date Made Active in Reports: 08/11/2005  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/03/2005  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 05/20/2020  
Date Data Arrived at EDR: 05/20/2020  
Date Made Active in Reports: 08/06/2020  
Number of Days to Update: 78

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 11/16/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Annually

### HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990  
Date Data Arrived at EDR: 01/25/1991  
Date Made Active in Reports: 02/12/1991  
Number of Days to Update: 18

Source: State Water Resources Control Board  
Telephone: 916-341-5851  
Last EDR Contact: 07/26/2001  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 11/05/2020  
Date Data Arrived at EDR: 11/06/2020  
Date Made Active in Reports: 01/26/2021  
Number of Days to Update: 81

Source: San Francisco County Department of Public Health  
Telephone: 415-252-3896  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

## CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/19/2020  
Date Data Arrived at EDR: 10/19/2020  
Date Made Active in Reports: 01/07/2021  
Number of Days to Update: 80

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 01/20/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Quarterly

## CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994  
Date Data Arrived at EDR: 09/05/1995  
Date Made Active in Reports: 09/29/1995  
Number of Days to Update: 24

Source: California Environmental Protection Agency  
Telephone: 916-341-5851  
Last EDR Contact: 12/28/1998  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## **Local Land Records**

### LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/26/2020  
Date Data Arrived at EDR: 08/28/2020  
Date Made Active in Reports: 11/17/2020  
Number of Days to Update: 81

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 11/23/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Varies

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/28/2020  
Date Data Arrived at EDR: 11/05/2020  
Date Made Active in Reports: 11/25/2020  
Number of Days to Update: 20

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 01/14/2021  
Next Scheduled EDR Contact: 04/12/2021  
Data Release Frequency: Semi-Annually

### DEED: Deed Restriction Listing

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/31/2020	Source: DTSC and SWRCB
Date Data Arrived at EDR: 08/31/2020	Telephone: 916-323-3400
Date Made Active in Reports: 11/20/2020	Last EDR Contact: 12/01/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Semi-Annually

## **Records of Emergency Release Reports**

### **HMIRS: Hazardous Materials Information Reporting System**

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/20/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 09/22/2020	Telephone: 202-366-4555
Date Made Active in Reports: 12/14/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

### **CHMIRS: California Hazardous Material Incident Report System**

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 09/30/2020	Source: Office of Emergency Services
Date Data Arrived at EDR: 10/19/2020	Telephone: 916-845-8400
Date Made Active in Reports: 01/07/2021	Last EDR Contact: 01/20/2021
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Semi-Annually

### **LDS: Land Disposal Sites Listing (GEOTRACKER)**

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020	Source: State Water Quality Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

### **MCS: Military Cleanup Sites Listing (GEOTRACKER)**

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/08/2020	Telephone: 866-480-1028
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/04/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 09/29/2020	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 11/17/2020	Telephone: 202-528-4285
Date Made Active in Reports: 01/25/2021	Last EDR Contact: 11/17/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/15/2021
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/26/2021
	Data Release Frequency: Semi-Annually

### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 01/07/2021
Number of Days to Update: 574	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 11/09/2020
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/21/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/22/2020	Telephone: 202-566-1917
Date Made Active in Reports: 12/14/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 11/02/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 02/15/2021
	Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 11/06/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 02/15/2021
	Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/17/2020	Telephone: 202-260-5521
Date Made Active in Reports: 09/10/2020	Last EDR Contact: 12/18/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 03/29/2021
	Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 08/14/2020  
Date Made Active in Reports: 11/04/2020  
Number of Days to Update: 82

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 11/17/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/19/2020  
Date Data Arrived at EDR: 10/19/2020  
Date Made Active in Reports: 01/04/2021  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 01/21/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Annually

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/28/2020  
Date Data Arrived at EDR: 11/05/2020  
Date Made Active in Reports: 11/25/2020  
Number of Days to Update: 20

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 01/14/2021  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Annually

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2020  
Date Data Arrived at EDR: 11/12/2020  
Date Made Active in Reports: 01/25/2021  
Number of Days to Update: 74

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 01/19/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 01/14/2021
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/15/2021
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 01/08/2021
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/30/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Quarterly

## FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

## FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/05/2020	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/10/2020	Telephone: 301-415-7169
Date Made Active in Reports: 10/08/2020	Last EDR Contact: 01/19/2021
Number of Days to Update: 59	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 12/01/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 11/30/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 11/06/2021
Number of Days to Update: 96	Next Scheduled EDR Contact: 02/15/2021
	Data Release Frequency: Varies

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 01/08/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 04/12/2021
	Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 01/28/2020  
Date Made Active in Reports: 04/17/2020  
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 10/27/2020  
Next Scheduled EDR Contact: 02/08/2021  
Data Release Frequency: Quarterly

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2020  
Date Data Arrived at EDR: 10/08/2020  
Date Made Active in Reports: 01/04/2021  
Number of Days to Update: 88

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 01/04/2021  
Next Scheduled EDR Contact: 04/19/2021  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 06/22/2020  
Date Made Active in Reports: 11/20/2020  
Number of Days to Update: 151

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 12/23/2020  
Next Scheduled EDR Contact: 04/05/2021  
Data Release Frequency: Biennially

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 01/08/2021  
Next Scheduled EDR Contact: 04/19/2021  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017  
Date Data Arrived at EDR: 09/11/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 3

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 11/06/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019  
Date Data Arrived at EDR: 11/15/2019  
Date Made Active in Reports: 01/28/2020  
Number of Days to Update: 74

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 11/20/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/28/2020  
Date Data Arrived at EDR: 11/05/2020  
Date Made Active in Reports: 11/25/2020  
Number of Days to Update: 20

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 01/14/2021  
Next Scheduled EDR Contact: 04/12/2021  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/03/2020  
Date Data Arrived at EDR: 11/23/2020  
Date Made Active in Reports: 01/25/2021  
Number of Days to Update: 63

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 11/23/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Semi-Annually

## MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/24/2020  
Date Data Arrived at EDR: 11/30/2020  
Date Made Active in Reports: 01/25/2021  
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi  
Telephone: 202-693-9424  
Last EDR Contact: 11/24/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Quarterly

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020  
Date Data Arrived at EDR: 05/27/2020  
Date Made Active in Reports: 08/13/2020  
Number of Days to Update: 78

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 11/25/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 11/25/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/16/2020  
Date Data Arrived at EDR: 09/17/2020  
Date Made Active in Reports: 12/10/2020  
Number of Days to Update: 84

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 12/10/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/04/2020  
Date Data Arrived at EDR: 12/01/2020  
Date Made Active in Reports: 01/25/2021  
Number of Days to Update: 55

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 12/01/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Quarterly

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 10/03/2020  
Date Data Arrived at EDR: 10/06/2020  
Date Made Active in Reports: 01/04/2021  
Number of Days to Update: 90

Source: Environmental Protection Agency  
Telephone: 202-564-2280  
Last EDR Contact: 01/08/2021  
Next Scheduled EDR Contact: 04/19/2021  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 11/17/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 03/08/2021
	Data Release Frequency: Varies

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018	Source: Department of Defense
Date Data Arrived at EDR: 07/02/2020	Telephone: 703-704-1564
Date Made Active in Reports: 09/17/2020	Last EDR Contact: 01/15/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 04/26/2021
	Data Release Frequency: Varies

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/13/2020	Source: EPA
Date Data Arrived at EDR: 11/13/2020	Telephone: 800-385-6164
Date Made Active in Reports: 01/25/2021	Last EDR Contact: 11/13/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: Quarterly

## CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/22/2020	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 06/22/2020	Telephone: 916-323-3400
Date Made Active in Reports: 09/04/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

## CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 05/14/2019	Telephone: 925-454-2361
Date Made Active in Reports: 07/17/2019	Last EDR Contact: 11/13/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: Varies

## DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/06/2020  
Date Data Arrived at EDR: 08/28/2020  
Date Made Active in Reports: 11/17/2020  
Number of Days to Update: 81

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 11/23/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Annually

**DRYCLEAN AVAQMD:** Antelope Valley Air Quality Management District Drycleaner Listing  
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/25/2020  
Date Data Arrived at EDR: 08/26/2020  
Date Made Active in Reports: 11/13/2020  
Number of Days to Update: 79

