

## **APPENDIX B**

Air Quality CalEEMod Emission Calculation Output,  
RECON Environmental, Inc.

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Winter

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

**9295.16 Steeplechase Pump Station**

**Riverside-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	2.50	1000sqft	0.50	2,500.00	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/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 - Building - approx 2,500 sf

Site less than 0.5 acres

Construction Phase - 20 months

Grading -

Vehicle Trips - 1.5 trips/ksf

Stationary Sources - Emergency Generators and Fire Pumps -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1.00	4.00
tblConstructionPhase	NumDays	2.00	8.00
tblConstructionPhase	NumDays	100.00	384.00

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tblConstructionPhase	NumDays	5.00	19.00
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	PhaseEndDate	1/2/2023	1/5/2023
tblConstructionPhase	PhaseEndDate	1/4/2023	1/17/2023
tblConstructionPhase	PhaseEndDate	5/24/2023	7/8/2024
tblConstructionPhase	PhaseEndDate	5/31/2023	8/2/2024
tblConstructionPhase	PhaseEndDate	6/7/2023	8/30/2024
tblConstructionPhase	PhaseStartDate	1/3/2023	1/6/2023
tblConstructionPhase	PhaseStartDate	1/5/2023	1/18/2023
tblConstructionPhase	PhaseStartDate	5/25/2023	7/9/2024
tblConstructionPhase	PhaseStartDate	6/1/2023	8/5/2024
tblLandUse	LotAcreage	0.06	0.50
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	419.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	6.42	1.50
tblVehicleTrips	SU_TR	5.09	1.50
tblVehicleTrips	WD_TR	3.93	1.50

**2.0 Emissions Summary**

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9295.16 Steeplechase Pump Station - Riverside-South Coast County, Winter

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

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.9609	10.1976	7.1268	0.0148	5.4014	0.4205	5.8219	2.5923	0.3869	2.9791	0.0000	1,436.805 2	1,436.805 2	0.4432	1.9200e-003	1,448.458 3
2024	1.3395	5.9760	7.5315	0.0128	0.2012	0.2824	0.4450	0.0534	0.2598	0.2810	0.0000	1,193.186 1	1,193.186 1	0.3576	4.0100e-003	1,202.022 3
<b>Maximum</b>	<b>1.3395</b>	<b>10.1976</b>	<b>7.5315</b>	<b>0.0148</b>	<b>5.4014</b>	<b>0.4205</b>	<b>5.8219</b>	<b>2.5923</b>	<b>0.3869</b>	<b>2.9791</b>	<b>0.0000</b>	<b>1,436.805 2</b>	<b>1,436.805 2</b>	<b>0.4432</b>	<b>4.0100e-003</b>	<b>1,448.458 3</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.9609	10.1976	7.1268	0.0148	2.1611	0.4205	2.5816	1.0255	0.3869	1.4123	0.0000	1,436.805 2	1,436.805 2	0.4432	1.9200e-003	1,448.458 3
2024	1.3395	5.9760	7.5315	0.0128	0.2012	0.2824	0.4450	0.0534	0.2598	0.2810	0.0000	1,193.186 0	1,193.186 0	0.3576	4.0100e-003	1,202.022 3
<b>Maximum</b>	<b>1.3395</b>	<b>10.1976</b>	<b>7.5315</b>	<b>0.0148</b>	<b>2.1611</b>	<b>0.4205</b>	<b>2.5816</b>	<b>1.0255</b>	<b>0.3869</b>	<b>1.4123</b>	<b>0.0000</b>	<b>1,436.805 2</b>	<b>1,436.805 2</b>	<b>0.4432</b>	<b>4.0100e-003</b>	<b>1,448.458 3</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	0.00	0.00	0.00	0.00	57.84	0.00	51.71	59.22	0.00	48.06	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0559	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Energy	2.3900e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003		26.0516	26.0516	5.0000e-004	4.8000e-004	26.2064
Mobile	0.0114	0.0200	0.1252	3.2000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		32.3817	32.3817	1.5800e-003	1.5700e-003	32.8881
Stationary	0.6876	1.9218	1.7533	3.3000e-003		0.1012	0.1012		0.1012	0.1012		351.7564	351.7564	0.0493		352.9893
<b>Total</b>	<b>0.7572</b>	<b>1.9635</b>	<b>1.8969</b>	<b>3.7500e-003</b>	<b>0.0351</b>	<b>0.1031</b>	<b>0.1381</b>	<b>9.3600e-003</b>	<b>0.1030</b>	<b>0.1124</b>		<b>410.1902</b>	<b>410.1902</b>	<b>0.0514</b>	<b>2.0500e-003</b>	<b>412.0844</b>

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

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0559	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Energy	2.3900e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003		26.0516	26.0516	5.0000e-004	4.8000e-004	26.2064
Mobile	0.0114	0.0200	0.1252	3.2000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		32.3817	32.3817	1.5800e-003	1.5700e-003	32.8881
Stationary	0.6876	1.9218	1.7533	3.3000e-003		0.1012	0.1012		0.1012	0.1012		351.7564	351.7564	0.0493		352.9893
<b>Total</b>	<b>0.7572</b>	<b>1.9635</b>	<b>1.8969</b>	<b>3.7500e-003</b>	<b>0.0351</b>	<b>0.1031</b>	<b>0.1381</b>	<b>9.3600e-003</b>	<b>0.1030</b>	<b>0.1124</b>		<b>410.1902</b>	<b>410.1902</b>	<b>0.0514</b>	<b>2.0500e-003</b>	<b>412.0844</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2023	1/5/2023	5	4	
2	Grading	Grading	1/6/2023	1/17/2023	5	8	
3	Building Construction	Building Construction	1/18/2023	7/8/2024	5	384	
4	Paving	Paving	7/9/2024	8/2/2024	5	19	

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5	Architectural Coating	Architectural Coating	8/5/2024	8/30/2024	5	20
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**Acres of Grading (Site Preparation Phase): 2**

**Acres of Grading (Grading Phase): 6**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,750; Non-Residential Outdoor: 1,250; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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Building Construction	5	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5348	6.1887	3.9239	9.7300e-003		0.2266	0.2266		0.2084	0.2084		942.4317	942.4317	0.3048		950.0517
<b>Total</b>	<b>0.5348</b>	<b>6.1887</b>	<b>3.9239</b>	<b>9.7300e-003</b>	<b>0.5303</b>	<b>0.2266</b>	<b>0.7568</b>	<b>0.0573</b>	<b>0.2084</b>	<b>0.2657</b>		<b>942.4317</b>	<b>942.4317</b>	<b>0.3048</b>		<b>950.0517</b>



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**3.2 Site Preparation - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0171	0.0117	0.1486	4.5000e-004	0.0559	2.6000e-004	0.0562	0.0148	2.4000e-004	0.0151		45.0212	45.0212	1.1400e-003	1.2000e-003	45.4075
<b>Total</b>	<b>0.0171</b>	<b>0.0117</b>	<b>0.1486</b>	<b>4.5000e-004</b>	<b>0.0559</b>	<b>2.6000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.4000e-004</b>	<b>0.0151</b>		<b>45.0212</b>	<b>45.0212</b>	<b>1.1400e-003</b>	<b>1.2000e-003</b>	<b>45.4075</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.5348	6.1887	3.9239	9.7300e-003		0.2266	0.2266		0.2084	0.2084	0.0000	942.4317	942.4317	0.3048		950.0517
<b>Total</b>	<b>0.5348</b>	<b>6.1887</b>	<b>3.9239</b>	<b>9.7300e-003</b>	<b>0.2068</b>	<b>0.2266</b>	<b>0.4334</b>	<b>0.0223</b>	<b>0.2084</b>	<b>0.2308</b>	<b>0.0000</b>	<b>942.4317</b>	<b>942.4317</b>	<b>0.3048</b>		<b>950.0517</b>

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

**3.2 Site Preparation - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0171	0.0117	0.1486	4.5000e-004	0.0559	2.6000e-004	0.0562	0.0148	2.4000e-004	0.0151		45.0212	45.0212	1.1400e-003	1.2000e-003	45.4075
<b>Total</b>	<b>0.0171</b>	<b>0.0117</b>	<b>0.1486</b>	<b>4.5000e-004</b>	<b>0.0559</b>	<b>2.6000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.4000e-004</b>	<b>0.0151</b>		<b>45.0212</b>	<b>45.0212</b>	<b>1.1400e-003</b>	<b>1.2000e-003</b>	<b>45.4075</b>

