

**Appendix B.....**

**CALEEMOD.2016.3.1 EMISSIONS REPORT**

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Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**Burney Water District Well No. 9 Project**  
**Shasta County AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.00	1000sqft	0.00	0.00	0
Other Asphalt Surfaces	0.00		0.10	0.00	0
Other Non-Asphalt Surfaces	0.00		0.14	0.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	82
<b>Climate Zone</b>	3			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	641.35	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

Project Characteristics -

Land Use -

Construction Phase - Construction schedule provided by PACE Engineering. Building construction includes drilling of the well.

Grading - Grading information provided by PACE Engineering.

Demolition -

Architectural Coating - Architectural coating information provided by PACE Engineering.

Vehicle Trips - No increase in vehicle trips.

Water And Wastewater - No increase in water use.

Solid Waste - No increase in solid waste.

Construction Off-road Equipment Mitigation -

Energy Mitigation -

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Interior	0.00	200.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	3.00
tblConstructionPhase	NumDays	100.00	90.00
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	5.00	2.00
tblConstructionPhase	NumDays	1.00	14.00
tblConstructionPhase	PhaseEndDate	3/6/2024	2/29/2024
tblConstructionPhase	PhaseEndDate	2/21/2024	2/26/2024
tblConstructionPhase	PhaseEndDate	9/29/2023	10/9/2023
tblConstructionPhase	PhaseEndDate	10/4/2023	10/23/2023
tblConstructionPhase	PhaseEndDate	2/28/2024	3/4/2024
tblConstructionPhase	PhaseEndDate	10/2/2023	10/5/2023
tblConstructionPhase	PhaseStartDate	2/29/2024	2/27/2024
tblConstructionPhase	PhaseStartDate	10/5/2023	10/24/2023
tblConstructionPhase	PhaseStartDate	9/18/2023	10/6/2023
tblConstructionPhase	PhaseStartDate	10/3/2023	10/10/2023
tblConstructionPhase	PhaseStartDate	2/22/2024	3/1/2024
tblConstructionPhase	PhaseStartDate	9/30/2023	9/18/2023
tblGrading	MaterialExported	0.00	35.00
tblGrading	MaterialImported	0.00	145.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**2.0 Emissions Summary**

**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	0.7089	6.4186	7.8676	0.0146	0.9147	0.3203	1.1983	0.4567	0.2946	0.7279	0.0000	1,417.907 3	1,417.907 3	0.3573	0.0000	1,423.343 4
2024	0.9533	5.9739	7.7317	0.0134	0.2299	0.2824	0.4742	0.0610	0.2598	0.2891	0.0000	1,248.646 6	1,248.646 6	0.3574	0.0000	1,256.324 8
<b>Maximum</b>	<b>0.9533</b>	<b>6.4186</b>	<b>7.8676</b>	<b>0.0146</b>	<b>0.9147</b>	<b>0.3203</b>	<b>1.1983</b>	<b>0.4567</b>	<b>0.2946</b>	<b>0.7279</b>	<b>0.0000</b>	<b>1,417.907 3</b>	<b>1,417.907 3</b>	<b>0.3574</b>	<b>0.0000</b>	<b>1,423.343 4</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	0.7089	6.4186	7.8676	0.0146	0.4992	0.3203	0.7828	0.2289	0.2946	0.5001	0.0000	1,417.907 3	1,417.907 3	0.3573	0.0000	1,423.343 4
2024	0.9533	5.9739	7.7317	0.0134	0.2299	0.2824	0.4742	0.0610	0.2598	0.2891	0.0000	1,248.646 6	1,248.646 6	0.3574	0.0000	1,256.324 8
<b>Maximum</b>	<b>0.9533</b>	<b>6.4186</b>	<b>7.8676</b>	<b>0.0146</b>	<b>0.4992</b>	<b>0.3203</b>	<b>0.7828</b>	<b>0.2289</b>	<b>0.2946</b>	<b>0.5001</b>	<b>0.0000</b>	<b>1,417.907 3</b>	<b>1,417.907 3</b>	<b>0.3574</b>	<b>0.0000</b>	<b>1,423.343 4</b>

## Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

	ROG	NOx	CO	SO2	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	36.30	0.00	24.84	44.00	0.00	22.40	0.00	0.00	0.00	0.00	0.00	0.00

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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>



Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

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

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/18/2023	10/5/2023	5	14	
2	Paving	Paving	3/1/2024	3/4/2024	5	2	
3	Architectural Coating	Architectural Coating	2/27/2024	2/29/2024	5	3	
4	Demolition	Demolition	10/6/2023	10/9/2023	5	2	
5	Building Construction	Building Construction	10/24/2023	2/26/2024	5	90	
6	Grading	Grading	10/10/2023	10/23/2023	5	10	

Acres of Grading (Site Preparation Phase): 7

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.24

Residential Indoor: 200; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	1.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	18.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	0.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**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>

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0162	0.2109	6.2000e-004	0.0639	4.0000e-004	0.0643	0.0169	3.7000e-004	0.0173		61.3939	61.3939	1.6400e-003		61.4349
<b>Total</b>	<b>0.0268</b>	<b>0.0162</b>	<b>0.2109</b>	<b>6.2000e-004</b>	<b>0.0639</b>	<b>4.0000e-004</b>	<b>0.0643</b>	<b>0.0169</b>	<b>3.7000e-004</b>	<b>0.0173</b>		<b>61.3939</b>	<b>61.3939</b>	<b>1.6400e-003</b>		<b>61.4349</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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			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>0.2386</b>	<b>0.2266</b>	<b>0.4652</b>	<b>0.0258</b>	<b>0.2084</b>	<b>0.2342</b>	<b>0.0000</b>	<b>942.4317</b>	<b>942.4317</b>	<b>0.3048</b>		<b>950.0517</b>

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0162	0.2109	6.2000e-004	0.0639	4.0000e-004	0.0643	0.0169	3.7000e-004	0.0173		61.3939	61.3939	1.6400e-003		61.4349
<b>Total</b>	<b>0.0268</b>	<b>0.0162</b>	<b>0.2109</b>	<b>6.2000e-004</b>	<b>0.0639</b>	<b>4.0000e-004</b>	<b>0.0643</b>	<b>0.0169</b>	<b>3.7000e-004</b>	<b>0.0173</b>		<b>61.3939</b>	<b>61.3939</b>	<b>1.6400e-003</b>		<b>61.4349</b>

**3.3 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	0.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7214</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>

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**3.3 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0902	0.0524	0.7004	2.1300e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		212.4073	212.4073	5.2700e-003		212.5390
<b>Total</b>	<b>0.0902</b>	<b>0.0524</b>	<b>0.7004</b>	<b>2.1300e-003</b>	<b>0.2299</b>	<b>1.4100e-003</b>	<b>0.2313</b>	<b>0.0610</b>	<b>1.3000e-003</b>	<b>0.0623</b>		<b>212.4073</b>	<b>212.4073</b>	<b>5.2700e-003</b>		<b>212.5390</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	0.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7214</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>

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**3.3 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0902	0.0524	0.7004	2.1300e-003	0.2299	1.4100e-003	0.2313	0.0610	1.3000e-003	0.0623		212.4073	212.4073	5.2700e-003		212.5390
<b>Total</b>	<b>0.0902</b>	<b>0.0524</b>	<b>0.7004</b>	<b>2.1300e-003</b>	<b>0.2299</b>	<b>1.4100e-003</b>	<b>0.2313</b>	<b>0.0610</b>	<b>1.3000e-003</b>	<b>0.0623</b>		<b>212.4073</b>	<b>212.4073</b>	<b>5.2700e-003</b>		<b>212.5390</b>

**3.4 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	0.7725					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>0.9533</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>