Source: Antelope Valley Air Quality Management District  
Telephone: 661-723-8070  
Last EDR Contact: 11/23/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Varies

**DRYCLEAN SOUTH COAST:** South Coast Air Quality Management District Drycleaner Listing  
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/19/2020  
Date Data Arrived at EDR: 08/21/2020  
Date Made Active in Reports: 09/04/2020  
Number of Days to Update: 14

Source: South Coast Air Quality Management District  
Telephone: 909-396-3211  
Last EDR Contact: 11/16/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Varies

**EMI:** Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 06/16/2020  
Date Made Active in Reports: 08/28/2020  
Number of Days to Update: 73

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 12/18/2020  
Next Scheduled EDR Contact: 03/29/2021  
Data Release Frequency: Varies

**ENF:** Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 10/16/2020  
Date Data Arrived at EDR: 10/19/2020  
Date Made Active in Reports: 01/07/2021  
Number of Days to Update: 80

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 01/20/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

**Financial Assurance 1:** Financial Assurance Information Listing  
Financial Assurance information

Date of Government Version: 10/13/2020  
Date Data Arrived at EDR: 10/14/2020  
Date Made Active in Reports: 01/04/2021  
Number of Days to Update: 82

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 01/22/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

**Financial Assurance 2:** Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/05/2020  
Date Data Arrived at EDR: 08/05/2020  
Date Made Active in Reports: 10/23/2020  
Number of Days to Update: 79

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 11/04/2020  
Next Scheduled EDR Contact: 02/22/2021  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 04/15/2020	Telephone: 916-255-1136
Date Made Active in Reports: 07/02/2020	Last EDR Contact: 01/05/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Annually

## ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/17/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/17/2020	Telephone: 877-786-9427
Date Made Active in Reports: 11/05/2020	Last EDR Contact: 11/13/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: Quarterly

## HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/17/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/17/2020	Telephone: 916-323-3400
Date Made Active in Reports: 11/05/2020	Last EDR Contact: 11/13/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: Quarterly

## HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/05/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/06/2020	Telephone: 916-440-7145
Date Made Active in Reports: 12/23/2020	Last EDR Contact: 01/05/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Quarterly

## MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 09/08/2020	Telephone: 916-322-1080
Date Made Active in Reports: 11/30/2020	Last EDR Contact: 12/08/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/31/2020	Source: Department of Public Health
Date Data Arrived at EDR: 08/31/2020	Telephone: 916-558-1784
Date Made Active in Reports: 11/20/2020	Last EDR Contact: 12/01/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Varies

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/10/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/10/2020	Telephone: 916-445-9379
Date Made Active in Reports: 10/29/2020	Last EDR Contact: 11/09/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: Quarterly

## PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/31/2020	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 08/31/2020	Telephone: 916-445-4038
Date Made Active in Reports: 11/20/2020	Last EDR Contact: 12/01/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/15/2021
	Data Release Frequency: Quarterly

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 09/08/2020	Telephone: 916-323-3836
Date Made Active in Reports: 12/01/2020	Last EDR Contact: 12/08/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Quarterly

## NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/07/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/09/2020	Telephone: 916-445-3846
Date Made Active in Reports: 12/10/2020	Last EDR Contact: 12/07/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 03/29/2021
	Data Release Frequency: No Update Planned

## UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 09/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 09/08/2020	Telephone: 916-445-2408
Date Made Active in Reports: 12/01/2020	Last EDR Contact: 12/08/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resource Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019  
Date Data Arrived at EDR: 01/07/2020  
Date Made Active in Reports: 03/09/2020  
Number of Days to Update: 62

Source: RWQCB, Central Valley Region  
Telephone: 559-445-5577  
Last EDR Contact: 01/08/2021  
Next Scheduled EDR Contact: 04/19/2021  
Data Release Frequency: Varies

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007  
Date Data Arrived at EDR: 06/20/2007  
Date Made Active in Reports: 06/29/2007  
Number of Days to Update: 9

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 11/13/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: No Update Planned

## WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009  
Date Data Arrived at EDR: 07/21/2009  
Date Made Active in Reports: 08/03/2009  
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 12/15/2020  
Next Scheduled EDR Contact: 04/05/2021  
Data Release Frequency: No Update Planned

## MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 12/01/2020  
Number of Days to Update: 84

Source: State Water Resources Control Board  
Telephone: 916-341-5810  
Last EDR Contact: 12/08/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Quarterly

## CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/31/2020  
Date Data Arrived at EDR: 08/31/2020  
Date Made Active in Reports: 11/20/2020  
Number of Days to Update: 81

Source: State Water Resources Control Board  
Telephone: 866-794-4977  
Last EDR Contact: 12/01/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/19/2020  
Date Data Arrived at EDR: 10/19/2020  
Date Made Active in Reports: 01/07/2021  
Number of Days to Update: 80

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 01/20/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

## NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/08/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 11/30/2020  
Number of Days to Update: 83

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/04/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Varies

## PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011  
Date Data Arrived at EDR: 08/05/2011  
Date Made Active in Reports: 09/29/2011  
Number of Days to Update: 55

Source: EPA, Office of Water  
Telephone: 202-564-2496  
Last EDR Contact: 01/04/2021  
Next Scheduled EDR Contact: 04/19/2021  
Data Release Frequency: Semi-Annually

## PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 02/05/2015  
Date Made Active in Reports: 03/06/2015  
Number of Days to Update: 29

Source: EPA  
Telephone: 202-564-2497  
Last EDR Contact: 12/30/2020  
Next Scheduled EDR Contact: 04/19/2021  
Data Release Frequency: Varies

## HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 10/13/2020  
Date Data Arrived at EDR: 10/14/2020  
Date Made Active in Reports: 11/03/2020  
Number of Days to Update: 20

Source: Department of Toxic Substances Control  
Telephone: 916-324-2444  
Last EDR Contact: 01/19/2021  
Next Scheduled EDR Contact: 04/19/2021  
Data Release Frequency: Varies

## MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018  
Date Data Arrived at EDR: 10/21/2019  
Date Made Active in Reports: 10/24/2019  
Number of Days to Update: 3

Source: USGS  
Telephone: 703-648-6533  
Last EDR Contact: 11/25/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: Varies

## PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/05/2014  
Date Data Arrived at EDR: 01/06/2015  
Date Made Active in Reports: 05/06/2015  
Number of Days to Update: 120

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 01/04/2021  
Next Scheduled EDR Contact: 04/19/2021  
Data Release Frequency: Semi-Annually

## **EDR HIGH RISK HISTORICAL RECORDS**

### ***EDR Exclusive Records***

#### **EDR MGP: EDR Proprietary Manufactured Gas Plants**

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### **EDR Hist Auto: EDR Exclusive Historical Auto Stations**

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### **EDR Hist Cleaner: EDR Exclusive Historical Cleaners**

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## **EDR RECOVERED GOVERNMENT ARCHIVES**

### ***Exclusive Recovered Govt. Archives***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 01/11/2019	Telephone: 510-567-6700
Date Made Active in Reports: 03/05/2019	Last EDR Contact: 01/04/2021
Number of Days to Update: 53	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Semi-Annually

#### UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/01/2020	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 10/06/2020	Telephone: 510-567-6700
Date Made Active in Reports: 12/23/2020	Last EDR Contact: 01/04/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

#### CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 10/19/2020	Source: Amador County Environmental Health
Date Data Arrived at EDR: 10/22/2020	Telephone: 209-223-6439
Date Made Active in Reports: 01/12/2021	Last EDR Contact: 10/19/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 02/15/2021
	Data Release Frequency: Varies

### BUTTE COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA BUTTE: CUPA Facility Listing  
Cupa facility list.

Date of Government Version: 04/21/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 106

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 12/30/2020  
Next Scheduled EDR Contact: 04/19/2021  
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing  
Cupa Facility Listing

Date of Government Version: 12/15/2020  
Date Data Arrived at EDR: 12/16/2020  
Date Made Active in Reports: 12/24/2020  
Number of Days to Update: 8

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 12/15/2020  
Next Scheduled EDR Contact: 04/05/2021  
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List  
Cupa facility list.