**3.3 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865		1,364.7713	1,364.7713	0.4414		1,375.8062
<b>Total</b>	<b>0.9335</b>	<b>10.1789</b>	<b>5.5516</b>	<b>0.0141</b>	<b>5.3119</b>	<b>0.4201</b>	<b>5.7320</b>	<b>2.5686</b>	<b>0.3865</b>	<b>2.9550</b>		<b>1,364.7713</b>	<b>1,364.7713</b>	<b>0.4414</b>		<b>1,375.8062</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 Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0274	0.0187	0.2377	7.1000e-004	0.0894	4.2000e-004	0.0898	0.0237	3.8000e-004	0.0241		72.0339	72.0339	1.8300e-003	1.9200e-003	72.6521
<b>Total</b>	<b>0.0274</b>	<b>0.0187</b>	<b>0.2377</b>	<b>7.1000e-004</b>	<b>0.0894</b>	<b>4.2000e-004</b>	<b>0.0898</b>	<b>0.0237</b>	<b>3.8000e-004</b>	<b>0.0241</b>		<b>72.0339</b>	<b>72.0339</b>	<b>1.8300e-003</b>	<b>1.9200e-003</b>	<b>72.6521</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0717	0.0000	2.0717	1.0017	0.0000	1.0017			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865	0.0000	1,364.7713	1,364.7713	0.4414		1,375.8062
<b>Total</b>	<b>0.9335</b>	<b>10.1789</b>	<b>5.5516</b>	<b>0.0141</b>	<b>2.0717</b>	<b>0.4201</b>	<b>2.4918</b>	<b>1.0017</b>	<b>0.3865</b>	<b>1.3882</b>	<b>0.0000</b>	<b>1,364.7713</b>	<b>1,364.7713</b>	<b>0.4414</b>		<b>1,375.8062</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 Grading - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0274	0.0187	0.2377	7.1000e-004	0.0894	4.2000e-004	0.0898	0.0237	3.8000e-004	0.0241		72.0339	72.0339	1.8300e-003	1.9200e-003	72.6521
<b>Total</b>	<b>0.0274</b>	<b>0.0187</b>	<b>0.2377</b>	<b>7.1000e-004</b>	<b>0.0894</b>	<b>4.2000e-004</b>	<b>0.0898</b>	<b>0.0237</b>	<b>3.8000e-004</b>	<b>0.0241</b>		<b>72.0339</b>	<b>72.0339</b>	<b>1.8300e-003</b>	<b>1.9200e-003</b>	<b>72.6521</b>

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946		1,104.6089	1,104.6089	0.3573		1,113.5402
<b>Total</b>	<b>0.6322</b>	<b>6.4186</b>	<b>7.0970</b>	<b>0.0114</b>		<b>0.3203</b>	<b>0.3203</b>		<b>0.2946</b>	<b>0.2946</b>		<b>1,104.6089</b>	<b>1,104.6089</b>	<b>0.3573</b>		<b>1,113.5402</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Winter

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

**3.4 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4200e-003	2.3400e-003	0.0297	9.0000e-005	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		9.0042	9.0042	2.3000e-004	2.4000e-004	9.0815
<b>Total</b>	<b>3.4200e-003</b>	<b>2.3400e-003</b>	<b>0.0297</b>	<b>9.0000e-005</b>	<b>0.0112</b>	<b>5.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>5.0000e-005</b>	<b>3.0100e-003</b>		<b>9.0042</b>	<b>9.0042</b>	<b>2.3000e-004</b>	<b>2.4000e-004</b>	<b>9.0815</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946	0.0000	1,104.6089	1,104.6089	0.3573		1,113.5402
<b>Total</b>	<b>0.6322</b>	<b>6.4186</b>	<b>7.0970</b>	<b>0.0114</b>		<b>0.3203</b>	<b>0.3203</b>		<b>0.2946</b>	<b>0.2946</b>	<b>0.0000</b>	<b>1,104.6089</b>	<b>1,104.6089</b>	<b>0.3573</b>		<b>1,113.5402</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Winter

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

**3.4 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4200e-003	2.3400e-003	0.0297	9.0000e-005	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		9.0042	9.0042	2.3000e-004	2.4000e-004	9.0815
<b>Total</b>	<b>3.4200e-003</b>	<b>2.3400e-003</b>	<b>0.0297</b>	<b>9.0000e-005</b>	<b>0.0112</b>	<b>5.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>5.0000e-005</b>	<b>3.0100e-003</b>		<b>9.0042</b>	<b>9.0042</b>	<b>2.3000e-004</b>	<b>2.4000e-004</b>	<b>9.0815</b>

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5950	5.9739	7.0675	0.0114		0.2824	0.2824		0.2598	0.2598		1,104.9834	1,104.9834	0.3574		1,113.9177
<b>Total</b>	<b>0.5950</b>	<b>5.9739</b>	<b>7.0675</b>	<b>0.0114</b>		<b>0.2824</b>	<b>0.2824</b>		<b>0.2598</b>	<b>0.2598</b>		<b>1,104.9834</b>	<b>1,104.9834</b>	<b>0.3574</b>		<b>1,113.9177</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Winter

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

**3.4 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.0800e-003	0.0278	9.0000e-005	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		8.7193	8.7193	2.1000e-004	2.2000e-004	8.7909
<b>Total</b>	<b>3.2000e-003</b>	<b>2.0800e-003</b>	<b>0.0278</b>	<b>9.0000e-005</b>	<b>0.0112</b>	<b>5.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>5.0000e-005</b>	<b>3.0100e-003</b>		<b>8.7193</b>	<b>8.7193</b>	<b>2.1000e-004</b>	<b>2.2000e-004</b>	<b>8.7909</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5950	5.9739	7.0675	0.0114		0.2824	0.2824		0.2598	0.2598	0.0000	1,104.9834	1,104.9834	0.3574		1,113.9177
<b>Total</b>	<b>0.5950</b>	<b>5.9739</b>	<b>7.0675</b>	<b>0.0114</b>		<b>0.2824</b>	<b>0.2824</b>		<b>0.2598</b>	<b>0.2598</b>	<b>0.0000</b>	<b>1,104.9834</b>	<b>1,104.9834</b>	<b>0.3574</b>		<b>1,113.9177</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Winter

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

**3.4 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.0800e-003	0.0278	9.0000e-005	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		8.7193	8.7193	2.1000e-004	2.2000e-004	8.7909
<b>Total</b>	<b>3.2000e-003</b>	<b>2.0800e-003</b>	<b>0.0278</b>	<b>9.0000e-005</b>	<b>0.0112</b>	<b>5.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>5.0000e-005</b>	<b>3.0100e-003</b>		<b>8.7193</b>	<b>8.7193</b>	<b>2.1000e-004</b>	<b>2.2000e-004</b>	<b>8.7909</b>

**3.5 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5904</b>	<b>5.2297</b>	<b>7.0314</b>	<b>0.0113</b>		<b>0.2429</b>	<b>0.2429</b>		<b>0.2269</b>	<b>0.2269</b>		<b>1,036.2393</b>	<b>1,036.2393</b>	<b>0.3019</b>		<b>1,043.7858</b>



9295.16 Steeplechase Pump Station - Riverside-South Coast County, Winter

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

**3.5 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0576	0.0375	0.5001	1.5500e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365
<b>Total</b>	<b>0.0576</b>	<b>0.0375</b>	<b>0.5001</b>	<b>1.5500e-003</b>	<b>0.2012</b>	<b>9.0000e-004</b>	<b>0.2021</b>	<b>0.0534</b>	<b>8.3000e-004</b>	<b>0.0542</b>		<b>156.9468</b>	<b>156.9468</b>	<b>3.7400e-003</b>	<b>4.0100e-003</b>	<b>158.2365</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5904</b>	<b>5.2297</b>	<b>7.0314</b>	<b>0.0113</b>		<b>0.2429</b>	<b>0.2429</b>		<b>0.2269</b>	<b>0.2269</b>	<b>0.0000</b>	<b>1,036.2393</b>	<b>1,036.2393</b>	<b>0.3019</b>		<b>1,043.7858</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Winter

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

**3.5 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0576	0.0375	0.5001	1.5500e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365
<b>Total</b>	<b>0.0576</b>	<b>0.0375</b>	<b>0.5001</b>	<b>1.5500e-003</b>	<b>0.2012</b>	<b>9.0000e-004</b>	<b>0.2021</b>	<b>0.0534</b>	<b>8.3000e-004</b>	<b>0.0542</b>		<b>156.9468</b>	<b>156.9468</b>	<b>3.7400e-003</b>	<b>4.0100e-003</b>	<b>158.2365</b>

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.1588					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>1.3395</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>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Winter

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

**3.6 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000	0.0000	0.0000	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>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.1588					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>1.3395</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>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Winter

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

**3.6 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000	0.0000	0.0000	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>

9295.16 Steeplechase Pump Station - Riverside-South Coast 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					
Mitigated	0.0114	0.0200	0.1252	3.2000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		32.3817	32.3817	1.5800e-003	1.5700e-003	32.8881
Unmitigated	0.0114	0.0200	0.1252	3.2000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		32.3817	32.3817	1.5800e-003	1.5700e-003	32.8881

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	3.75	3.75	3.75	16,606	16,606
Total	3.75	3.75	3.75	16,606	16,606

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	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

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Winter

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.3900e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003		26.0516	26.0516	5.0000e-004	4.8000e-004	26.2064
NaturalGas Unmitigated	2.3900e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003		26.0516	26.0516	5.0000e-004	4.8000e-004	26.2064

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	221.438	2.3900e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003		26.0516	26.0516	5.0000e-004	4.8000e-004	26.2064
<b>Total</b>		<b>2.3900e-003</b>	<b>0.0217</b>	<b>0.0182</b>	<b>1.3000e-004</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>		<b>26.0516</b>	<b>26.0516</b>	<b>5.0000e-004</b>	<b>4.8000e-004</b>	<b>26.2064</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast 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 - Natural Gas**

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day											lb/day				
General Heavy Industry	0.221438	2.3900e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003		26.0516	26.0516	5.0000e-004	4.8000e-004	26.2064
<b>Total</b>		<b>2.3900e-003</b>	<b>0.0217</b>	<b>0.0182</b>	<b>1.3000e-004</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>		<b>26.0516</b>	<b>26.0516</b>	<b>5.0000e-004</b>	<b>4.8000e-004</b>	<b>26.2064</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Mitigated	0.0559	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Unmitigated	0.0559	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004