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**3.4 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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>

**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	0.7725					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>0.9533</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>



Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**3.4 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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>

**3.5 Demolition - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1087	0.0000	0.1087	0.0165	0.0000	0.0165			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698		1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>0.1087</b>	<b>0.2821</b>	<b>0.3908</b>	<b>0.0165</b>	<b>0.2698</b>	<b>0.2863</b>		<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**3.5 Demolition - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5200e-003	0.0868	0.0148	3.9000e-004	8.7600e-003	1.8000e-004	8.9400e-003	2.4000e-003	1.7000e-004	2.5800e-003		40.7539	40.7539	1.4500e-003		40.7902
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0324	0.4218	1.2300e-003	0.1277	8.0000e-004	0.1285	0.0339	7.4000e-004	0.0346		122.7878	122.7878	3.2900e-003		122.8699
<b>Total</b>	<b>0.0560</b>	<b>0.1192</b>	<b>0.4366</b>	<b>1.6200e-003</b>	<b>0.1365</b>	<b>9.8000e-004</b>	<b>0.1375</b>	<b>0.0363</b>	<b>9.1000e-004</b>	<b>0.0372</b>		<b>163.5417</b>	<b>163.5417</b>	<b>4.7400e-003</b>		<b>163.6601</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					0.0489	0.0000	0.0489	7.4000e-003	0.0000	7.4000e-003			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698	0.0000	1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>0.0489</b>	<b>0.2821</b>	<b>0.3310</b>	<b>7.4000e-003</b>	<b>0.2698</b>	<b>0.2772</b>	<b>0.0000</b>	<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**3.5 Demolition - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	2.5200e-003	0.0868	0.0148	3.9000e-004	8.7600e-003	1.8000e-004	8.9400e-003	2.4000e-003	1.7000e-004	2.5800e-003		40.7539	40.7539	1.4500e-003		40.7902
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0324	0.4218	1.2300e-003	0.1277	8.0000e-004	0.1285	0.0339	7.4000e-004	0.0346		122.7878	122.7878	3.2900e-003		122.8699
<b>Total</b>	<b>0.0560</b>	<b>0.1192</b>	<b>0.4366</b>	<b>1.6200e-003</b>	<b>0.1365</b>	<b>9.8000e-004</b>	<b>0.1375</b>	<b>0.0363</b>	<b>9.1000e-004</b>	<b>0.0372</b>		<b>163.5417</b>	<b>163.5417</b>	<b>4.7400e-003</b>		<b>163.6601</b>

**3.6 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>

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**3.6 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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>

**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>

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**3.6 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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>

**3.6 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>

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**3.6 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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>

**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>

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**3.6 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	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>

**3.7 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					0.7554	0.0000	0.7554	0.4142	0.0000	0.4142			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698		1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>0.7554</b>	<b>0.2821</b>	<b>1.0375</b>	<b>0.4142</b>	<b>0.2698</b>	<b>0.6840</b>		<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**3.7 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	9.0600e-003	0.3123	0.0532	1.4000e-003	0.0315	6.6000e-004	0.0322	8.6500e-003	6.3000e-004	9.2800e-003		146.7140	146.7140	5.2200e-003		146.8446
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0324	0.4218	1.2300e-003	0.1277	8.0000e-004	0.1285	0.0339	7.4000e-004	0.0346		122.7878	122.7878	3.2900e-003		122.8699
<b>Total</b>	<b>0.0626</b>	<b>0.3447</b>	<b>0.4750</b>	<b>2.6300e-003</b>	<b>0.1593</b>	<b>1.4600e-003</b>	<b>0.1607</b>	<b>0.0425</b>	<b>1.3700e-003</b>	<b>0.0439</b>		<b>269.5018</b>	<b>269.5018</b>	<b>8.5100e-003</b>		<b>269.7145</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					0.3399	0.0000	0.3399	0.1864	0.0000	0.1864			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698	0.0000	1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>0.3399</b>	<b>0.2821</b>	<b>0.6221</b>	<b>0.1864</b>	<b>0.2698</b>	<b>0.4562</b>	<b>0.0000</b>	<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>



Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**3.7 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	9.0600e-003	0.3123	0.0532	1.4000e-003	0.0315	6.6000e-004	0.0322	8.6500e-003	6.3000e-004	9.2800e-003		146.7140	146.7140	5.2200e-003		146.8446
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0535	0.0324	0.4218	1.2300e-003	0.1277	8.0000e-004	0.1285	0.0339	7.4000e-004	0.0346		122.7878	122.7878	3.2900e-003		122.8699
<b>Total</b>	<b>0.0626</b>	<b>0.3447</b>	<b>0.4750</b>	<b>2.6300e-003</b>	<b>0.1593</b>	<b>1.4600e-003</b>	<b>0.1607</b>	<b>0.0425</b>	<b>1.3700e-003</b>	<b>0.0439</b>		<b>269.5018</b>	<b>269.5018</b>	<b>8.5100e-003</b>		<b>269.7145</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	14.70	6.60	6.60	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 Light Industry	0.538831	0.031280	0.180238	0.098915	0.025981	0.005683	0.012706	0.096234	0.001312	0.001172	0.005254	0.001260	0.001133
Other Asphalt Surfaces	0.538831	0.031280	0.180238	0.098915	0.025981	0.005683	0.012706	0.096234	0.001312	0.001172	0.005254	0.001260	0.001133
Other Non-Asphalt Surfaces	0.538831	0.031280	0.180238	0.098915	0.025981	0.005683	0.012706	0.096234	0.001312	0.001172	0.005254	0.001260	0.001133

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

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

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	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 Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<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>

**6.0 Area Detail**

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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>

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	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>

**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**

Burney Water District Well No. 9 Project - Shasta County AQMD Air District, Summer

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

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

Equipment Type	Number
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**11.0 Vegetation**

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**Burney Water District Well No. 9 Project**  
**Shasta County AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.00	1000sqft	0.00	0.00	0
Other Asphalt Surfaces	0.00		0.10	0.00	0
Other Non-Asphalt Surfaces	0.00		0.14	0.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	82
<b>Climate Zone</b>	3			<b>Operational Year</b>	2024
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	641.35	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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



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Project Characteristics -

Land Use -

Construction Phase - Construction schedule provided by PACE Engineering. Building construction includes drilling of the well.

Grading - Grading information provided by PACE Engineering.

Demolition -

Architectural Coating - Architectural coating information provided by PACE Engineering.

Vehicle Trips - No increase in vehicle trips.

Water And Wastewater - No increase in water use.

Solid Waste - No increase in solid waste.

Construction Off-road Equipment Mitigation -

Energy Mitigation -

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Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Interior	0.00	200.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	3.00
tblConstructionPhase	NumDays	100.00	90.00
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	5.00	2.00
tblConstructionPhase	NumDays	1.00	14.00
tblConstructionPhase	PhaseEndDate	3/6/2024	2/29/2024
tblConstructionPhase	PhaseEndDate	2/21/2024	2/26/2024
tblConstructionPhase	PhaseEndDate	9/29/2023	10/9/2023
tblConstructionPhase	PhaseEndDate	10/4/2023	10/23/2023
tblConstructionPhase	PhaseEndDate	2/28/2024	3/4/2024
tblConstructionPhase	PhaseEndDate	10/2/2023	10/5/2023
tblConstructionPhase	PhaseStartDate	2/29/2024	2/27/2024
tblConstructionPhase	PhaseStartDate	10/5/2023	10/24/2023
tblConstructionPhase	PhaseStartDate	9/18/2023	10/6/2023
tblConstructionPhase	PhaseStartDate	10/3/2023	10/10/2023
tblConstructionPhase	PhaseStartDate	2/22/2024	3/1/2024
tblConstructionPhase	PhaseStartDate	9/30/2023	9/18/2023
tblGrading	MaterialExported	0.00	35.00
tblGrading	MaterialImported	0.00	145.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00