Date of Government Version: 04/06/2020  
Date Data Arrived at EDR: 04/23/2020  
Date Made Active in Reports: 07/10/2020  
Number of Days to Update: 78

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/19/2020  
Date Data Arrived at EDR: 10/22/2020  
Date Made Active in Reports: 01/13/2021  
Number of Days to Update: 83

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 01/25/2021  
Next Scheduled EDR Contact: 05/10/2021  
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List  
Cupa Facility list

Date of Government Version: 06/08/2020  
Date Data Arrived at EDR: 08/13/2020  
Date Made Active in Reports: 10/22/2020  
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 01/25/2021  
Next Scheduled EDR Contact: 05/10/2021  
Data Release Frequency: Varies

EL DORADO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 10/22/2020  
Date Data Arrived at EDR: 11/03/2020  
Date Made Active in Reports: 01/20/2021  
Number of Days to Update: 78

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 01/25/2021  
Next Scheduled EDR Contact: 05/10/2021  
Data Release Frequency: Varies

## FRESNO COUNTY:

### CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/02/2020  
Date Data Arrived at EDR: 10/06/2020  
Date Made Active in Reports: 12/22/2020  
Number of Days to Update: 77

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 01/15/2021  
Next Scheduled EDR Contact: 04/12/2021  
Data Release Frequency: Semi-Annually

## GLENN COUNTY:

### CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District  
Telephone: 830-934-6500  
Last EDR Contact: 01/19/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: No Update Planned

## HUMBOLDT COUNTY:

### CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 08/13/2020  
Date Data Arrived at EDR: 08/17/2020  
Date Made Active in Reports: 11/05/2020  
Number of Days to Update: 80

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Semi-Annually

## IMPERIAL COUNTY:

### CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 10/14/2020  
Date Data Arrived at EDR: 10/15/2020  
Date Made Active in Reports: 01/05/2021  
Number of Days to Update: 82

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 01/19/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

## INYO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018  
Date Data Arrived at EDR: 04/03/2018  
Date Made Active in Reports: 06/14/2018  
Number of Days to Update: 72

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## KERN COUNTY:

### CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/29/2020  
Date Data Arrived at EDR: 10/30/2020  
Date Made Active in Reports: 01/15/2021  
Number of Days to Update: 77

Source: Kern County Public Health  
Telephone: 661-321-3000  
Last EDR Contact: 01/15/2021  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

### UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 07/28/2020  
Date Data Arrived at EDR: 07/30/2020  
Date Made Active in Reports: 10/14/2020  
Number of Days to Update: 76

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 01/19/2021  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Quarterly

## KINGS COUNTY:

### CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/11/2020  
Date Data Arrived at EDR: 05/12/2020  
Date Made Active in Reports: 07/27/2020  
Number of Days to Update: 76

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 01/25/2021  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## LAKE COUNTY:

### CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 08/13/2020  
Date Data Arrived at EDR: 08/13/2020  
Date Made Active in Reports: 10/23/2020  
Number of Days to Update: 71

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 01/11/2021  
Next Scheduled EDR Contact: 04/26/2021  
Data Release Frequency: Varies

## LASSEN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/31/2020  
Date Data Arrived at EDR: 08/21/2020  
Date Made Active in Reports: 11/09/2020  
Number of Days to Update: 80

Source: Lassen County Environmental Health  
Telephone: 530-251-8528  
Last EDR Contact: 01/19/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

## LOS ANGELES COUNTY:

### AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: N/A  
Telephone: N/A  
Last EDR Contact: 12/09/2020  
Next Scheduled EDR Contact: 03/29/2021  
Data Release Frequency: No Update Planned

### HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/19/2020  
Date Data Arrived at EDR: 10/20/2020  
Date Made Active in Reports: 01/12/2021  
Number of Days to Update: 84

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 01/04/2021  
Next Scheduled EDR Contact: 04/19/2021  
Data Release Frequency: Semi-Annually

### LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/09/2020  
Date Data Arrived at EDR: 10/09/2020  
Date Made Active in Reports: 12/29/2020  
Number of Days to Update: 81

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 01/12/2021  
Next Scheduled EDR Contact: 04/26/2021  
Data Release Frequency: Varies

### LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2019  
Date Data Arrived at EDR: 08/17/2020  
Date Made Active in Reports: 11/05/2020  
Number of Days to Update: 80

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 01/11/2021  
Next Scheduled EDR Contact: 04/26/2021  
Data Release Frequency: Varies

### LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019  
Date Data Arrived at EDR: 06/25/2019  
Date Made Active in Reports: 08/22/2019  
Number of Days to Update: 58

Source: Los Angeles Fire Department  
Telephone: 213-978-3800  
Last EDR Contact: 12/18/2020  
Next Scheduled EDR Contact: 04/05/2021  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 04/17/2019	Telephone: 626-458-6973
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 01/15/2021
Number of Days to Update: 42	Next Scheduled EDR Contact: 04/26/2021
	Data Release Frequency: No Update Planned

## LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 12/18/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Varies

## LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 12/18/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Varies

## SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 07/20/2020	Source: Community Health Services
Date Data Arrived at EDR: 10/09/2020	Telephone: 323-890-7806
Date Made Active in Reports: 12/29/2020	Last EDR Contact: 01/12/2021
Number of Days to Update: 81	Next Scheduled EDR Contact: 04/26/2021
	Data Release Frequency: Annually

## UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 10/07/2020
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: No Update Planned

## UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 01/19/2021
Number of Days to Update: 65	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST TORRANCE: City of Torrance Underground Storage Tank  
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 09/11/2020	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 10/07/2020	Telephone: 310-618-2973
Date Made Active in Reports: 12/23/2020	Last EDR Contact: 01/19/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020	Source: Madera County Environmental Health
Date Data Arrived at EDR: 08/12/2020	Telephone: 559-675-7823
Date Made Active in Reports: 10/23/2020	Last EDR Contact: 11/11/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites  
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 12/21/2020
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/12/2021
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List  
CUPA facility list.

Date of Government Version: 07/28/2020	Source: Merced County Environmental Health
Date Data Arrived at EDR: 07/30/2020	Telephone: 209-381-1094
Date Made Active in Reports: 07/31/2020	Last EDR Contact: 11/11/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List  
CUPA Facility List

Date of Government Version: 08/20/2020	Source: Mono County Health Department
Date Data Arrived at EDR: 08/24/2020	Telephone: 760-932-5580
Date Made Active in Reports: 11/09/2020	Last EDR Contact: 11/15/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 03/08/3021
	Data Release Frequency: Varies

MONTEREY COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA MONTEREY: CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/13/2020  
Date Data Arrived at EDR: 07/15/2020  
Date Made Active in Reports: 07/31/2020  
Number of Days to Update: 16

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 12/21/2020  
Next Scheduled EDR Contact: 04/12/2021  
Data Release Frequency: Varies

## NAPA COUNTY:

### LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017  
Date Data Arrived at EDR: 01/11/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 50

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 11/16/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: No Update Planned

### UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019  
Date Data Arrived at EDR: 09/09/2019  
Date Made Active in Reports: 10/31/2019  
Number of Days to Update: 52

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 11/16/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 10/26/2020  
Date Data Arrived at EDR: 10/28/2020  
Date Made Active in Reports: 01/15/2021  
Number of Days to Update: 79

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 01/25/2021  
Next Scheduled EDR Contact: 05/10/2021  
Data Release Frequency: Varies

## ORANGE COUNTY:

### IND\_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 09/01/2020  
Date Data Arrived at EDR: 11/05/2020  
Date Made Active in Reports: 01/26/2021  
Number of Days to Update: 82

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 11/02/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Annually

### LUST ORANGE: List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 09/01/2020  
Date Data Arrived at EDR: 11/06/2020  
Date Made Active in Reports: 01/26/2021  
Number of Days to Update: 81

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 11/02/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST ORANGE: List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 09/01/2020  
Date Data Arrived at EDR: 11/03/2020  
Date Made Active in Reports: 01/21/2021  
Number of Days to Update: 79

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 11/03/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Quarterly

## PLACER COUNTY:

### MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/24/2020  
Date Data Arrived at EDR: 11/24/2020  
Date Made Active in Reports: 11/25/2020  
Number of Days to Update: 1

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 11/23/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Semi-Annually

## PLUMAS COUNTY:

### CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019  
Date Data Arrived at EDR: 04/23/2019  
Date Made Active in Reports: 06/26/2019  
Number of Days to Update: 64