9295.16 Steeplechase Pump Station - Riverside-South Coast 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**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.3500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0495					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		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
<b>Total</b>	<b>0.0559</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>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>		<b>5.8000e-004</b>



9295.16 Steeplechase Pump Station - Riverside-South Coast 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**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.3500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0495					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		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
<b>Total</b>	<b>0.0559</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>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>		<b>5.8000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**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

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Winter

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	419	0.73	Diesel

**Boilers**

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

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (300 - 600 HP)	0.6876	1.9218	1.7533	3.3000e-003		0.1012	0.1012		0.1012	0.1012		351.7564	351.7564	0.0493		352.9893
<b>Total</b>	<b>0.6876</b>	<b>1.9218</b>	<b>1.7533</b>	<b>3.3000e-003</b>		<b>0.1012</b>	<b>0.1012</b>		<b>0.1012</b>	<b>0.1012</b>		<b>351.7564</b>	<b>351.7564</b>	<b>0.0493</b>		<b>352.9893</b>

**11.0 Vegetation**

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9295.16 Steeplechase Pump Station - Riverside-South Coast County, Annual

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

**9295.16 Steeplechase Pump Station**

**Riverside-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	2.50	1000sqft	0.50	2,500.00	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/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 - Building - approx 2,500 sf

Site less than 0.5 acres

Construction Phase - 20 months

Grading -

Vehicle Trips - 1.5 trips/ksf

Stationary Sources - Emergency Generators and Fire Pumps -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1.00	4.00
tblConstructionPhase	NumDays	2.00	8.00
tblConstructionPhase	NumDays	100.00	384.00

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

tblConstructionPhase	NumDays	5.00	19.00
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	PhaseEndDate	1/2/2023	1/5/2023
tblConstructionPhase	PhaseEndDate	1/4/2023	1/17/2023
tblConstructionPhase	PhaseEndDate	5/24/2023	7/8/2024
tblConstructionPhase	PhaseEndDate	5/31/2023	8/2/2024
tblConstructionPhase	PhaseEndDate	6/7/2023	8/30/2024
tblConstructionPhase	PhaseStartDate	1/3/2023	1/6/2023
tblConstructionPhase	PhaseStartDate	1/5/2023	1/18/2023
tblConstructionPhase	PhaseStartDate	5/25/2023	7/9/2024
tblConstructionPhase	PhaseStartDate	6/1/2023	8/5/2024
tblLandUse	LotAcreage	0.06	0.50
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	419.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	6.42	1.50
tblVehicleTrips	SU_TR	5.09	1.50
tblVehicleTrips	WD_TR	3.93	1.50

**2.0 Emissions Summary**

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9295.16 Steeplechase Pump Station - Riverside-South Coast County, Annual

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

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0837	0.8494	0.9153	1.5100e-003	0.0241	0.0419	0.0660	0.0109	0.0385	0.0494	0.0000	132.3083	132.3083	0.0424	4.0000e-005	133.3787
2024	0.0602	0.4686	0.5725	9.3000e-004	2.6300e-003	0.0221	0.0248	7.0000e-004	0.0204	0.0211	0.0000	81.5831	81.5831	0.0248	5.0000e-005	82.2187
<b>Maximum</b>	<b>0.0837</b>	<b>0.8494</b>	<b>0.9153</b>	<b>1.5100e-003</b>	<b>0.0241</b>	<b>0.0419</b>	<b>0.0660</b>	<b>0.0109</b>	<b>0.0385</b>	<b>0.0494</b>	<b>0.0000</b>	<b>132.3083</b>	<b>132.3083</b>	<b>0.0424</b>	<b>5.0000e-005</b>	<b>133.3787</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0837	0.8494	0.9153	1.5100e-003	0.0105	0.0419	0.0524	4.5400e-003	0.0385	0.0430	0.0000	132.3081	132.3081	0.0424	4.0000e-005	133.3785
2024	0.0602	0.4686	0.5725	9.3000e-004	2.6300e-003	0.0221	0.0248	7.0000e-004	0.0204	0.0211	0.0000	81.5830	81.5830	0.0248	5.0000e-005	82.2186
<b>Maximum</b>	<b>0.0837</b>	<b>0.8494</b>	<b>0.9153</b>	<b>1.5100e-003</b>	<b>0.0105</b>	<b>0.0419</b>	<b>0.0524</b>	<b>4.5400e-003</b>	<b>0.0385</b>	<b>0.0430</b>	<b>0.0000</b>	<b>132.3081</b>	<b>132.3081</b>	<b>0.0424</b>	<b>5.0000e-005</b>	<b>133.3785</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	0.00	0.00	0.00	0.00	50.86	0.00	15.00	54.71	0.00	8.99	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2023	4-1-2023	0.2440	0.2440
2	4-2-2023	7-1-2023	0.2293	0.2293
3	7-2-2023	10-1-2023	0.2319	0.2319
4	10-2-2023	1-1-2024	0.2317	0.2317
5	1-2-2024	4-1-2024	0.2137	0.2137
6	4-2-2024	7-1-2024	0.2137	0.2137
7	7-2-2024	9-30-2024	0.0930	0.0930
		Highest	0.2440	0.2440

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0102	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
Energy	4.4000e-004	3.9600e-003	3.3300e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	8.7113	8.7113	4.5000e-004	1.2000e-004	8.7596
Mobile	2.0900e-003	3.6600e-003	0.0236	6.0000e-005	6.2800e-003	5.0000e-005	6.3300e-003	1.6800e-003	4.0000e-005	1.7200e-003	0.0000	5.4318	5.4318	2.6000e-004	2.6000e-004	5.5159
Stationary	0.0172	0.0481	0.0438	8.0000e-005		2.5300e-003	2.5300e-003		2.5300e-003	2.5300e-003	0.0000	7.9777	7.9777	1.1200e-003	0.0000	8.0057
Waste						0.0000	0.0000		0.0000	0.0000	0.6293	0.0000	0.6293	0.0372	0.0000	1.5590
Water						0.0000	0.0000		0.0000	0.0000	0.1834	1.3350	1.5184	0.0190	4.6000e-004	2.1288
<b>Total</b>	<b>0.0299</b>	<b>0.0557</b>	<b>0.0708</b>	<b>1.6000e-004</b>	<b>6.2800e-003</b>	<b>2.8800e-003</b>	<b>9.1600e-003</b>	<b>1.6800e-003</b>	<b>2.8700e-003</b>	<b>4.5500e-003</b>	<b>0.8127</b>	<b>23.4559</b>	<b>24.2686</b>	<b>0.0580</b>	<b>8.4000e-004</b>	<b>25.9690</b>

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

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0102	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
Energy	4.4000e-004	3.9600e-003	3.3300e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	8.7113	8.7113	4.5000e-004	1.2000e-004	8.7596
Mobile	2.0900e-003	3.6600e-003	0.0236	6.0000e-005	6.2800e-003	5.0000e-005	6.3300e-003	1.6800e-003	4.0000e-005	1.7200e-003	0.0000	5.4318	5.4318	2.6000e-004	2.6000e-004	5.5159
Stationary	0.0172	0.0481	0.0438	8.0000e-005		2.5300e-003	2.5300e-003		2.5300e-003	2.5300e-003	0.0000	7.9777	7.9777	1.1200e-003	0.0000	8.0057
Waste						0.0000	0.0000		0.0000	0.0000	0.6293	0.0000	0.6293	0.0372	0.0000	1.5590
Water						0.0000	0.0000		0.0000	0.0000	0.1834	1.3350	1.5184	0.0190	4.6000e-004	2.1288
<b>Total</b>	<b>0.0299</b>	<b>0.0557</b>	<b>0.0708</b>	<b>1.6000e-004</b>	<b>6.2800e-003</b>	<b>2.8800e-003</b>	<b>9.1600e-003</b>	<b>1.6800e-003</b>	<b>2.8700e-003</b>	<b>4.5500e-003</b>	<b>0.8127</b>	<b>23.4559</b>	<b>24.2686</b>	<b>0.0580</b>	<b>8.4000e-004</b>	<b>25.9690</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2023	1/5/2023	5	4	
2	Grading	Grading	1/6/2023	1/17/2023	5	8	



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

3	Building Construction	Building Construction	1/18/2023	7/8/2024	5	384
4	Paving	Paving	7/9/2024	8/2/2024	5	19
5	Architectural Coating	Architectural Coating	8/5/2024	8/30/2024	5	20

**Acres of Grading (Site Preparation Phase): 2**

**Acres of Grading (Grading Phase): 6**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,750; Non-Residential Outdoor: 1,250; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

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

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0600e-003	0.0000	1.0600e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0700e-003	0.0124	7.8500e-003	2.0000e-005		4.5000e-004	4.5000e-004		4.2000e-004	4.2000e-004	0.0000	1.7099	1.7099	5.5000e-004	0.0000	1.7237
<b>Total</b>	<b>1.0700e-003</b>	<b>0.0124</b>	<b>7.8500e-003</b>	<b>2.0000e-005</b>	<b>1.0600e-003</b>	<b>4.5000e-004</b>	<b>1.5100e-003</b>	<b>1.1000e-004</b>	<b>4.2000e-004</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.7099</b>	<b>1.7099</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>1.7237</b>

