

# Appendix B

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## Air Quality Modeling Results

**Average Annual Daily Criteria Pollutant Emissions**

Augustin Bernal Mountain Bike Trail

<b>Unmitigated Construction</b>		tons			
Year	ROG	Nox	PM10 exh	PM2.5 exh	
2022	0.0708	0.7403	0.034	0.0312	
<b>Total</b>	<b>0.0708</b>	<b>0.7403</b>	<b>0.034</b>	<b>0.0312</b>	

<b>Unmitigated Construction</b>			average lbs/day	
Year	ROG	Nox	PM10 exh	PM2.5 exh
<b>Total</b>	<b>2.2</b>	<b>22.8</b>	<b>1.0</b>	<b>1.0</b>

Construction Duration: 65 days Total Duration

4/1/2022	6/30/2022	65
<b>Total</b>		<b>65</b>

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

**Augustin Bernal Mountain Bike Trail  
Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Recreational	3.30	User Defined Unit	3.30	143,748.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	4			<b>Operational Year</b>	2023
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	203.98	<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 - Augustin Bernal Mountain Bike Trail. BAAQMD.

Land Use - Trailbed and construction area = 1.3 ac (2,260 ft x 25 ft). The trailbed, construction area, and additional area = 2 ac (1,440 ft x 60ft width, 10 ft trail + 25 ft for easement)

Construction Phase - Construction would occur over a 3-month period beginning spring of 2022.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Trips and VMT - Default trips assumed.

Grading - Soils cuts and fills would be balanced on site, so no soil export would be needed. Up to 30 cubic yards of dirt and/or rock would be imported.

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	8.00	55.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	AcresOfGrading	15.00	7.50
tblGrading	AcresOfGrading	55.00	8.00
tblGrading	MaterialExported	0.00	30.00

**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					
2022	0.0708	0.7403	0.5306	1.0400e-003	0.2682	0.0340	0.3021	0.1426	0.0312	0.1739	0.0000	91.6686	91.6686	0.0287	1.1000e-004	92.4191
Maximum	0.0708	0.7403	0.5306	1.0400e-003	0.2682	0.0340	0.3021	0.1426	0.0312	0.1739	0.0000	91.6686	91.6686	0.0287	1.1000e-004	92.4191

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

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0708	0.7403	0.5306	1.0400e-003	0.2682	0.0340	0.3021	0.1426	0.0312	0.1739	0.0000	91.6685	91.6685	0.0287	1.1000e-004	92.4190
Maximum	0.0708	0.7403	0.5306	1.0400e-003	0.2682	0.0340	0.3021	0.1426	0.0312	0.1739	0.0000	91.6685	91.6685	0.0287	1.1000e-004	92.4190

	ROG	NOx	CO	SO2	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	4/1/2022	4/14/2022	5	10	
2	Grading	Grading	4/15/2022	6/30/2022	5	55	

**Acres of Grading (Site Preparation Phase): 7.5**

**Acres of Grading (Grading Phase): 8**

**Acres of Paving: 0**

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

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

**OffRoad Equipment**

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	4.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

**3.1 Mitigation Measures Construction**

**3.2 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0943	0.0000	0.0943	0.0501	0.0000	0.0501	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
<b>Total</b>	<b>0.0159</b>	<b>0.1654</b>	<b>0.0985</b>	<b>1.9000e-004</b>	<b>0.0943</b>	<b>8.0600e-003</b>	<b>0.1024</b>	<b>0.0501</b>	<b>7.4200e-003</b>	<b>0.0575</b>	<b>0.0000</b>	<b>16.7197</b>	<b>16.7197</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8549</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	2.1500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5683	0.5683	2.0000e-005	2.0000e-005	0.5737
<b>Total</b>	<b>2.5000e-004</b>	<b>1.8000e-004</b>	<b>2.1500e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.5683</b>	<b>0.5683</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.5737</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0943	0.0000	0.0943	0.0501	0.0000	0.0501	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
<b>Total</b>	<b>0.0159</b>	<b>0.1654</b>	<b>0.0985</b>	<b>1.9000e-004</b>	<b>0.0943</b>	<b>8.0600e-003</b>	<b>8.1024e-003</b>	<b>0.0501</b>	<b>7.4200e-003</b>	<b>0.0575</b>	<b>0.0000</b>	<b>16.7197</b>	<b>16.7197</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8549</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	2.1500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5683	0.5683	2.0000e-005	2.0000e-005	0.5737
<b>Total</b>	<b>2.5000e-004</b>	<b>1.8000e-004</b>	<b>2.1500e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.5683</b>	<b>0.5683</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.5737</b>