Source: Plumas County Environmental Health  
Telephone: 530-283-6355  
Last EDR Contact: 01/19/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

## RIVERSIDE COUNTY:

### LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/06/2020  
Date Data Arrived at EDR: 10/07/2020  
Date Made Active in Reports: 11/03/2020  
Number of Days to Update: 27

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 12/09/2020  
Next Scheduled EDR Contact: 03/29/2021  
Data Release Frequency: Quarterly

### UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/06/2020  
Date Data Arrived at EDR: 10/07/2020  
Date Made Active in Reports: 11/03/2020  
Number of Days to Update: 27

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 12/09/2020  
Next Scheduled EDR Contact: 03/29/2021  
Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2020  
Date Data Arrived at EDR: 03/31/2020  
Date Made Active in Reports: 06/15/2020  
Number of Days to Update: 76

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 12/30/2020  
Next Scheduled EDR Contact: 04/12/2021  
Data Release Frequency: Quarterly

## ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/24/2020  
Date Data Arrived at EDR: 03/31/2020  
Date Made Active in Reports: 06/17/2020  
Number of Days to Update: 78

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 12/30/2020  
Next Scheduled EDR Contact: 04/12/2021  
Data Release Frequency: Quarterly

## SAN BENITO COUNTY:

### CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 10/28/2020  
Date Data Arrived at EDR: 10/30/2020  
Date Made Active in Reports: 01/15/2021  
Number of Days to Update: 77

Source: San Benito County Environmental Health  
Telephone: N/A  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

## SAN BERNARDINO COUNTY:

### PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/04/2020  
Date Data Arrived at EDR: 08/05/2020  
Date Made Active in Reports: 10/26/2020  
Number of Days to Update: 82

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/31/2020  
Date Data Arrived at EDR: 08/31/2020  
Date Made Active in Reports: 11/23/2020  
Number of Days to Update: 84

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 12/01/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018  
Date Data Arrived at EDR: 04/24/2018  
Date Made Active in Reports: 06/19/2018  
Number of Days to Update: 56

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 01/19/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

## SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020  
Date Data Arrived at EDR: 07/16/2020  
Date Made Active in Reports: 09/29/2020  
Number of Days to Update: 75

Source: Department of Environmental Health  
Telephone: 858-505-6874  
Last EDR Contact: 01/19/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

## SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010  
Date Data Arrived at EDR: 06/15/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 11/23/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/03/2020  
Date Data Arrived at EDR: 08/05/2020  
Date Made Active in Reports: 10/22/2020  
Number of Days to Update: 78

Source: San Francisco County Department of Environmental Health  
Telephone: 415-252-3896  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

### LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 09/29/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: No Update Planned

### UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2020  
Date Data Arrived at EDR: 11/06/2020  
Date Made Active in Reports: 01/26/2021  
Number of Days to Update: 81

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018  
Date Data Arrived at EDR: 06/26/2018  
Date Made Active in Reports: 07/11/2018  
Number of Days to Update: 15

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 12/09/2020  
Next Scheduled EDR Contact: 03/29/2021  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

### CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 07/27/2020  
Date Data Arrived at EDR: 08/12/2020  
Date Made Active in Reports: 10/26/2020  
Number of Days to Update: 75

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## SAN MATEO COUNTY:

### BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020  
Date Data Arrived at EDR: 02/20/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 12/11/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Annually

### LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019  
Date Data Arrived at EDR: 03/29/2019  
Date Made Active in Reports: 05/29/2019  
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 12/01/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Semi-Annually

## SANTA BARBARA COUNTY:

### CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011  
Date Data Arrived at EDR: 09/09/2011  
Date Made Active in Reports: 10/07/2011  
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department  
Telephone: 805-686-8167  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: No Update Planned

## SANTA CLARA COUNTY:

### CUPA SANTA CLARA: Cupa Facility List Cupa facility list

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/20/2020  
Date Data Arrived at EDR: 08/20/2020  
Date Made Active in Reports: 11/09/2020  
Number of Days to Update: 81

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

## LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014  
Date Data Arrived at EDR: 03/05/2014  
Date Made Active in Reports: 03/18/2014  
Number of Days to Update: 13

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 11/16/2020  
Next Scheduled EDR Contact: 03/08/2021  
Data Release Frequency: No Update Planned

## SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020  
Date Data Arrived at EDR: 11/05/2020  
Date Made Active in Reports: 01/26/2021  
Number of Days to Update: 82

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA SANTA CRUZ: CUPA Facility List CUPA facility listing.

Date of Government Version: 01/21/2017  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 05/23/2017  
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017  
Date Data Arrived at EDR: 06/19/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 51

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 03/01/2021  
Data Release Frequency: Varies

## SOLANO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019  
Date Data Arrived at EDR: 06/06/2019  
Date Made Active in Reports: 08/13/2019  
Number of Days to Update: 68

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 06/03/2019  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Quarterly

## UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 08/25/2020  
Date Data Arrived at EDR: 08/26/2020  
Date Made Active in Reports: 09/16/2020  
Number of Days to Update: 21

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 12/03/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

### CUPA SONOMA: Cupa Facility List

Cupa Facility list

Date of Government Version: 12/15/2020  
Date Data Arrived at EDR: 12/16/2020  
Date Made Active in Reports: 12/23/2020  
Number of Days to Update: 7

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 12/15/2020  
Next Scheduled EDR Contact: 04/05/2021  
Data Release Frequency: Varies

### LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 09/18/2020  
Date Data Arrived at EDR: 09/22/2020  
Date Made Active in Reports: 12/14/2020  
Number of Days to Update: 83

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 12/15/2020  
Next Scheduled EDR Contact: 04/05/2021  
Data Release Frequency: Quarterly

## STANISLAUS COUNTY:

### CUPA STANISLAUS: CUPA Facility List

Cupa facility list

Date of Government Version: 10/01/2020  
Date Data Arrived at EDR: 10/06/2020  
Date Made Active in Reports: 12/22/2020  
Number of Days to Update: 77

Source: Stanislaus County Department of Environmental Protection  
Telephone: 209-525-6751  
Last EDR Contact: 01/11/2021  
Next Scheduled EDR Contact: 04/26/2021  
Data Release Frequency: Varies

## SUTTER COUNTY:

### UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 08/25/2020  
Date Data Arrived at EDR: 08/26/2020  
Date Made Active in Reports: 11/17/2020  
Number of Days to Update: 83

Source: Sutter County Environmental Health Services  
Telephone: 530-822-7500  
Last EDR Contact: 11/23/2020  
Next Scheduled EDR Contact: 03/15/2021  
Data Release Frequency: Semi-Annually

## TEHAMA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 08/11/2020  
Date Data Arrived at EDR: 08/12/2020  
Date Made Active in Reports: 10/26/2020  
Number of Days to Update: 75

Source: Tehama County Department of Environmental Health  
Telephone: 530-527-8020  
Last EDR Contact: 11/11/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

## TRINITY COUNTY:

### CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 10/14/2020  
Date Data Arrived at EDR: 10/15/2020  
Date Made Active in Reports: 01/05/2021  
Number of Days to Update: 82

Source: Department of Toxic Substances Control  
Telephone: 760-352-0381  
Last EDR Contact: 01/19/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

## TULARE COUNTY:

### CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 10/30/2020  
Date Data Arrived at EDR: 11/03/2020  
Date Made Active in Reports: 01/20/2021  
Number of Days to Update: 78

Source: Tulare County Environmental Health Services Division  
Telephone: 559-624-7400  
Last EDR Contact: 10/28/2020  
Next Scheduled EDR Contact: 02/15/2021  
Data Release Frequency: Varies

## TUOLUMNE COUNTY:

### CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018  
Date Data Arrived at EDR: 04/25/2018  
Date Made Active in Reports: 06/25/2018  
Number of Days to Update: 61

Source: Divison of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 01/19/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Varies

## VENTURA COUNTY:

### BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/28/2020  
Date Data Arrived at EDR: 10/22/2020  
Date Made Active in Reports: 01/12/2021  
Number of Days to Update: 82

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 01/19/2021  
Next Scheduled EDR Contact: 05/02/2021  
Data Release Frequency: Quarterly

### LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/01/2011  
Date Data Arrived at EDR: 12/01/2011  
Date Made Active in Reports: 01/19/2012  
Number of Days to Update: 49

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 12/21/2020  
Next Scheduled EDR Contact: 04/12/2021  
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites  
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008  
Date Data Arrived at EDR: 06/24/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 37

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 11/05/2020  
Next Scheduled EDR Contact: 02/22/2021  
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/28/2020  
Date Data Arrived at EDR: 10/22/2020  
Date Made Active in Reports: 01/12/2021  
Number of Days to Update: 82

Source: Ventura County Resource Management Agency  
Telephone: 805-654-2813  
Last EDR Contact: 01/20/2021  
Next Scheduled EDR Contact: 05/03/2021  
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/26/2020  
Date Data Arrived at EDR: 09/08/2020  
Date Made Active in Reports: 12/01/2020  
Number of Days to Update: 84

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 12/08/2020  
Next Scheduled EDR Contact: 03/22/2021  
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 12/21/2020  
Date Data Arrived at EDR: 12/23/2020  
Date Made Active in Reports: 01/04/2021  
Number of Days to Update: 32

Source: Yolo County Department of Health  
Telephone: 530-666-8646  
Last EDR Contact: 12/20/2020  
Next Scheduled EDR Contact: 04/11/2021  
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 08/06/2020  
Date Data Arrived at EDR: 08/07/2020  
Date Made Active in Reports: 10/26/2020  
Number of Days to Update: 80

Source: Yuba County Environmental Health Department  
Telephone: 530-749-7523  
Last EDR Contact: 01/25/2021  
Next Scheduled EDR Contact: 05/10/2021  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2020	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 10/20/2020	Telephone: 860-424-3375
Date Made Active in Reports: 11/02/2020	Last EDR Contact: 11/09/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: No Update Planned

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 01/08/2021
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Annually

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/29/2020	Telephone: 518-402-8651
Date Made Active in Reports: 07/10/2020	Last EDR Contact: 10/30/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 02/08/2021
	Data Release Frequency: Quarterly

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2019	Telephone: 717-783-8990
Date Made Active in Reports: 09/10/2019	Last EDR Contact: 01/11/2021
Number of Days to Update: 53	Next Scheduled EDR Contact: 04/26/2021
	Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018	Source: Department of Environmental Management
Date Data Arrived at EDR: 10/02/2019	Telephone: 401-222-2797
Date Made Active in Reports: 12/10/2019	Last EDR Contact: 11/11/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 03/01/2021
	Data Release Frequency: Annually

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/19/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 12/03/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/22/2021
	Data Release Frequency: Annually

### Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Electric Power Transmission Line Data

Source: Endeavor Business Media

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**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STREET AND ADDRESS INFORMATION

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**APPENDIX G**

**Noise Calculations Output Sheets**



**Monitoring Location: Site 1**  
**Monitoring Date: 01/26/2021**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
15:44:54	45.1	50.5	40.0
15:45:54	44.0	49.6	38.1
15:46:54	44.6	56.5	39.1
15:47:54	44.3	47.7	41.4
15:48:54	46.6	54.8	41.7
15:49:54	42.0	45.0	38.7
15:50:54	40.4	44.2	36.6
15:51:54	45.5	51.6	39.5
15:52:54	43.3	47.9	39.6
15:53:54	42.3	48.1	38.2
15:54:54	44.6	51.1	39.0
15:55:54	43.2	47.4	38.2
15:56:54	43.7	51.7	37.2
15:57:54	43.3	48.1	37.8
15:58:54	45.9	52.9	42.2
15:59:54	42.6	42.7	42.6



**15-minute LAeq**

**44.1**

**Monitoring Location: Site 2**  
**Monitoring Date: 01/26/2021**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
16:03:45	61.8	71.7	47.5
16:04:45	63.3	70.4	45.6
16:05:45	62.4	68.4	49.8
16:06:45	63.4	70.3	50.8
16:07:45	63.2	71.1	50.2
16:08:45	63.1	70.4	50.8
16:09:45	59.3	65.9	46.3
16:10:45	59.8	65.0	46.0
16:11:45	59.6	66.0	48.0
16:12:45	60.7	67.9	42.6
16:13:45	61.3	72.1	43.0
16:14:45	58.8	68.0	49.9
16:15:45	61.6	68.6	51.5
16:16:45	62.4	68.6	45.3
16:17:45	60.9	67.0	45.7
16:18:45	54.3	59.8	56.2



**15-minute LAeq**

**61.5**

**Monitoring Location: Site 3**  
**Monitoring Date: 01/26/2021**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
16:22:08	70.6	77.2	48.5
16:23:08	79.1	91.2	50.3
16:24:08	71.5	78.4	59.6
16:25:08	72.1	78.7	59.8
16:26:08	72.3	78.3	63.8
16:27:08	68.8	77.4	54.8
16:28:08	70.5	76.6	56.7
16:29:08	72.3	77.0	57.9
16:30:08	71.9	79.1	53.6
16:31:08	72.9	82.8	56.5
16:32:08	72.0	78.5	53.1
16:33:08	70.6	79.6	57.3
16:34:08	76.1	82.8	66.6
16:35:08	72.2	80.9	56.9
16:36:08	73.4	79.6	57.1
16:37:08	65.0	72.7	66.4



**15-minute LAeq**

**73.0**

**Monitoring Location: Site 4**  
**Monitoring Date: 01/26/2021**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
16:40:00	54.3	61.7	47.1
16:41:00	57.3	63.9	47.7
16:42:00	55.1	61.7	49.0
16:43:00	55.5	60.0	49.5
16:44:00	56.8	62.8	48.8
16:45:00	57.0	63.1	48.9
16:46:00	54.0	60.3	46.0
16:47:00	58.8	67.1	50.1
16:48:00	54.9	63.0	46.4
16:49:00	53.7	60.3	46.5
16:50:00	53.2	60.0	46.9
16:51:00	55.2	60.7	48.0
16:52:00	53.3	58.7	45.4
16:53:00	55.1	60.3	46.2
16:54:00	55.7	61.7	49.0
16:55:00	53.4	53.0	52.2

**15-minute LAeq**

**55.5**





Roadway Construction Noise Model (RCNM), Version 1.1

Report date #####

Case Description Demolition

---- Receptor #1 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
25 ft Refer	Commercial	55.5	55.5	55.5

Equipment

Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Concrete Saw	No	20		89.6	25	0
Dozer	No	40		81.7	25	0
Backhoe	No	40		77.6	25	0
Front End Loader	No	40		79.1	25	0
Tractor	No	40	84		25	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	95.6	88.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	87.7	83.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	83.6	79.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	85.1	81.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	90	86	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	95.6	92	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residential	Residential	44.1	44.1	44.1

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	45	0
Dozer	No	40		81.7	30	0
Backhoe	No	40		77.6	30	0
Front End Loader	No	40		79.1	30	0
Tractor	No	40	84		30	0

Equipment	Results													
	Calculated (dBA)				Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
	Day		Evening		Night		Day		Evening		Night			
*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	
Concrete Saw	90.5	83.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	86.1	82.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	82	78	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	83.5	79.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	88.4	84.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	90.5	89.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	61.5	61.5	61.5

Description	Impact Device	Usage(%)	Equipment			
			Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Concrete Saw	No	20		89.6	85	0
Dozer	No	40		81.7	85	0
Backhoe	No	40		77.6	85	0
Front End Loader	No	40		79.1	85	0
Tractor	No	40	84		85	0

Equipment	Results													
	Calculated (dBA)				Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
	Day		Evening		Night		Day		Evening		Night			
*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Concrete Saw	85	78	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	77.1	73.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	73	69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	79.4	75.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	85	81.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residential	Residential	73	73	73

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
			Concrete Saw	No	20	89.6
Dozer	No	40	81.7	100	0	
Backhoe	No	40	77.6	100	0	
Front End Loader	No	40	79.1	100	0	
Tractor	No	40	84	100	0	

Equipment	Results													
	Calculated (dBA)			Noise Limits (dBA)						Noise Limit Exceedance (dBA)				
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Concrete Saw	83.6	76.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	75.6	71.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	71.5	67.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	78	74	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	83.6	80	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report dat #####

Case Descr Grading

---- Receptor #1 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
25 ft Refer	Commerci	55.5	55.5	55.5