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

**3.2 Site Preparation - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	3.1000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0836	0.0836	0.0000	0.0000	0.0843
<b>Total</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0836</b>	<b>0.0836</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0843</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0700e-003	0.0124	7.8500e-003	2.0000e-005		4.5000e-004	4.5000e-004		4.2000e-004	4.2000e-004	0.0000	1.7099	1.7099	5.5000e-004	0.0000	1.7237
<b>Total</b>	<b>1.0700e-003</b>	<b>0.0124</b>	<b>7.8500e-003</b>	<b>2.0000e-005</b>	<b>4.1000e-004</b>	<b>4.5000e-004</b>	<b>8.6000e-004</b>	<b>4.0000e-005</b>	<b>4.2000e-004</b>	<b>4.6000e-004</b>	<b>0.0000</b>	<b>1.7099</b>	<b>1.7099</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>1.7237</b>

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

**3.2 Site Preparation - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	3.1000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0836	0.0836	0.0000	0.0000	0.0843
<b>Total</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0836</b>	<b>0.0836</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0843</b>

**3.3 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0213	0.0000	0.0213	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7300e-003	0.0407	0.0222	6.0000e-005		1.6800e-003	1.6800e-003		1.5500e-003	1.5500e-003	0.0000	4.9524	4.9524	1.6000e-003	0.0000	4.9924
<b>Total</b>	<b>3.7300e-003</b>	<b>0.0407</b>	<b>0.0222</b>	<b>6.0000e-005</b>	<b>0.0213</b>	<b>1.6800e-003</b>	<b>0.0229</b>	<b>0.0103</b>	<b>1.5500e-003</b>	<b>0.0118</b>	<b>0.0000</b>	<b>4.9524</b>	<b>4.9524</b>	<b>1.6000e-003</b>	<b>0.0000</b>	<b>4.9924</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 Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	8.0000e-005	1.0000e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2675	0.2675	1.0000e-005	1.0000e-005	0.2698
<b>Total</b>	<b>1.0000e-004</b>	<b>8.0000e-005</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>3.5000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.2675</b>	<b>0.2675</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2698</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.2900e-003	0.0000	8.2900e-003	4.0100e-003	0.0000	4.0100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7300e-003	0.0407	0.0222	6.0000e-005		1.6800e-003	1.6800e-003		1.5500e-003	1.5500e-003	0.0000	4.9524	4.9524	1.6000e-003	0.0000	4.9924
<b>Total</b>	<b>3.7300e-003</b>	<b>0.0407</b>	<b>0.0222</b>	<b>6.0000e-005</b>	<b>8.2900e-003</b>	<b>1.6800e-003</b>	<b>9.9700e-003</b>	<b>4.0100e-003</b>	<b>1.5500e-003</b>	<b>5.5600e-003</b>	<b>0.0000</b>	<b>4.9524</b>	<b>4.9524</b>	<b>1.6000e-003</b>	<b>0.0000</b>	<b>4.9924</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 Grading - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	8.0000e-005	1.0000e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2675	0.2675	1.0000e-005	1.0000e-005	0.2698
<b>Total</b>	<b>1.0000e-004</b>	<b>8.0000e-005</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>3.5000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.2675</b>	<b>0.2675</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2698</b>

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0784	0.7959	0.8800	1.4100e-003		0.0397	0.0397		0.0365	0.0365	0.0000	124.2585	124.2585	0.0402	0.0000	125.2632
<b>Total</b>	<b>0.0784</b>	<b>0.7959</b>	<b>0.8800</b>	<b>1.4100e-003</b>		<b>0.0397</b>	<b>0.0397</b>		<b>0.0365</b>	<b>0.0365</b>	<b>0.0000</b>	<b>124.2585</b>	<b>124.2585</b>	<b>0.0402</b>	<b>0.0000</b>	<b>125.2632</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**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	3.0000e-004	3.8800e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0365	1.0365	3.0000e-005	3.0000e-005	1.0453
<b>Total</b>	<b>4.0000e-004</b>	<b>3.0000e-004</b>	<b>3.8800e-003</b>	<b>1.0000e-005</b>	<b>1.3600e-003</b>	<b>1.0000e-005</b>	<b>1.3700e-003</b>	<b>3.6000e-004</b>	<b>1.0000e-005</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.0365</b>	<b>1.0365</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0453</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0784	0.7959	0.8800	1.4100e-003		0.0397	0.0397		0.0365	0.0365	0.0000	124.2583	124.2583	0.0402	0.0000	125.2630
<b>Total</b>	<b>0.0784</b>	<b>0.7959</b>	<b>0.8800</b>	<b>1.4100e-003</b>		<b>0.0397</b>	<b>0.0397</b>		<b>0.0365</b>	<b>0.0365</b>	<b>0.0000</b>	<b>124.2583</b>	<b>124.2583</b>	<b>0.0402</b>	<b>0.0000</b>	<b>125.2630</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**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	3.0000e-004	3.8800e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0365	1.0365	3.0000e-005	3.0000e-005	1.0453
<b>Total</b>	<b>4.0000e-004</b>	<b>3.0000e-004</b>	<b>3.8800e-003</b>	<b>1.0000e-005</b>	<b>1.3600e-003</b>	<b>1.0000e-005</b>	<b>1.3700e-003</b>	<b>3.6000e-004</b>	<b>1.0000e-005</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.0365</b>	<b>1.0365</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0453</b>

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0405	0.4062	0.4806	7.8000e-004		0.0192	0.0192		0.0177	0.0177	0.0000	68.1648	68.1648	0.0221	0.0000	68.7160
<b>Total</b>	<b>0.0405</b>	<b>0.4062</b>	<b>0.4806</b>	<b>7.8000e-004</b>		<b>0.0192</b>	<b>0.0192</b>		<b>0.0177</b>	<b>0.0177</b>	<b>0.0000</b>	<b>68.1648</b>	<b>68.1648</b>	<b>0.0221</b>	<b>0.0000</b>	<b>68.7160</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 - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.5000e-004	1.9900e-003	1.0000e-005	7.5000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5504	0.5504	1.0000e-005	1.0000e-005	0.5549
<b>Total</b>	<b>2.1000e-004</b>	<b>1.5000e-004</b>	<b>1.9900e-003</b>	<b>1.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>7.5000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.5504</b>	<b>0.5504</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.5549</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0405	0.4062	0.4806	7.8000e-004		0.0192	0.0192		0.0177	0.0177	0.0000	68.1648	68.1648	0.0221	0.0000	68.7159
<b>Total</b>	<b>0.0405</b>	<b>0.4062</b>	<b>0.4806</b>	<b>7.8000e-004</b>		<b>0.0192</b>	<b>0.0192</b>		<b>0.0177</b>	<b>0.0177</b>	<b>0.0000</b>	<b>68.1648</b>	<b>68.1648</b>	<b>0.0221</b>	<b>0.0000</b>	<b>68.7159</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Annual

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

**3.4 Building Construction - 2024**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.5000e-004	1.9900e-003	1.0000e-005	7.5000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5504	0.5504	1.0000e-005	1.0000e-005	0.5549
<b>Total</b>	<b>2.1000e-004</b>	<b>1.5000e-004</b>	<b>1.9900e-003</b>	<b>1.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>7.5000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.5504</b>	<b>0.5504</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.5549</b>

**3.5 Paving - 2024**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6100e-003	0.0497	0.0668	1.1000e-004		2.3100e-003	2.3100e-003		2.1600e-003	2.1600e-003	0.0000	8.9306	8.9306	2.6000e-003	0.0000	8.9956
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>5.6100e-003</b>	<b>0.0497</b>	<b>0.0668</b>	<b>1.1000e-004</b>		<b>2.3100e-003</b>	<b>2.3100e-003</b>		<b>2.1600e-003</b>	<b>2.1600e-003</b>	<b>0.0000</b>	<b>8.9306</b>	<b>8.9306</b>	<b>2.6000e-003</b>	<b>0.0000</b>	<b>8.9956</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Annual

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

**3.5 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.7000e-004	5.0100e-003	2.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.3841	1.3841	3.0000e-005	4.0000e-005	1.3954
<b>Total</b>	<b>5.2000e-004</b>	<b>3.7000e-004</b>	<b>5.0100e-003</b>	<b>2.0000e-005</b>	<b>1.8800e-003</b>	<b>1.0000e-005</b>	<b>1.8900e-003</b>	<b>5.0000e-004</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.3841</b>	<b>1.3841</b>	<b>3.0000e-005</b>	<b>4.0000e-005</b>	<b>1.3954</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6100e-003	0.0497	0.0668	1.1000e-004		2.3100e-003	2.3100e-003		2.1600e-003	2.1600e-003	0.0000	8.9306	8.9306	2.6000e-003	0.0000	8.9956
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>5.6100e-003</b>	<b>0.0497</b>	<b>0.0668</b>	<b>1.1000e-004</b>		<b>2.3100e-003</b>	<b>2.3100e-003</b>		<b>2.1600e-003</b>	<b>2.1600e-003</b>	<b>0.0000</b>	<b>8.9306</b>	<b>8.9306</b>	<b>2.6000e-003</b>	<b>0.0000</b>	<b>8.9956</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Annual