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**2.0 Emissions Summary**

**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	0.0236	0.2373	0.2492	4.4000e-004	8.9100e-003	0.0111	0.0201	2.8400e-003	0.0103	0.0132	0.0000	38.4296	38.4296	0.0111	0.0000	38.7062
2024	0.0144	0.1296	0.1552	2.5000e-004	2.2000e-004	6.1200e-003	6.3400e-003	6.0000e-005	5.6400e-003	5.7000e-003	0.0000	22.0453	22.0453	6.9500e-003	0.0000	22.2189
<b>Maximum</b>	<b>0.0236</b>	<b>0.2373</b>	<b>0.2492</b>	<b>4.4000e-004</b>	<b>8.9100e-003</b>	<b>0.0111</b>	<b>0.0201</b>	<b>2.8400e-003</b>	<b>0.0103</b>	<b>0.0132</b>	<b>0.0000</b>	<b>38.4296</b>	<b>38.4296</b>	<b>0.0111</b>	<b>0.0000</b>	<b>38.7062</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	0.0236	0.2373	0.2492	4.4000e-004	4.7300e-003	0.0111	0.0159	1.4700e-003	0.0103	0.0118	0.0000	38.4296	38.4296	0.0111	0.0000	38.7062
2024	0.0144	0.1296	0.1552	2.5000e-004	2.2000e-004	6.1200e-003	6.3400e-003	6.0000e-005	5.6400e-003	5.7000e-003	0.0000	22.0453	22.0453	6.9500e-003	0.0000	22.2189
<b>Maximum</b>	<b>0.0236</b>	<b>0.2373</b>	<b>0.2492</b>	<b>4.4000e-004</b>	<b>4.7300e-003</b>	<b>0.0111</b>	<b>0.0159</b>	<b>1.4700e-003</b>	<b>0.0103</b>	<b>0.0118</b>	<b>0.0000</b>	<b>38.4296</b>	<b>38.4296</b>	<b>0.0111</b>	<b>0.0000</b>	<b>38.7062</b>



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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						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>

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

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/18/2023	10/5/2023	5	14	
2	Paving	Paving	3/1/2024	3/4/2024	5	2	
3	Architectural Coating	Architectural Coating	2/27/2024	2/29/2024	5	3	
4	Demolition	Demolition	10/6/2023	10/9/2023	5	2	
5	Building Construction	Building Construction	10/24/2023	2/26/2024	5	90	
6	Grading	Grading	10/10/2023	10/23/2023	5	10	

**Acres of Grading (Site Preparation Phase): 7**

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

**Acres of Paving: 0.24**

**Residential Indoor: 200; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	1.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	18.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	0.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

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**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**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					3.7100e-003	0.0000	3.7100e-003	4.0000e-004	0.0000	4.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7400e-003	0.0433	0.0275	7.0000e-005		1.5900e-003	1.5900e-003		1.4600e-003	1.4600e-003	0.0000	5.9847	5.9847	1.9400e-003	0.0000	6.0331
<b>Total</b>	<b>3.7400e-003</b>	<b>0.0433</b>	<b>0.0275</b>	<b>7.0000e-005</b>	<b>3.7100e-003</b>	<b>1.5900e-003</b>	<b>5.3000e-003</b>	<b>4.0000e-004</b>	<b>1.4600e-003</b>	<b>1.8600e-003</b>	<b>0.0000</b>	<b>5.9847</b>	<b>5.9847</b>	<b>1.9400e-003</b>	<b>0.0000</b>	<b>6.0331</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	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	1.6000e-004	1.2000e-004	1.2000e-003	0.0000	4.3000e-004	0.0000	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.3491	0.3491	1.0000e-005	0.0000	0.3493
<b>Total</b>	<b>1.6000e-004</b>	<b>1.2000e-004</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>4.3000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.3491</b>	<b>0.3491</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3493</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					1.6700e-003	0.0000	1.6700e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7400e-003	0.0433	0.0275	7.0000e-005		1.5900e-003	1.5900e-003		1.4600e-003	1.4600e-003	0.0000	5.9847	5.9847	1.9400e-003	0.0000	6.0331
<b>Total</b>	<b>3.7400e-003</b>	<b>0.0433</b>	<b>0.0275</b>	<b>7.0000e-005</b>	<b>1.6700e-003</b>	<b>1.5900e-003</b>	<b>3.2600e-003</b>	<b>1.8000e-004</b>	<b>1.4600e-003</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>5.9847</b>	<b>5.9847</b>	<b>1.9400e-003</b>	<b>0.0000</b>	<b>6.0331</b>