Equipment

Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Grader	No	40	85		25	0
Dozer	No	40		81.7	25	0
Backhoe	No	40		77.6	25	0
Front End Loader	No	40		79.1	25	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	91	87	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	87.7	83.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	83.6	79.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	85.1	81.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	91	89.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residential	Residential	44.1	44.1	44.1

Description	Impact	Device	Usage(%)	Equipment			Estimated Shielding (dBA)
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Grader	No		40	85		25	0
Dozer	No		40		81.7	25	0
Backhoe	No		40		77.6	25	0
Front End Loader	No		40		79.1	25	0

Equipment	Results															
	Calculated (dBA)				Noise Limits (dBA)				Noise Limit Exceedance (dBA)							
	*Lmax		Leq		Day		Evening		Night		Day		Evening		Night	
Grader	91	87	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	87.7	83.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	83.6	79.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	85.1	81.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	91	89.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residential	Residential	61.5	61.5	61.5

Description	Impact	Device	Usage(%)	Equipment			Estimated Shielding (dBA)
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Grader	No		40	85		85	0
Dozer	No		40		81.7	85	0
Backhoe	No		40		77.6	85	0
Front End Loader	No		40		79.1	85	0

Equipment	Results															
	Calculated (dBA)				Noise Limits (dBA)					Noise Limit Exceedance (dBA)						
	*Lmax		Leq		Day		Evening		Night		Day		Evening		Night	
Grader	80.4	76.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	77.1	73.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	73	69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	74.5	70.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	80.4	79.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.



---- Receptor #4 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	73	73	73

Description	Impact	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		100	0
Dozer	No	40		81.7	100	0
Backhoe	No	40		77.6	100	0
Front End Loader	No	40		79.1	100	0

Equipment	Results														
	Calculated (dBA)				Noise Limits (dBA)				Noise Limit Exceedance (dBA)						
	Day		Evening		Night		Day		Evening		Night				
*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	79	75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	75.6	71.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	71.5	67.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	79	77.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date #####

Case Description Building Construction/Renovation

---- Receptor #1 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
25 ft Refer	Commerci	55.5	55.5	55.5

Equipment

Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Crane	No	16		80.6	25	0
Forklift	No	40		85	25	0
Forklift	No	40		85	25	0
Generator	No	50		80.6	25	0
Backhoe	No	40		77.6	25	0
Welder / Torch	No	40		74	25	0
Welder / Torch	No	40		74	25	0
Welder / Torch	No	40		74	25	0
Compressor (air)	No	40		77.7	25	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	86.6	78.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Forklift	91	87	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Forklift	91	87	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	86.7	83.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	83.6	79.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	80	76	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	80	76	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	80	76	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compressor (air)	83.7	79.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	91	92.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	44.1	44.1	44.1

Description	Impact	Device	Usage(%)	Equipment			Estimated Shielding (dBA)
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Crane	No		16	80.6	100	0	
Forklift	No		40	85	30	0	
Forklift	No		40	85	30	0	
Generator	No		50	80.6	100	0	
Backhoe	No		40	77.6	30	0	
Welder / Torch	No		40	74	30	0	
Welder / Torch	No		40	74	30	0	
Welder / Torch	No		40	74	30	0	
Compressor (air)	No		40	77.7	30	0	

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	74.5	66.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Forklift	89.4	85.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Forklift	89.4	85.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	74.6	71.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	82	78	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	78.4	74.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	78.4	74.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	78.4	74.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compressor (air)	82.1	78.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	89.4	89.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	61.5	61.5	61.5

Description	Impact	Device	Usage(%)	Equipment			Estimated Shielding (dBA)
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Crane	No		16	80.6	85	0	
Forklift	No		40	85	85	0	
Forklift	No		40	85	85	0	
Generator	No		50	80.6	85	0	
Backhoe	No		40	77.6	85	0	
Welder / Torch	No		40	74	85	0	
Welder / Torch	No		40	74	85	0	
Welder / Torch	No		40	74	85	0	
Compressor (air)	No		40	77.7	85	0	

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	75.9	68	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Forklift	80.4	76.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Forklift	80.4	76.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	76	73	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	73	69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	69.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	69.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	69.4	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compressor (air)	73.1	69.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	80.4	81.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residential	Residential	73	73	73

Description	Impact	Device	Usage(%)	Equipment			Estimated Shielding (dBA)
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Crane	No		16	80.6	100	0	
Forklift	No		40	85	100	0	
Forklift	No		40	85	100	0	
Generator	No		50	80.6	100	0	
Backhoe	No		40	77.6	100	0	
Welder / Torch	No		40	74	100	0	
Welder / Torch	No		40	74	100	0	
Welder / Torch	No		40	74	100	0	
Compressor (air)	No		40	77.7	100	0	

Equipment	Results														
	Calculated (dBA)			Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day	Leq	Evening	Leq	Night	Leq	Day	Leq	Evening	Leq	Night	Leq	
Crane	74.5	66.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Forklift	79	75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Forklift	79	75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Generator	74.6	71.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Backhoe	71.5	67.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Welder / Torch	68	64	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Welder / Torch	68	64	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Welder / Torch	68	64	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Compressor (air)	71.6	67.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total	79	80.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date #####

Case Description Paving

---- Receptor #1 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
25 ft Refer	Commercial	55.5	55.5	55.5

Equipment

Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Drum Mixer	No	50		80	25	0
Paver	No	50		77.2	25	0
Paver	No	50		77.2	25	0
Roller	No	20		80	25	0
Roller	No	20		80	25	0
Backhoe	No	40		77.6	25	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Drum Mixer	86	83	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	83.2	80.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	83.2	80.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	86	79	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	86	79	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	83.6	79.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	86	88.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	44.1	44.1	44.1

Description	Impact Device	Usage(%)	Equipment			
			Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Drum Mixer	No	50		80	25	0
Paver	No	50		77.2	25	0
Paver	No	50		77.2	25	0
Roller	No	20		80	25	0
Roller	No	20		80	25	0
Backhoe	No	40		77.6	25	0

Equipment	Results													
	Calculated (dBA)			Noise Limits (dBA)						Noise Limit Exceedance (dBA)				
	*Lmax	Leq	Day	Evening	Night	Day	Evening	Night	Day	Evening	Night	Day	Evening	Night
Drum Mixer	86	83	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	83.2	80.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	83.2	80.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	86	79	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	86	79	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	83.6	79.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	86	88.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	61.5	61.5	61.5

Description	Impact	Device	Usage(%)	Equipment			Estimated Shielding (dBA)
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Drum Mixer	No		50		80	85	0
Paver	No		50		77.2	85	0
Paver	No		50		77.2	85	0
Roller	No		20		80	85	0
Roller	No		20		80	85	0
Backhoe	No		40		77.6	85	0

Equipment	Calculated (dBA)		Results						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Drum Mixer	75.4	72.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	72.6	69.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	72.6	69.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	75.4	68.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	75.4	68.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	73	69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	75.4	77.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.



---- Receptor #4 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	73	73	73

Description	Impact	Device	Usage(%)	Equipment			Estimated Shielding (dBA)
				Spec	Actual	Receptor	
				Lmax (dBA)	Lmax (dBA)	Distance (feet)	
Drum Mixer	No		50	80	100	0	
Paver	No		50	77.2	100	0	
Paver	No		50	77.2	100	0	
Roller	No		20	80	100	0	
Roller	No		20	80	100	0	
Backhoe	No		40	77.6	100	0	

Equipment	Calculated (dBA)		Results						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Drum Mixer	74	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	71.2	68.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Paver	71.2	68.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	74	67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	74	67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Backhoe	71.5	67.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	74	76.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.



**Landau Project  
Construction Vibration Model  
(25 feet)**

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	25	0.089	0.022	87
Jackhammer		1	0.035	25	0.035	0.009	79
Large bulldozer		1	0.089	25	0.089	0.022	87
Loaded trucks		1	0.076	25	0.076	0.019	86
Pile Drive (impact)		1	0.644	25	0.644	0.161	104
Vibratory Roller		1	0.210	25	0.210	0.053	94
Small bulldozer		1	0.003	25	0.003	0.001	58

**\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.**

**-Fragile Buildings- 0.20 in/sec**

Landau Project  
Construction Vibration Model  
(85 feet)

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	85	0.014	0.004	71
Jackhammer		1	0.035	85	0.006	0.001	63
Large bulldozer		1	0.089	85	0.014	0.004	71
Loaded trucks		1	0.076	85	0.012	0.003	70
Pile Drive (impact)		1	0.644	85	0.103	0.026	88
Vibratory Roller		1	0.210	85	0.033	0.008	78
Small bulldozer		1	0.003	85	0.000	0.000	42

\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.