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

**3.5 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.7000e-004	5.0100e-003	2.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.3841	1.3841	3.0000e-005	4.0000e-005	1.3954
<b>Total</b>	<b>5.2000e-004</b>	<b>3.7000e-004</b>	<b>5.0100e-003</b>	<b>2.0000e-005</b>	<b>1.8800e-003</b>	<b>1.0000e-005</b>	<b>1.8900e-003</b>	<b>5.0000e-004</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.3841</b>	<b>1.3841</b>	<b>3.0000e-005</b>	<b>4.0000e-005</b>	<b>1.3954</b>

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0116					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8100e-003	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5569
<b>Total</b>	<b>0.0134</b>	<b>0.0122</b>	<b>0.0181</b>	<b>3.0000e-005</b>		<b>6.1000e-004</b>	<b>6.1000e-004</b>		<b>6.1000e-004</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.5569</b>

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

**3.6 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0116					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8100e-003	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5568
<b>Total</b>	<b>0.0134</b>	<b>0.0122</b>	<b>0.0181</b>	<b>3.0000e-005</b>		<b>6.1000e-004</b>	<b>6.1000e-004</b>		<b>6.1000e-004</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.5568</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					
Mitigated	2.0900e-003	3.6600e-003	0.0236	6.0000e-005	6.2800e-003	5.0000e-005	6.3300e-003	1.6800e-003	4.0000e-005	1.7200e-003	0.0000	5.4318	5.4318	2.6000e-004	2.6000e-004	5.5159
Unmitigated	2.0900e-003	3.6600e-003	0.0236	6.0000e-005	6.2800e-003	5.0000e-005	6.3300e-003	1.6800e-003	4.0000e-005	1.7200e-003	0.0000	5.4318	5.4318	2.6000e-004	2.6000e-004	5.5159

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	3.75	3.75	3.75	16,606	16,606
Total	3.75	3.75	3.75	16,606	16,606

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	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 Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4.3982	4.3982	3.7000e-004	4.0000e-005	4.4209
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4.3982	4.3982	3.7000e-004	4.0000e-005	4.4209
NaturalGas Mitigated	4.4000e-004	3.9600e-003	3.3300e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3131	4.3131	8.0000e-005	8.0000e-005	4.3388
NaturalGas Unmitigated	4.4000e-004	3.9600e-003	3.3300e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3131	4.3131	8.0000e-005	8.0000e-005	4.3388



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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	80825	4.4000e-004	3.9600e-003	3.3300e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3131	4.3131	8.0000e-005	8.0000e-005	4.3388
<b>Total</b>		<b>4.4000e-004</b>	<b>3.9600e-003</b>	<b>3.3300e-003</b>	<b>2.0000e-005</b>		<b>3.0000e-004</b>	<b>3.0000e-004</b>		<b>3.0000e-004</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>4.3131</b>	<b>4.3131</b>	<b>8.0000e-005</b>	<b>8.0000e-005</b>	<b>4.3388</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Heavy Industry	80825	4.4000e-004	3.9600e-003	3.3300e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3131	4.3131	8.0000e-005	8.0000e-005	4.3388
<b>Total</b>		<b>4.4000e-004</b>	<b>3.9600e-003</b>	<b>3.3300e-003</b>	<b>2.0000e-005</b>		<b>3.0000e-004</b>	<b>3.0000e-004</b>		<b>3.0000e-004</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>4.3131</b>	<b>4.3131</b>	<b>8.0000e-005</b>	<b>8.0000e-005</b>	<b>4.3388</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**

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	24800	4.3982	3.7000e-004	4.0000e-005	4.4209
<b>Total</b>		<b>4.3982</b>	<b>3.7000e-004</b>	<b>4.0000e-005</b>	<b>4.4209</b>

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	24800	4.3982	3.7000e-004	4.0000e-005	4.4209
<b>Total</b>		<b>4.3982</b>	<b>3.7000e-004</b>	<b>4.0000e-005</b>	<b>4.4209</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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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
Category	tons/yr										MT/yr					
Mitigated	0.0102	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
Unmitigated	0.0102	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
<b>Total</b>	<b>0.0102</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.0000e-005</b>

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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**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
<b>Total</b>	<b>0.0102</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>7.0000e-005</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.5184	0.0190	4.6000e-004	2.1288
Unmitigated	1.5184	0.0190	4.6000e-004	2.1288

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	0.578125 / 0	1.5184	0.0190	4.6000e-004	2.1288
<b>Total</b>		<b>1.5184</b>	<b>0.0190</b>	<b>4.6000e-004</b>	<b>2.1288</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast 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**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	0.578125 / 0	1.5184	0.0190	4.6000e-004	2.1288
<b>Total</b>		<b>1.5184</b>	<b>0.0190</b>	<b>4.6000e-004</b>	<b>2.1288</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.6293	0.0372	0.0000	1.5590
Unmitigated	0.6293	0.0372	0.0000	1.5590

9295.16 Steeplechase Pump Station - Riverside-South Coast 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**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	3.1	0.6293	0.0372	0.0000	1.5590
<b>Total</b>		<b>0.6293</b>	<b>0.0372</b>	<b>0.0000</b>	<b>1.5590</b>

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	3.1	0.6293	0.0372	0.0000	1.5590
<b>Total</b>		<b>0.6293</b>	<b>0.0372</b>	<b>0.0000</b>	<b>1.5590</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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9295.16 Steeplechase Pump Station - Riverside-South Coast County, Annual

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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	419	0.73	Diesel

**Boilers**

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

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (300 - 600 HP)	0.0172	0.0481	0.0438	8.0000e-005		2.5300e-003	2.5300e-003		2.5300e-003	2.5300e-003	0.0000	7.9777	7.9777	1.1200e-003	0.0000	8.0057
<b>Total</b>	<b>0.0172</b>	<b>0.0481</b>	<b>0.0438</b>	<b>8.0000e-005</b>		<b>2.5300e-003</b>	<b>2.5300e-003</b>		<b>2.5300e-003</b>	<b>2.5300e-003</b>	<b>0.0000</b>	<b>7.9777</b>	<b>7.9777</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>8.0057</b>

**11.0 Vegetation**



9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

**9295.16 Steeplechase Pump Station**

**Riverside-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	2.50	1000sqft	0.50	2,500.00	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/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 - Building - approx 2,500 sf

Site less than 0.5 acres

Construction Phase - 20 months

Grading -

Vehicle Trips - 1.5 trips/ksf

Stationary Sources - Emergency Generators and Fire Pumps -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1.00	4.00
tblConstructionPhase	NumDays	2.00	8.00
tblConstructionPhase	NumDays	100.00	384.00

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

tblConstructionPhase	NumDays	5.00	19.00
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	PhaseEndDate	1/2/2023	1/5/2023
tblConstructionPhase	PhaseEndDate	1/4/2023	1/17/2023
tblConstructionPhase	PhaseEndDate	5/24/2023	7/8/2024
tblConstructionPhase	PhaseEndDate	5/31/2023	8/2/2024
tblConstructionPhase	PhaseEndDate	6/7/2023	8/30/2024
tblConstructionPhase	PhaseStartDate	1/3/2023	1/6/2023
tblConstructionPhase	PhaseStartDate	1/5/2023	1/18/2023
tblConstructionPhase	PhaseStartDate	5/25/2023	7/9/2024
tblConstructionPhase	PhaseStartDate	6/1/2023	8/5/2024
tblLandUse	LotAcreage	0.06	0.50
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	419.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	1.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	6.42	1.50
tblVehicleTrips	SU_TR	5.09	1.50
tblVehicleTrips	WD_TR	3.93	1.50

**2.0 Emissions Summary**

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9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.9628	10.1969	7.1336	0.0149	5.4014	0.4205	5.8219	2.5923	0.3869	2.9791	0.0000	1,444.2706	1,444.2706	0.4432	1.8800e-003	1,455.9107
2024	1.3395	5.9759	7.6470	0.0130	0.2012	0.2824	0.4450	0.0534	0.2598	0.2810	0.0000	1,209.4185	1,209.4185	0.3576	3.9200e-003	1,218.2277
<b>Maximum</b>	<b>1.3395</b>	<b>10.1969</b>	<b>7.6470</b>	<b>0.0149</b>	<b>5.4014</b>	<b>0.4205</b>	<b>5.8219</b>	<b>2.5923</b>	<b>0.3869</b>	<b>2.9791</b>	<b>0.0000</b>	<b>1,444.2706</b>	<b>1,444.2706</b>	<b>0.4432</b>	<b>3.9200e-003</b>	<b>1,455.9107</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.9628	10.1969	7.1336	0.0149	2.1611	0.4205	2.5816	1.0255	0.3869	1.4123	0.0000	1,444.2706	1,444.2706	0.4432	1.8800e-003	1,455.9107
2024	1.3395	5.9759	7.6470	0.0130	0.2012	0.2824	0.4450	0.0534	0.2598	0.2810	0.0000	1,209.4185	1,209.4185	0.3576	3.9200e-003	1,218.2277
<b>Maximum</b>	<b>1.3395</b>	<b>10.1969</b>	<b>7.6470</b>	<b>0.0149</b>	<b>2.1611</b>	<b>0.4205</b>	<b>2.5816</b>	<b>1.0255</b>	<b>0.3869</b>	<b>1.4123</b>	<b>0.0000</b>	<b>1,444.2706</b>	<b>1,444.2706</b>	<b>0.4432</b>	<b>3.9200e-003</b>	<b>1,455.9107</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	57.84	0.00	51.71	59.22	0.00	48.06	0.00	0.00	0.00	0.00	0.00	0.00