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**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	1.6000e-004	1.2000e-004	1.2000e-003	0.0000	4.3000e-004	0.0000	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.3491	0.3491	1.0000e-005	0.0000	0.3493
<b>Total</b>	<b>1.6000e-004</b>	<b>1.2000e-004</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>4.3000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>0.3491</b>	<b>0.3491</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3493</b>

**3.3 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	5.9000e-004	5.2300e-003	7.0300e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.3000e-004	2.3000e-004	0.0000	0.9401	0.9401	2.7000e-004	0.0000	0.9469
Paving	1.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.2000e-004</b>	<b>5.2300e-003</b>	<b>7.0300e-003</b>	<b>1.0000e-005</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.9401</b>	<b>0.9401</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.9469</b>

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**3.3 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	8.0000e-005	6.0000e-005	5.7000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1726	0.1726	0.0000	0.0000	0.1727
<b>Total</b>	<b>8.0000e-005</b>	<b>6.0000e-005</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.1726</b>	<b>0.1726</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1727</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	5.9000e-004	5.2300e-003	7.0300e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.3000e-004	2.3000e-004	0.0000	0.9401	0.9401	2.7000e-004	0.0000	0.9469
Paving	1.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.2000e-004</b>	<b>5.2300e-003</b>	<b>7.0300e-003</b>	<b>1.0000e-005</b>		<b>2.4000e-004</b>	<b>2.4000e-004</b>		<b>2.3000e-004</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.9401</b>	<b>0.9401</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.9469</b>

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**3.3 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	8.0000e-005	6.0000e-005	5.7000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1726	0.1726	0.0000	0.0000	0.1727
<b>Total</b>	<b>8.0000e-005</b>	<b>6.0000e-005</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.1726</b>	<b>0.1726</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1727</b>

**3.4 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	1.1600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-004	1.8300e-003	2.7200e-003	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3835
<b>Total</b>	<b>1.4300e-003</b>	<b>1.8300e-003</b>	<b>2.7200e-003</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.3830</b>	<b>0.3830</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.3835</b>

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**3.4 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	1.1600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-004	1.8300e-003	2.7200e-003	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	0.3830	0.3830	2.0000e-005	0.0000	0.3835
<b>Total</b>	<b>1.4300e-003</b>	<b>1.8300e-003</b>	<b>2.7200e-003</b>	<b>0.0000</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>		<b>9.0000e-005</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.3830</b>	<b>0.3830</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.3835</b>

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**3.4 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

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

**3.5 Demolition - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1000e-004	0.0000	1.1000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5000e-004	5.7800e-003	7.3900e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.7000e-004	2.7000e-004	0.0000	1.0418	1.0418	1.9000e-004	0.0000	1.0466
<b>Total</b>	<b>6.5000e-004</b>	<b>5.7800e-003</b>	<b>7.3900e-003</b>	<b>1.0000e-005</b>	<b>1.1000e-004</b>	<b>2.8000e-004</b>	<b>3.9000e-004</b>	<b>2.0000e-005</b>	<b>2.7000e-004</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>1.0418</b>	<b>1.0418</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.0466</b>