-Fragile Buildings- 0.20 in/sec

**Landau Project  
Construction Vibration Model  
(100 feet)**

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	100	0.011	0.003	69
Jackhammer		1	0.035	100	0.004	0.001	61
Large bulldozer		1	0.089	100	0.011	0.003	69
Loaded trucks		1	0.076	100	0.010	0.002	68
Pile Drive (impact)		1	0.644	100	0.081	0.020	86
Vibratory Roller		1	0.210	100	0.026	0.007	76
Small bulldozer		1	0.003	100	0.000	0.000	39

\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.

-Fragile Buildings- 0.20 in/sec



**APPENDIX H**

**Tribal Cultural Resources**



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**APPENDIX H.1**

**AB 52 Tribal Consultation Notification Letters**

**Facilities  
Planning &  
Development**

*Julie Arthur, Executive Director*

February 24, 2022

Ms. Lacy Padilla, Archaeological Technician  
Agua Caliente Band of Cahuilla Indians  
5401 Dinah Shore Drive  
Palm Springs, CA 92264

**SUBJECT:** Formal Notification for the Landau Elementary School Modernization Project.  
**Notification of Consultation Opportunity**, pursuant to Public Resources Code Section 21080.3.1

**PROJECT:** Landau Elementary School Modernization

Dear Ms. Padilla,

The Palm Springs Unified School District (PSUSD) has proposed the Landau Elementary School Modernization Project (Project) and is providing written notice to the Agua Caliente Band of Cahuilla Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 10.65-acre existing elementary school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC Section 21080.3.1 (d).

**Project Location:** As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 30310 Landau Boulevard in the northern portion of the City. The campus is bound by 30th Avenue to the north, residential developments to the east, vacant land and The Salvation Army to the south, and Landau Boulevard to the west. Primary access to the campus is off of 30th Avenue. The Project site is situated towards the northern portion of the rectangular 10.65-acre lot. The Project site is currently developed with an existing school campus.

**Project Description:** PSUSD launched a long-range facility master planning initiative in 2017 in order to ensure safe and well-maintained school facilities with optimal learning environments in support of its



academic mission. As a result of the draft report, Landau Elementary School was identified as one of the schools requiring comprehensive modernization upgrades. A majority of the portable structures and the multipurpose building are classified as Category 4 – Poor condition. This category notes that modernization, upgrades, and replacements due to systems failures are a high priority at this time; major systems are failing and should be scheduled in the future. A few of the portable structures, the lunch shelter, and parking lot #2 are noted as Category 3 – Fair. This category indicates that modernization, upgrades, and replacements due to systems failures are a medium priority and should be scheduled in the future.

The campus also retains 15 portable classrooms, which would be replaced with a permanent classroom building with associated circulation, restrooms, and utility spaces.

The Project would involve demolition, new construction, building improvements and renovation, and hardscape improvements. Demolition of the portable facilities would take place at the school site to remove all portable structures. New construction of the permanent classroom building would take place towards the northern portion of the school campus. Modernization of the multipurpose building would take place towards the western edge of the campus. Hardscape improvement of the outdoor spaces will take place around the buildings, including the administrative building, multipurpose room, and classroom buildings on the school campus.

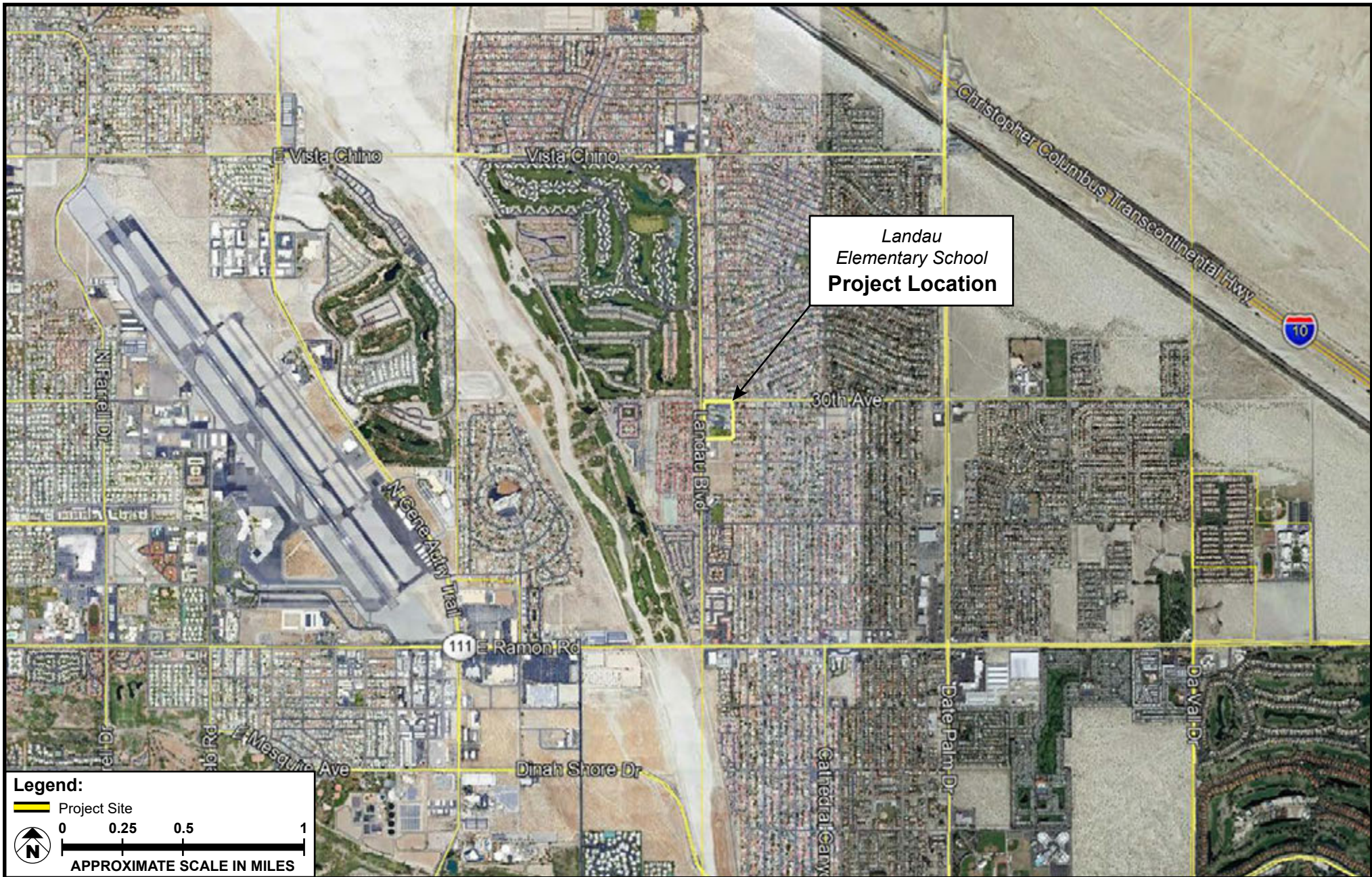
Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC Section 21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: [jarthur@psusd.us](mailto:jarthur@psusd.us)

Regards,



**Julie Arthur, Executive Director**  
Facilities Planning & Development



SOURCE: Google Earth - 2021; Meridian Consultants - 2021

FIGURE 1



SOURCE: Google Earth - 2021; Meridian Consultants, LLC - 2021

FIGURE 2

## Facilities Planning & Development

Julie Arthur, Executive Director

February 24, 2022

Mr. Thomas Tortez, Jr., Tribal Chairman  
Torres-Martinez Desert Cahuilla Indians  
6725 Martinez Road  
Thermal, CA 92274

**SUBJECT:** Formal Notification for the Landau Elementary School Modernization Project.  
**Notification of Consultation Opportunity**, pursuant to Public Resources Code Section 21080.3.1

**PROJECT:** Landau Elementary School Modernization

Dear Mr. Tortez, Jr.,

The Palm Springs Unified School District (PSUSD) has proposed the Landau Elementary School Modernization Project (Project) and is providing written notice to the Torres-Martinez Desert Cahuilla Indians Tribe in response to the Tribe's request for the notification of projects proposed within the District.