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0559	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Energy	2.3900e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003		26.0516	26.0516	5.0000e-004	4.8000e-004	26.2064
Mobile	0.0131	0.0188	0.1432	3.4000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		34.8828	34.8828	1.5600e-003	1.5400e-003	35.3794
Stationary	0.6876	1.9218	1.7533	3.3000e-003		0.1012	0.1012		0.1012	0.1012		351.7564	351.7564	0.0493		352.9893
<b>Total</b>	<b>0.7590</b>	<b>1.9624</b>	<b>1.9149</b>	<b>3.7700e-003</b>	<b>0.0351</b>	<b>0.1031</b>	<b>0.1381</b>	<b>9.3600e-003</b>	<b>0.1030</b>	<b>0.1124</b>		<b>412.6914</b>	<b>412.6914</b>	<b>0.0514</b>	<b>2.0200e-003</b>	<b>414.5756</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0559	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Energy	2.3900e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003		26.0516	26.0516	5.0000e-004	4.8000e-004	26.2064
Mobile	0.0131	0.0188	0.1432	3.4000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		34.8828	34.8828	1.5600e-003	1.5400e-003	35.3794
Stationary	0.6876	1.9218	1.7533	3.3000e-003		0.1012	0.1012		0.1012	0.1012		351.7564	351.7564	0.0493		352.9893
<b>Total</b>	<b>0.7590</b>	<b>1.9624</b>	<b>1.9149</b>	<b>3.7700e-003</b>	<b>0.0351</b>	<b>0.1031</b>	<b>0.1381</b>	<b>9.3600e-003</b>	<b>0.1030</b>	<b>0.1124</b>		<b>412.6914</b>	<b>412.6914</b>	<b>0.0514</b>	<b>2.0200e-003</b>	<b>414.5756</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2023	1/5/2023	5	4	
2	Grading	Grading	1/6/2023	1/17/2023	5	8	
3	Building Construction	Building Construction	1/18/2023	7/8/2024	5	384	
4	Paving	Paving	7/9/2024	8/2/2024	5	19	

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

5	Architectural Coating	Architectural Coating	8/5/2024	8/30/2024	5	20
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**Acres of Grading (Site Preparation Phase): 2**

**Acres of Grading (Grading Phase): 6**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,750; Non-Residential Outdoor: 1,250; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	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**

Building Construction	5	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.5348	6.1887	3.9239	9.7300e-003		0.2266	0.2266		0.2084	0.2084		942.4317	942.4317	0.3048		950.0517
<b>Total</b>	<b>0.5348</b>	<b>6.1887</b>	<b>3.9239</b>	<b>9.7300e-003</b>	<b>0.5303</b>	<b>0.2266</b>	<b>0.7568</b>	<b>0.0573</b>	<b>0.2084</b>	<b>0.2657</b>		<b>942.4317</b>	<b>942.4317</b>	<b>0.3048</b>		<b>950.0517</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

**3.2 Site Preparation - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0183	0.0113	0.1829	4.9000e-004	0.0559	2.6000e-004	0.0562	0.0148	2.4000e-004	0.0151		49.6870	49.6870	1.1500e-003	1.1700e-003	50.0653
<b>Total</b>	<b>0.0183</b>	<b>0.0113</b>	<b>0.1829</b>	<b>4.9000e-004</b>	<b>0.0559</b>	<b>2.6000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.4000e-004</b>	<b>0.0151</b>		<b>49.6870</b>	<b>49.6870</b>	<b>1.1500e-003</b>	<b>1.1700e-003</b>	<b>50.0653</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.5348	6.1887	3.9239	9.7300e-003		0.2266	0.2266		0.2084	0.2084	0.0000	942.4317	942.4317	0.3048		950.0517
<b>Total</b>	<b>0.5348</b>	<b>6.1887</b>	<b>3.9239</b>	<b>9.7300e-003</b>	<b>0.2068</b>	<b>0.2266</b>	<b>0.4334</b>	<b>0.0223</b>	<b>0.2084</b>	<b>0.2308</b>	<b>0.0000</b>	<b>942.4317</b>	<b>942.4317</b>	<b>0.3048</b>		<b>950.0517</b>



9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

**3.2 Site Preparation - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0183	0.0113	0.1829	4.9000e-004	0.0559	2.6000e-004	0.0562	0.0148	2.4000e-004	0.0151		49.6870	49.6870	1.1500e-003	1.1700e-003	50.0653
<b>Total</b>	<b>0.0183</b>	<b>0.0113</b>	<b>0.1829</b>	<b>4.9000e-004</b>	<b>0.0559</b>	<b>2.6000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.4000e-004</b>	<b>0.0151</b>		<b>49.6870</b>	<b>49.6870</b>	<b>1.1500e-003</b>	<b>1.1700e-003</b>	<b>50.0653</b>

**3.3 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865		1,364.7713	1,364.7713	0.4414		1,375.8062
<b>Total</b>	<b>0.9335</b>	<b>10.1789</b>	<b>5.5516</b>	<b>0.0141</b>	<b>5.3119</b>	<b>0.4201</b>	<b>5.7320</b>	<b>2.5686</b>	<b>0.3865</b>	<b>2.9550</b>		<b>1,364.7713</b>	<b>1,364.7713</b>	<b>0.4414</b>		<b>1,375.8062</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

**3.3 Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0292	0.0181	0.2927	7.9000e-004	0.0894	4.2000e-004	0.0898	0.0237	3.8000e-004	0.0241		79.4992	79.4992	1.8400e-003	1.8800e-003	80.1045
<b>Total</b>	<b>0.0292</b>	<b>0.0181</b>	<b>0.2927</b>	<b>7.9000e-004</b>	<b>0.0894</b>	<b>4.2000e-004</b>	<b>0.0898</b>	<b>0.0237</b>	<b>3.8000e-004</b>	<b>0.0241</b>		<b>79.4992</b>	<b>79.4992</b>	<b>1.8400e-003</b>	<b>1.8800e-003</b>	<b>80.1045</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0717	0.0000	2.0717	1.0017	0.0000	1.0017			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865	0.0000	1,364.7713	1,364.7713	0.4414		1,375.8062
<b>Total</b>	<b>0.9335</b>	<b>10.1789</b>	<b>5.5516</b>	<b>0.0141</b>	<b>2.0717</b>	<b>0.4201</b>	<b>2.4918</b>	<b>1.0017</b>	<b>0.3865</b>	<b>1.3882</b>	<b>0.0000</b>	<b>1,364.7713</b>	<b>1,364.7713</b>	<b>0.4414</b>		<b>1,375.8062</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

**3.3 Grading - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0292	0.0181	0.2927	7.9000e-004	0.0894	4.2000e-004	0.0898	0.0237	3.8000e-004	0.0241		79.4992	79.4992	1.8400e-003	1.8800e-003	80.1045
<b>Total</b>	<b>0.0292</b>	<b>0.0181</b>	<b>0.2927</b>	<b>7.9000e-004</b>	<b>0.0894</b>	<b>4.2000e-004</b>	<b>0.0898</b>	<b>0.0237</b>	<b>3.8000e-004</b>	<b>0.0241</b>		<b>79.4992</b>	<b>79.4992</b>	<b>1.8400e-003</b>	<b>1.8800e-003</b>	<b>80.1045</b>

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946		1,104.6089	1,104.6089	0.3573		1,113.5402
<b>Total</b>	<b>0.6322</b>	<b>6.4186</b>	<b>7.0970</b>	<b>0.0114</b>		<b>0.3203</b>	<b>0.3203</b>		<b>0.2946</b>	<b>0.2946</b>		<b>1,104.6089</b>	<b>1,104.6089</b>	<b>0.3573</b>		<b>1,113.5402</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast 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**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6500e-003	2.2600e-003	0.0366	1.0000e-004	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		9.9374	9.9374	2.3000e-004	2.3000e-004	10.0131
<b>Total</b>	<b>3.6500e-003</b>	<b>2.2600e-003</b>	<b>0.0366</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>5.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>5.0000e-005</b>	<b>3.0100e-003</b>		<b>9.9374</b>	<b>9.9374</b>	<b>2.3000e-004</b>	<b>2.3000e-004</b>	<b>10.0131</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946	0.0000	1,104.6089	1,104.6089	0.3573		1,113.5402
<b>Total</b>	<b>0.6322</b>	<b>6.4186</b>	<b>7.0970</b>	<b>0.0114</b>		<b>0.3203</b>	<b>0.3203</b>		<b>0.2946</b>	<b>0.2946</b>	<b>0.0000</b>	<b>1,104.6089</b>	<b>1,104.6089</b>	<b>0.3573</b>		<b>1,113.5402</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast 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**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6500e-003	2.2600e-003	0.0366	1.0000e-004	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		9.9374	9.9374	2.3000e-004	2.3000e-004	10.0131
<b>Total</b>	<b>3.6500e-003</b>	<b>2.2600e-003</b>	<b>0.0366</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>5.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>5.0000e-005</b>	<b>3.0100e-003</b>		<b>9.9374</b>	<b>9.9374</b>	<b>2.3000e-004</b>	<b>2.3000e-004</b>	<b>10.0131</b>