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**3.5 Demolition - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	9.0000e-005	2.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0366	0.0366	0.0000	0.0000	0.0366
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	3.4000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0997	0.0997	0.0000	0.0000	0.0998
<b>Total</b>	<b>5.0000e-005</b>	<b>1.2000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.1363</b>	<b>0.1363</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1364</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					5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5000e-004	5.7800e-003	7.3900e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.7000e-004	2.7000e-004	0.0000	1.0418	1.0418	1.9000e-004	0.0000	1.0466
<b>Total</b>	<b>6.5000e-004</b>	<b>5.7800e-003</b>	<b>7.3900e-003</b>	<b>1.0000e-005</b>	<b>5.0000e-005</b>	<b>2.8000e-004</b>	<b>3.3000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>1.0418</b>	<b>1.0418</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.0466</b>

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**3.5 Demolition - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	9.0000e-005	2.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0366	0.0366	0.0000	0.0000	0.0366
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	3.4000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0997	0.0997	0.0000	0.0000	0.0998
<b>Total</b>	<b>5.0000e-005</b>	<b>1.2000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.1363</b>	<b>0.1363</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1364</b>

**3.6 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	0.0155	0.1573	0.1739	2.8000e-004		7.8500e-003	7.8500e-003		7.2200e-003	7.2200e-003	0.0000	24.5511	24.5511	7.9400e-003	0.0000	24.7496
<b>Total</b>	<b>0.0155</b>	<b>0.1573</b>	<b>0.1739</b>	<b>2.8000e-004</b>		<b>7.8500e-003</b>	<b>7.8500e-003</b>		<b>7.2200e-003</b>	<b>7.2200e-003</b>	<b>0.0000</b>	<b>24.5511</b>	<b>24.5511</b>	<b>7.9400e-003</b>	<b>0.0000</b>	<b>24.7496</b>



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**3.6 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	0.0000	0.0000	0.0000	0.0000	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					
Off-Road	0.0155	0.1573	0.1739	2.8000e-004		7.8500e-003	7.8500e-003		7.2200e-003	7.2200e-003	0.0000	24.5510	24.5510	7.9400e-003	0.0000	24.7495
<b>Total</b>	<b>0.0155</b>	<b>0.1573</b>	<b>0.1739</b>	<b>2.8000e-004</b>		<b>7.8500e-003</b>	<b>7.8500e-003</b>		<b>7.2200e-003</b>	<b>7.2200e-003</b>	<b>0.0000</b>	<b>24.5510</b>	<b>24.5510</b>	<b>7.9400e-003</b>	<b>0.0000</b>	<b>24.7495</b>

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**3.6 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	0.0000	0.0000	0.0000	0.0000	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>

**3.6 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	0.0122	0.1225	0.1449	2.3000e-004		5.7900e-003	5.7900e-003		5.3300e-003	5.3300e-003	0.0000	20.5497	20.5497	6.6500e-003	0.0000	20.7159
<b>Total</b>	<b>0.0122</b>	<b>0.1225</b>	<b>0.1449</b>	<b>2.3000e-004</b>		<b>5.7900e-003</b>	<b>5.7900e-003</b>		<b>5.3300e-003</b>	<b>5.3300e-003</b>	<b>0.0000</b>	<b>20.5497</b>	<b>20.5497</b>	<b>6.6500e-003</b>	<b>0.0000</b>	<b>20.7159</b>