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

**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1699	0.0000	0.1699	0.0915	0.0000	0.0915	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0536	0.5735	0.4200	8.2000e-004		0.0259	0.0259		0.0238	0.0238	0.0000	71.6506	71.6506	0.0232	0.0000	72.2299
<b>Total</b>	<b>0.0536</b>	<b>0.5735</b>	<b>0.4200</b>	<b>8.2000e-004</b>	<b>0.1699</b>	<b>0.0259</b>	<b>0.1957</b>	<b>0.0915</b>	<b>0.0238</b>	<b>0.1153</b>	<b>0.0000</b>	<b>71.6506</b>	<b>71.6506</b>	<b>0.0232</b>	<b>0.0000</b>	<b>72.2299</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	3.4000e-004	7.0000e-005	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1254	0.1254	0.0000	2.0000e-005	0.1314
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	1.1300e-003	8.2000e-004	9.8500e-003	3.0000e-005	3.2600e-003	2.0000e-005	3.2800e-003	8.7000e-004	2.0000e-005	8.8000e-004	0.0000	2.6047	2.6047	8.0000e-005	8.0000e-005	2.6292
<b>Total</b>	<b>1.1400e-003</b>	<b>1.1600e-003</b>	<b>9.9200e-003</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>2.0000e-005</b>	<b>3.3200e-003</b>	<b>8.8000e-004</b>	<b>2.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.7300</b>	<b>2.7300</b>	<b>8.0000e-005</b>	<b>1.0000e-004</b>	<b>2.7606</b>

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

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1699	0.0000	0.1699	0.0915	0.0000	0.0915	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0536	0.5735	0.4200	8.2000e-004		0.0259	0.0259		0.0238	0.0238	0.0000	71.6505	71.6505	0.0232	0.0000	72.2299
<b>Total</b>	<b>0.0536</b>	<b>0.5735</b>	<b>0.4200</b>	<b>8.2000e-004</b>	<b>0.1699</b>	<b>0.0259</b>	<b>0.1957</b>	<b>0.0915</b>	<b>0.0238</b>	<b>0.1153</b>	<b>0.0000</b>	<b>71.6505</b>	<b>71.6505</b>	<b>0.0232</b>	<b>0.0000</b>	<b>72.2299</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	3.4000e-004	7.0000e-005	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1254	0.1254	0.0000	2.0000e-005	0.1314
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	1.1300e-003	8.2000e-004	9.8500e-003	3.0000e-005	3.2600e-003	2.0000e-005	3.2800e-003	8.7000e-004	2.0000e-005	8.8000e-004	0.0000	2.6047	2.6047	8.0000e-005	8.0000e-005	2.6292
<b>Total</b>	<b>1.1400e-003</b>	<b>1.1600e-003</b>	<b>9.9200e-003</b>	<b>3.0000e-005</b>	<b>3.2900e-003</b>	<b>2.0000e-005</b>	<b>3.3200e-003</b>	<b>8.8000e-004</b>	<b>2.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.7300</b>	<b>2.7300</b>	<b>8.0000e-005</b>	<b>1.0000e-004</b>	<b>2.7606</b>

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

**Augustin Bernal Mountain Bike Trail  
Bay Area AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Recreational	3.30	User Defined Unit	3.30	143,748.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	4			<b>Operational Year</b>	2023
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	203.98	<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 - Augustin Bernal Mountain Bike Trail. BAAQMD.

Land Use - Trailbed and construction area = 1.3 ac (2,260 ft x 25 ft). The trailbed, construction area, and additional area = 2 ac (1,440 ft x 60ft width, 10 ft trail + 25 ft for easement)

Construction Phase - Construction would occur over a 3-month period begining spring of 2022.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Trips and VMT - Default trips assumed.

Grading - Soils cuts and fills would be balanced on site, so no soil export would be needed. Up to 30 cubic yards of dirt and/or rock would be imported.

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	8.00	55.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	AcresOfGrading	15.00	7.50
tblGrading	AcresOfGrading	55.00	8.00
tblGrading	MaterialExported	0.00	30.00

**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					
2022	3.2225	33.1151	20.1625	0.0394	19.0095	1.6134	20.6228	10.0558	1.4843	11.5401	0.0000	3,819.8485	3,819.8485	1.1958	3.6000e-003	3,850.7445
Maximum	3.2225	33.1151	20.1625	0.0394	19.0095	1.6134	20.6228	10.0558	1.4843	11.5401	0.0000	3,819.8485	3,819.8485	1.1958	3.6000e-003	3,850.7445

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

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2225	33.1151	20.1625	0.0394	19.0095	1.6134	20.6228	10.0558	1.4843	11.5401	0.0000	3,819.8485	3,819.8485	1.1958	3.6000e-003	3,850.7445
Maximum	3.2225	33.1151	20.1625	0.0394	19.0095	1.6134	20.6228	10.0558	1.4843	11.5401	0.0000	3,819.8485	3,819.8485	1.1958	3.6000e-003	3,850.7445

	ROG	NOx	CO	SO2	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	4/1/2022	4/14/2022	5	10	
2	Grading	Grading	4/15/2022	6/30/2022	5	55	