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5950	5.9739	7.0675	0.0114		0.2824	0.2824		0.2598	0.2598		1,104.9834	1,104.9834	0.3574		1,113.9177
<b>Total</b>	<b>0.5950</b>	<b>5.9739</b>	<b>7.0675</b>	<b>0.0114</b>		<b>0.2824</b>	<b>0.2824</b>		<b>0.2598</b>	<b>0.2598</b>		<b>1,104.9834</b>	<b>1,104.9834</b>	<b>0.3574</b>		<b>1,113.9177</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast 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 - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	2.0100e-003	0.0342	1.0000e-004	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		9.6211	9.6211	2.1000e-004	2.2000e-004	9.6912
<b>Total</b>	<b>3.4000e-003</b>	<b>2.0100e-003</b>	<b>0.0342</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>5.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>5.0000e-005</b>	<b>3.0100e-003</b>		<b>9.6211</b>	<b>9.6211</b>	<b>2.1000e-004</b>	<b>2.2000e-004</b>	<b>9.6912</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5950	5.9739	7.0675	0.0114		0.2824	0.2824		0.2598	0.2598	0.0000	1,104.9834	1,104.9834	0.3574		1,113.9177
<b>Total</b>	<b>0.5950</b>	<b>5.9739</b>	<b>7.0675</b>	<b>0.0114</b>		<b>0.2824</b>	<b>0.2824</b>		<b>0.2598</b>	<b>0.2598</b>	<b>0.0000</b>	<b>1,104.9834</b>	<b>1,104.9834</b>	<b>0.3574</b>		<b>1,113.9177</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast 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 - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-003	2.0100e-003	0.0342	1.0000e-004	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		9.6211	9.6211	2.1000e-004	2.2000e-004	9.6912
<b>Total</b>	<b>3.4000e-003</b>	<b>2.0100e-003</b>	<b>0.0342</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>5.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>5.0000e-005</b>	<b>3.0100e-003</b>		<b>9.6211</b>	<b>9.6211</b>	<b>2.1000e-004</b>	<b>2.2000e-004</b>	<b>9.6912</b>

**3.5 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5904</b>	<b>5.2297</b>	<b>7.0314</b>	<b>0.0113</b>		<b>0.2429</b>	<b>0.2429</b>		<b>0.2269</b>	<b>0.2269</b>		<b>1,036.2393</b>	<b>1,036.2393</b>	<b>0.3019</b>		<b>1,043.7858</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

**3.5 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0613	0.0362	0.6156	1.7100e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420
<b>Total</b>	<b>0.0613</b>	<b>0.0362</b>	<b>0.6156</b>	<b>1.7100e-003</b>	<b>0.2012</b>	<b>9.0000e-004</b>	<b>0.2021</b>	<b>0.0534</b>	<b>8.3000e-004</b>	<b>0.0542</b>		<b>173.1792</b>	<b>173.1792</b>	<b>3.7500e-003</b>	<b>3.9200e-003</b>	<b>174.4420</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5904</b>	<b>5.2297</b>	<b>7.0314</b>	<b>0.0113</b>		<b>0.2429</b>	<b>0.2429</b>		<b>0.2269</b>	<b>0.2269</b>	<b>0.0000</b>	<b>1,036.2393</b>	<b>1,036.2393</b>	<b>0.3019</b>		<b>1,043.7858</b>



9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

**3.5 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	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	0.0613	0.0362	0.6156	1.7100e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420
<b>Total</b>	<b>0.0613</b>	<b>0.0362</b>	<b>0.6156</b>	<b>1.7100e-003</b>	<b>0.2012</b>	<b>9.0000e-004</b>	<b>0.2021</b>	<b>0.0534</b>	<b>8.3000e-004</b>	<b>0.0542</b>		<b>173.1792</b>	<b>173.1792</b>	<b>3.7500e-003</b>	<b>3.9200e-003</b>	<b>174.4420</b>

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.1588					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>1.3395</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>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

**3.6 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000	0.0000	0.0000	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>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.1588					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>1.3395</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>

9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

**3.6 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000	0.0000	0.0000	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>

9295.16 Steeplechase Pump Station - Riverside-South Coast 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					
Mitigated	0.0131	0.0188	0.1432	3.4000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		34.8828	34.8828	1.5600e-003	1.5400e-003	35.3794
Unmitigated	0.0131	0.0188	0.1432	3.4000e-004	0.0351	2.6000e-004	0.0353	9.3600e-003	2.4000e-004	9.6000e-003		34.8828	34.8828	1.5600e-003	1.5400e-003	35.3794

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	3.75	3.75	3.75	16,606	16,606
Total	3.75	3.75	3.75	16,606	16,606

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Heavy Industry	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

9295.16 Steeplechase Pump Station - Riverside-South Coast 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 Mitigated	2.3900e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003		26.0516	26.0516	5.0000e-004	4.8000e-004	26.2064
NaturalGas Unmitigated	2.3900e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003		26.0516	26.0516	5.0000e-004	4.8000e-004	26.2064

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	221.438	2.3900e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003		26.0516	26.0516	5.0000e-004	4.8000e-004	26.2064
<b>Total</b>		<b>2.3900e-003</b>	<b>0.0217</b>	<b>0.0182</b>	<b>1.3000e-004</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>		<b>26.0516</b>	<b>26.0516</b>	<b>5.0000e-004</b>	<b>4.8000e-004</b>	<b>26.2064</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast 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**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Heavy Industry	0.221438	2.3900e-003	0.0217	0.0182	1.3000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003		26.0516	26.0516	5.0000e-004	4.8000e-004	26.2064
<b>Total</b>		<b>2.3900e-003</b>	<b>0.0217</b>	<b>0.0182</b>	<b>1.3000e-004</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>		<b>26.0516</b>	<b>26.0516</b>	<b>5.0000e-004</b>	<b>4.8000e-004</b>	<b>26.2064</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0559	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Unmitigated	0.0559	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004

9295.16 Steeplechase Pump Station - Riverside-South Coast 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**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.3500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0495					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		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
<b>Total</b>	<b>0.0559</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>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>		<b>5.8000e-004</b>

9295.16 Steeplechase Pump Station - Riverside-South Coast 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**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.3500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0495					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		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
<b>Total</b>	<b>0.0559</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>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>		<b>5.8000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**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



9295.16 Steeplechase Pump Station - Riverside-South Coast County, Summer

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	50	419	0.73	Diesel

**Boilers**

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

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (300 - 600 HP)	0.6876	1.9218	1.7533	3.3000e-003		0.1012	0.1012		0.1012	0.1012		351.7564	351.7564	0.0493		352.9893
<b>Total</b>	<b>0.6876</b>	<b>1.9218</b>	<b>1.7533</b>	<b>3.3000e-003</b>		<b>0.1012</b>	<b>0.1012</b>		<b>0.1012</b>	<b>0.1012</b>		<b>351.7564</b>	<b>351.7564</b>	<b>0.0493</b>		<b>352.9893</b>

**11.0 Vegetation**

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**Construction Health Risk Calculations**

**Annual PM Exhaust Generation**

Annual Tons/Year	Pounds/year	lbs/day	lbs/hr	g/day	sec/day	g/sec
0.0416	83.2	2.28E-01	9.50E-03	103	86,400	1.20E-03

Max 1-hour concentration	4.13E-02 $\mu\text{g}/\text{m}^3$
Annualized average concentration (0.08)	3.31E-03 $\mu\text{g}/\text{m}^3$

Onsite Maximum Exposure	3rd Trimester	0<2	2<9	2<16	16<30	16-70
Cair	3.31E-03	3.31E-03	3.31E-03	3.31E-03	3.31E-03	3.31E-03
DBR	361	1090	861	745	335	290
A	1	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96	0.96
Dose-air	1.15E-06	3.46E-06	2.73E-06	2.36E-06	1.06E-06	9.21E-07
CPF	1.10	1.10	1.10	1.10	1.10	1.10
ASF	10	10	3	3	1	1
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	0.73
<b>Risk in 1 mill</b>	<b>0.04</b>	<b>0.92</b>	<b>0.65</b>	<b>1.12</b>	<b>0.17</b>	<b>0.57</b>
<b>Chronic Exposure</b>	<b>0.0007</b>	<b>0.0007</b>	<b>0.0007</b>	<b>0.0007</b>	<b>0.0007</b>	<b>0.0007</b>
0-9	1.61	9.25				
0-30	2.26	30.25				
0-70	2.66	70.25				

### Annual Construction Emissions (tons)

Year	Phase	PM10 Exhaust
2023	Site Preparation	0.00045
	Grading	0.00168
	Building Construction	0.0397
	2023 Total	0.04183
2024	Building Construction	0.0192
	Paving	0.00231
	Architectural Coatings	0.00061
	2024 Total	0.02212

TITLE: STEEPLECHASE PUMP STATION

\*\*\*\*\* VOLUME PARAMETERS \*\*\*\*\*

SOURCE EMISSION RATE: 0.120E-02 g/s 0.952E-02 lb/hr
VOLUME HEIGHT: 5.00 meters 16.40 feet
INITIAL LATERAL DIMENSION: 100.00 meters 328.08 feet
INITIAL VERTICAL DIMENSION: 100.00 meters 328.08 feet
RURAL OR URBAN: URBAN
POPULATION: 20000