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**3.6 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	0.0000	0.0000	0.0000	0.0000	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					
Off-Road	0.0122	0.1225	0.1449	2.3000e-004		5.7900e-003	5.7900e-003		5.3300e-003	5.3300e-003	0.0000	20.5497	20.5497	6.6500e-003	0.0000	20.7158
<b>Total</b>	<b>0.0122</b>	<b>0.1225</b>	<b>0.1449</b>	<b>2.3000e-004</b>		<b>5.7900e-003</b>	<b>5.7900e-003</b>		<b>5.3300e-003</b>	<b>5.3300e-003</b>	<b>0.0000</b>	<b>20.5497</b>	<b>20.5497</b>	<b>6.6500e-003</b>	<b>0.0000</b>	<b>20.7158</b>

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**3.6 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	0.0000	0.0000	0.0000	0.0000	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>

**3.7 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					3.7800e-003	0.0000	3.7800e-003	2.0700e-003	0.0000	2.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2300e-003	0.0289	0.0370	6.0000e-005		1.4100e-003	1.4100e-003		1.3500e-003	1.3500e-003	0.0000	5.2091	5.2091	9.5000e-004	0.0000	5.2328
<b>Total</b>	<b>3.2300e-003</b>	<b>0.0289</b>	<b>0.0370</b>	<b>6.0000e-005</b>	<b>3.7800e-003</b>	<b>1.4100e-003</b>	<b>5.1900e-003</b>	<b>2.0700e-003</b>	<b>1.3500e-003</b>	<b>3.4200e-003</b>	<b>0.0000</b>	<b>5.2091</b>	<b>5.2091</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>5.2328</b>

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**3.7 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	5.0000e-005	1.5900e-003	2.8000e-004	1.0000e-005	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.6588	0.6588	3.0000e-005	0.0000	0.6594
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	2.3000e-004	1.7000e-004	1.7100e-003	1.0000e-005	6.1000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4987	0.4987	1.0000e-005	0.0000	0.4990
<b>Total</b>	<b>2.8000e-004</b>	<b>1.7600e-003</b>	<b>1.9900e-003</b>	<b>2.0000e-005</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>7.6000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>1.1575</b>	<b>1.1575</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.1584</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					1.7000e-003	0.0000	1.7000e-003	9.3000e-004	0.0000	9.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2300e-003	0.0289	0.0370	6.0000e-005		1.4100e-003	1.4100e-003		1.3500e-003	1.3500e-003	0.0000	5.2091	5.2091	9.5000e-004	0.0000	5.2328
<b>Total</b>	<b>3.2300e-003</b>	<b>0.0289</b>	<b>0.0370</b>	<b>6.0000e-005</b>	<b>1.7000e-003</b>	<b>1.4100e-003</b>	<b>3.1100e-003</b>	<b>9.3000e-004</b>	<b>1.3500e-003</b>	<b>2.2800e-003</b>	<b>0.0000</b>	<b>5.2091</b>	<b>5.2091</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>5.2328</b>

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**3.7 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	5.0000e-005	1.5900e-003	2.8000e-004	1.0000e-005	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.6588	0.6588	3.0000e-005	0.0000	0.6594
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	2.3000e-004	1.7000e-004	1.7100e-003	1.0000e-005	6.1000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.4987	0.4987	1.0000e-005	0.0000	0.4990
<b>Total</b>	<b>2.8000e-004</b>	<b>1.7600e-003</b>	<b>1.9900e-003</b>	<b>2.0000e-005</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>7.6000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>1.1575</b>	<b>1.1575</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.1584</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	14.70	6.60	6.60	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 Light Industry	0.538831	0.031280	0.180238	0.098915	0.025981	0.005683	0.012706	0.096234	0.001312	0.001172	0.005254	0.001260	0.001133
Other Asphalt Surfaces	0.538831	0.031280	0.180238	0.098915	0.025981	0.005683	0.012706	0.096234	0.001312	0.001172	0.005254	0.001260	0.001133
Other Non-Asphalt Surfaces	0.538831	0.031280	0.180238	0.098915	0.025981	0.005683	0.012706	0.096234	0.001312	0.001172	0.005254	0.001260	0.001133







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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	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>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	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>

**6.0 Area Detail**



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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					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	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>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	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>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	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>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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