The proposed modernization is for an approximately 10.65-acre existing elementary school campus within Cathedral City (City). Below please find the description of the proposed Project, maps showing the project location and vicinity, and the name of our project point of contact, pursuant to PRC Section 21080.3.1 (d).

**Project Location:** As shown in **Figure 1: Regional Location Map** and **Figure 2: Project Location Map**, the proposed Project is located at 30310 Landau Boulevard in the central portion of the City. The campus is bound by 30th Avenue to the north, residential developments to the east, vacant land and The Salvation Army to the south, and Landau Boulevard to the west. Primary access to the campus is off of 30th Avenue. The Project Site is situated towards the northern portion of the rectangular 10.65-acre lot. The Project Site is currently developed with an existing school campus.

**Project Description:** PSUSD launched a long-range facility master planning initiative in 2017 in order to ensure safe and well-maintained school facilities with optimal learning environments in support of its academic mission. As a result of the draft report, Landau Elementary School was identified as one of the

schools requiring comprehensive modernization upgrades. A majority of the portable structures and the multipurpose building are classified as Category 4 – Poor condition. This category notes that modernization, upgrades, replacements due to systems failures are a high priority at this time; major systems are failing and should be scheduled in the future. A few of the portable structure, the lunch shelter, and parking lot #2 are noted as Category 3 – Fair. This category indicates that modernization, upgrades, and replacements due to systems failures are a medium priority and should be scheduled in the future.

The campus also retains 17 portable classrooms, which would be replaced with a permanent classroom building with associated circulation, restrooms, and utility spaces.

The Project would involve demolition, new construction, building improvements and renovation, and hardscape improvements. Demolition of the portable facilities would take place at the school site to remove all portable structures. New construction of the permanent classroom building would take place towards the northern portion of the school campus. Modernization of the multipurpose building would take place towards the western edge of the campus. Hardscape improvement of the outdoor spaces will take place around the buildings, including the administrative building, multipurpose room, and classroom buildings on the school campus.

Under California State Law, the proposed Project is subject to the California Environmental Quality Act (CEQA). PSUSD is currently preparing an Initial Study to evaluate the proposed Project's potential environmental impacts. As part of this effort, and to ensure that any potential Tribal Cultural Resources (TCRs) defined in PRC Section 21074 (a) (1-2) that may be of concern are identified, pursuant to PRC Section 21080.3.1 (b), the Tribe has 30 days from the receipt of this letter to request consultation, in writing, with PSUSD.

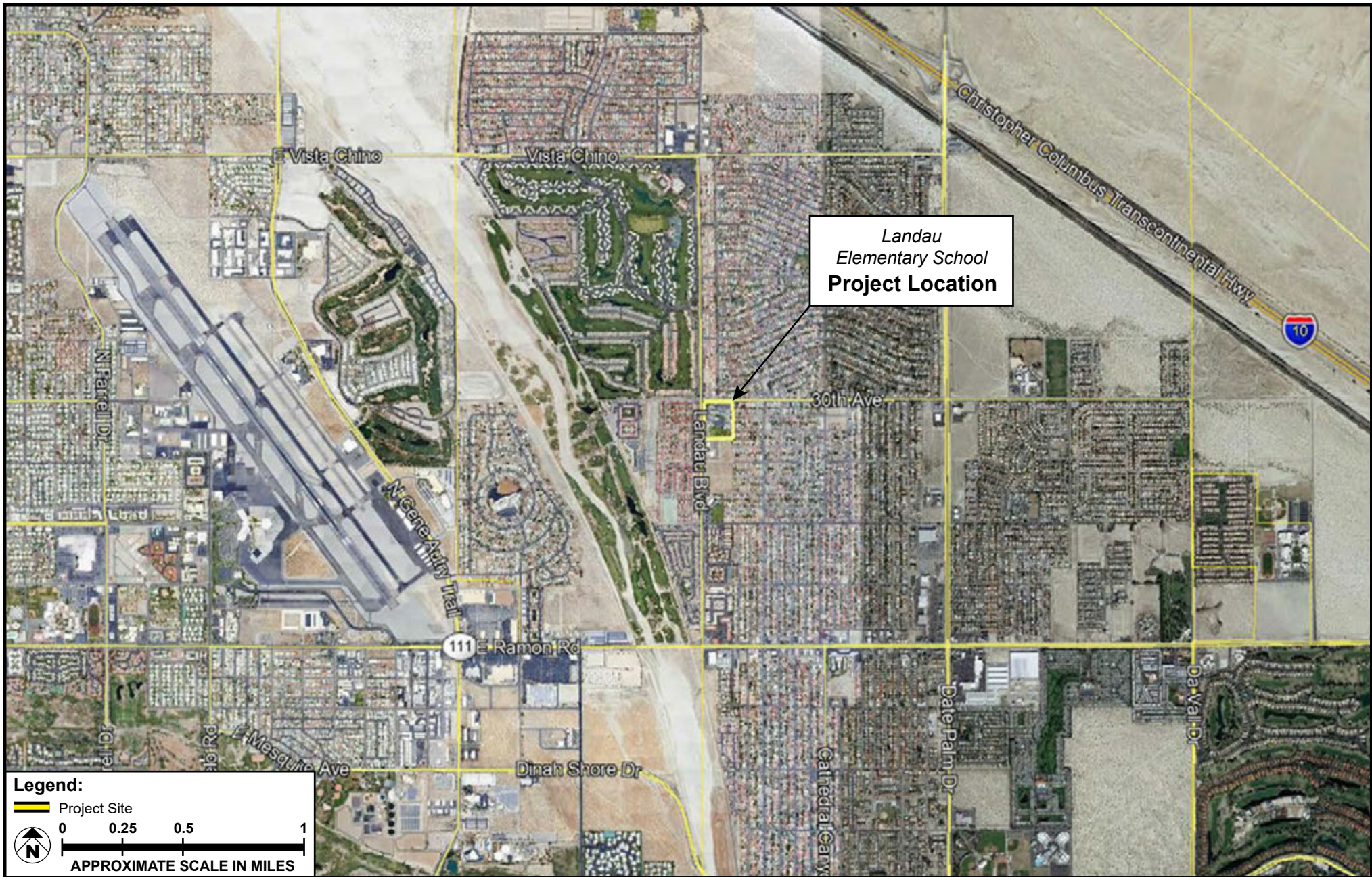
If there are any additional questions, please contact Julie Arthur at (760) 883-2710 or by email at: [jarthur@psusd.us](mailto:jarthur@psusd.us)

Regards,



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**Julie Arthur, Executive Director**  
Facilities Planning & Development



SOURCE: Google Earth - 2021; Meridian Consultants - 2021

FIGURE 1



SOURCE: Google Earth - 2021; Meridian Consultants, LLC - 2021

FIGURE 2



**APPENDIX H.2**

**Tribal Letter Responses**





03-052-2022-002

April 13, 2022

[VIA EMAIL TO:jarthur@psusd.us]  
Palm Springs Unified School District (PSUSD)  
Ms. Julie Arthur  
980 E Tahquitz Canyon Way, Suite 202  
Rancho Mirage, CA 92262

**Re: Landau Elementary School Modernization Project**

Dear Ms. Julie Arthur,

The Agua Caliente Band of Cahuilla Indians (ACBCI) appreciates your efforts to include the Tribal Historic Preservation Office (THPO) in the Landau Elementary School Modernization project. The project area is not located within the boundaries of the ACBCI Reservation. However, it is within the Tribe's Traditional Use Area. For this reason, the ACBCI THPO requests the following:

\*Copies of any cultural resource documentation (report and site records) generated in connection with this project.

Again, the Agua Caliente appreciates your interest in our cultural heritage. If you have questions or require additional information, please call me at (760)699-6956. You may also email me at ACBCI-THPO@aguacaliente.net.

Cordially,

Lacy Padilla  
Archaeologist  
Tribal Historic Preservation Office  
AGUA CALIENTE BAND  
OF CAHUILLA INDIANS