FLAGPOLE RECEPTOR HEIGHT: 1.50 meters 4.92 feet

INITIAL PROBE DISTANCE = 5000. meters 16404. feet

\*\*\*\*\* BUILDING DOWNWASH PARAMETERS \*\*\*\*\*

BUILDING DOWNWASH NOT USED FOR NON-POINT SOURCES

\*\*\*\*\* PROBE ANALYSIS \*\*\*\*\*

25 meter receptor spacing: 216. meters - 5000. meters

Zo ROUGHNESS 1-HR CONC DIST TEMPORAL
SECTOR LENGTH (ug/m3) (m) PERIOD

1\* 1.000 0.4133E-01 216.0 WIN

\* = worst case flow sector

\*\*\*\*\* MAKEMET METEOROLOGY PARAMETERS \*\*\*\*\*

MIN/MAX TEMPERATURE: 250.0 / 310.0 (K)

MINIMUM WIND SPEED: 0.5 m/s

ANEMOMETER HEIGHT: 10.000 meters

SURFACE CHARACTERISTICS INPUT: AERMET SEASONAL TABLES

DOMINANT SURFACE PROFILE: Urban  
 DOMINANT CLIMATE TYPE: Average Moisture  
 DOMINANT SEASON: Winter

ALBEDO: 0.35  
 BOWEN RATIO: 1.50  
 ROUGHNESS LENGTH: 1.000 (meters)

METEOROLOGY CONDITIONS USED TO PREDICT OVERALL MAXIMUM IMPACT

YR MO DY JDY HR

-----  
 10 01 16 16 01

H0 U\* W\* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALBEDO REF WS  
 -----  
 -0.41 0.043 -9.000 0.020 -999. 21. 19.3 1.000 1.50 0.35 0.50

HT REF TA HT  
 -----  
 10.0 310.0 2.0

METEOROLOGY CONDITIONS USED TO PREDICT AMBIENT BOUNDARY IMPACT

YR MO DY JDY HR

-----  
 10 01 16 16 01

H0 U\* W\* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALBEDO REF WS  
 -----  
 -0.41 0.043 -9.000 0.020 -999. 21. 19.3 1.000 1.50 0.35 0.50

HT REF TA HT  
 -----  
 10.0 310.0 2.0

\*\*\*\*\* AERSCREEN AUTOMATED DISTANCES \*\*\*\*\*

OVERALL MAXIMUM CONCENTRATIONS BY DISTANCE

MAXIMUM		MAXIMUM	
DIST	1-HR CONC	DIST	1-HR CONC
(m)	(ug/m3)	(m)	(ug/m3)
216.00	0.4133E-01	2625.00	0.1079E-01
225.00	0.4045E-01	2650.00	0.1072E-01
250.00	0.3830E-01	2675.00	0.1065E-01

275.00	0.3648E-01	2700.00	0.1058E-01
300.00	0.3490E-01	2725.00	0.1052E-01
325.00	0.3352E-01	2750.00	0.1045E-01
350.00	0.3228E-01	2775.00	0.1039E-01
375.00	0.3117E-01	2800.00	0.1032E-01
400.00	0.3017E-01	2825.00	0.1026E-01
425.00	0.2924E-01	2850.00	0.1020E-01
450.00	0.2840E-01	2875.00	0.1014E-01
475.00	0.2761E-01	2900.00	0.1008E-01
500.00	0.2688E-01	2925.00	0.1002E-01
525.00	0.2620E-01	2950.00	0.9958E-02
550.00	0.2559E-01	2975.00	0.9899E-02
575.00	0.2514E-01	3000.00	0.9842E-02
600.00	0.2471E-01	3025.00	0.9785E-02
625.00	0.2430E-01	3050.00	0.9729E-02
650.00	0.2390E-01	3075.00	0.9674E-02
675.00	0.2351E-01	3100.00	0.9619E-02
700.00	0.2313E-01	3125.00	0.9565E-02
725.00	0.2277E-01	3150.00	0.9512E-02
750.00	0.2242E-01	3175.00	0.9459E-02
775.00	0.2208E-01	3200.00	0.9407E-02
800.00	0.2175E-01	3225.00	0.9356E-02
825.00	0.2143E-01	3250.00	0.9305E-02
850.00	0.2112E-01	3275.00	0.9255E-02
875.00	0.2082E-01	3300.00	0.9205E-02
900.00	0.2053E-01	3325.00	0.9157E-02
925.00	0.2025E-01	3350.00	0.9108E-02
950.00	0.1997E-01	3375.00	0.9060E-02
975.00	0.1971E-01	3400.00	0.9013E-02
1000.00	0.1945E-01	3425.00	0.8966E-02
1025.00	0.1919E-01	3450.00	0.8920E-02
1050.00	0.1895E-01	3475.00	0.8874E-02
1075.00	0.1871E-01	3500.00	0.8829E-02
1100.00	0.1848E-01	3525.00	0.8784E-02
1125.00	0.1825E-01	3550.00	0.8740E-02
1150.00	0.1803E-01	3575.00	0.8696E-02
1175.00	0.1782E-01	3600.00	0.8653E-02
1200.00	0.1761E-01	3625.00	0.8610E-02
1225.00	0.1741E-01	3650.00	0.8568E-02
1250.00	0.1721E-01	3675.00	0.8526E-02
1275.00	0.1701E-01	3700.00	0.8484E-02
1300.00	0.1682E-01	3725.00	0.8443E-02
1325.00	0.1664E-01	3750.00	0.8403E-02
1350.00	0.1646E-01	3775.00	0.8363E-02
1375.00	0.1628E-01	3800.00	0.8323E-02
1400.00	0.1611E-01	3825.00	0.8284E-02
1425.00	0.1595E-01	3850.00	0.8245E-02
1450.00	0.1578E-01	3875.00	0.8206E-02
1475.00	0.1562E-01	3900.00	0.8168E-02
1500.00	0.1546E-01	3925.00	0.8130E-02
1525.00	0.1531E-01	3950.00	0.8093E-02
1550.00	0.1516E-01	3975.00	0.8056E-02
1575.00	0.1501E-01	4000.00	0.8019E-02
1600.00	0.1487E-01	4025.00	0.7983E-02
1625.00	0.1473E-01	4050.00	0.7947E-02

1650.00	0.1459E-01	4075.00	0.7911E-02
1675.00	0.1446E-01	4100.00	0.7876E-02
1700.00	0.1432E-01	4125.00	0.7841E-02
1725.00	0.1419E-01	4150.00	0.7807E-02
1750.00	0.1407E-01	4175.00	0.7772E-02
1775.00	0.1394E-01	4200.00	0.7739E-02
1800.00	0.1382E-01	4225.00	0.7705E-02
1825.00	0.1370E-01	4250.00	0.7672E-02
1850.00	0.1358E-01	4275.00	0.7639E-02
1875.00	0.1347E-01	4300.00	0.7606E-02
1900.00	0.1335E-01	4325.00	0.7574E-02
1925.00	0.1324E-01	4350.00	0.7542E-02
1950.00	0.1313E-01	4375.00	0.7510E-02
1975.00	0.1303E-01	4400.00	0.7478E-02
2000.00	0.1292E-01	4425.00	0.7447E-02
2025.00	0.1282E-01	4450.00	0.7416E-02
2050.00	0.1272E-01	4475.00	0.7386E-02
2075.00	0.1262E-01	4500.00	0.7355E-02
2100.00	0.1252E-01	4525.00	0.7325E-02
2125.00	0.1242E-01	4550.00	0.7295E-02
2150.00	0.1233E-01	4575.00	0.7266E-02
2175.00	0.1224E-01	4600.00	0.7236E-02
2200.00	0.1214E-01	4625.00	0.7207E-02
2225.00	0.1205E-01	4650.00	0.7178E-02
2250.00	0.1196E-01	4675.00	0.7150E-02
2275.00	0.1188E-01	4700.00	0.7121E-02
2300.00	0.1179E-01	4725.00	0.7093E-02
2325.00	0.1171E-01	4750.00	0.7065E-02
2350.00	0.1162E-01	4775.00	0.7038E-02
2375.00	0.1154E-01	4800.00	0.7010E-02
2400.00	0.1146E-01	4825.00	0.6983E-02
2425.00	0.1138E-01	4850.00	0.6956E-02
2450.00	0.1130E-01	4875.00	0.6930E-02
2475.00	0.1123E-01	4900.00	0.6903E-02
2500.00	0.1115E-01	4925.00	0.6877E-02
2525.00	0.1108E-01	4950.00	0.6851E-02
2550.00	0.1100E-01	4975.00	0.6825E-02
2575.00	0.1093E-01	5000.00	0.6799E-02
2600.00	0.1086E-01		

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 \*\*\*\*\* AERSCREEN MAXIMUM IMPACT SUMMARY \*\*\*\*\*  
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CALCULATION PROCEDURE	MAXIMUM 1-HOUR CONC (ug/m3)	SCALED 3-HOUR CONC (ug/m3)	SCALED 8-HOUR CONC (ug/m3)	SCALED 24-HOUR CONC (ug/m3)	SCALED ANNUAL CONC (ug/m3)
FLAT TERRAIN	4.13E-02	4.13E-02	3.72E-02	2.48E-02	4.13E-03

DISTANCE FROM SOURCE      216.00 meters

IMPACT AT THE  
AMBIENT BOUNDARY 0.4133E-01 0.4133E-01 0.3719E-01 0.2480E-01 0.4133E-02

DISTANCE FROM SOURCE 216.00 meters