**Acres of Grading (Site Preparation Phase): 7.5**

**Acres of Grading (Grading Phase): 8**

**Acres of Paving: 0**

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

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

**OffRoad Equipment**

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	4.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

**3.1 Mitigation Measures Construction**

**3.2 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.8616	0.0000	18.8616	10.0166	0.0000	10.0166			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.8616</b>	<b>1.6126</b>	<b>20.4742</b>	<b>10.0166</b>	<b>1.4836</b>	<b>11.5001</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0524	0.0316	0.4647	1.3200e-003	0.1479	7.7000e-004	0.1486	0.0392	7.1000e-004	0.0399		133.7866	133.7866	3.6700e-003	3.3600e-003	134.8789
<b>Total</b>	<b>0.0524</b>	<b>0.0316</b>	<b>0.4647</b>	<b>1.3200e-003</b>	<b>0.1479</b>	<b>7.7000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>7.1000e-004</b>	<b>0.0399</b>		<b>133.7866</b>	<b>133.7866</b>	<b>3.6700e-003</b>	<b>3.3600e-003</b>	<b>134.8789</b>

Augustin Bernal Mountain Bike Trail - Bay Area AQMD Air District, Summer

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/23/2021 9:57 AM

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

**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					18.8616	0.0000	18.8616	10.0166	0.0000	10.0166			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.8616</b>	<b>1.6126</b>	<b>20.4742</b>	<b>10.0166</b>	<b>1.4836</b>	<b>11.5001</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0524	0.0316	0.4647	1.3200e-003	0.1479	7.7000e-004	0.1486	0.0392	7.1000e-004	0.0399		133.7866	133.7866	3.6700e-003	3.3600e-003	134.8789
<b>Total</b>	<b>0.0524</b>	<b>0.0316</b>	<b>0.4647</b>	<b>1.3200e-003</b>	<b>0.1479</b>	<b>7.7000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>7.1000e-004</b>	<b>0.0399</b>		<b>133.7866</b>	<b>133.7866</b>	<b>3.6700e-003</b>	<b>3.3600e-003</b>	<b>134.8789</b>



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

**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1764	0.0000	6.1764	3.3269	0.0000	3.3269			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.1764</b>	<b>0.9409</b>	<b>7.1173</b>	<b>3.3269</b>	<b>0.8656</b>	<b>4.1925</b>		<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4000e-004	0.0121	2.6500e-003	5.0000e-005	1.2700e-003	1.1000e-004	1.3800e-003	3.5000e-004	1.1000e-004	4.6000e-004		5.0246	5.0246	1.7000e-004	8.0000e-004	5.2659
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	0.0436	0.0263	0.3872	1.1000e-003	0.1232	6.4000e-004	0.1239	0.0327	5.9000e-004	0.0333		111.4888	111.4888	3.0600e-003	2.8000e-003	112.3991
<b>Total</b>	<b>0.0440</b>	<b>0.0384</b>	<b>0.3899</b>	<b>1.1500e-003</b>	<b>0.1245</b>	<b>7.5000e-004</b>	<b>0.1252</b>	<b>0.0330</b>	<b>7.0000e-004</b>	<b>0.0337</b>		<b>116.5134</b>	<b>116.5134</b>	<b>3.2300e-003</b>	<b>3.6000e-003</b>	<b>117.6650</b>

Augustin Bernal Mountain Bike Trail - Bay Area AQMD Air District, Summer

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/23/2021 9:57 AM

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

**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					6.1764	0.0000	6.1764	3.3269	0.0000	3.3269			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.1764</b>	<b>0.9409</b>	<b>7.1173</b>	<b>3.3269</b>	<b>0.8656</b>	<b>4.1925</b>	<b>0.0000</b>	<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.4000e-004	0.0121	2.6500e-003	5.0000e-005	1.2700e-003	1.1000e-004	1.3800e-003	3.5000e-004	1.1000e-004	4.6000e-004		5.0246	5.0246	1.7000e-004	8.0000e-004	5.2659
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	0.0436	0.0263	0.3872	1.1000e-003	0.1232	6.4000e-004	0.1239	0.0327	5.9000e-004	0.0333		111.4888	111.4888	3.0600e-003	2.8000e-003	112.3991
<b>Total</b>	<b>0.0440</b>	<b>0.0384</b>	<b>0.3899</b>	<b>1.1500e-003</b>	<b>0.1245</b>	<b>7.5000e-004</b>	<b>0.1252</b>	<b>0.0330</b>	<b>7.0000e-004</b>	<b>0.0337</b>		<b>116.5134</b>	<b>116.5134</b>	<b>3.2300e-003</b>	<b>3.6000e-003</b>	<b>117.6650</b>

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

**Augustin Bernal Mountain Bike Trail  
Bay Area AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Recreational	3.30	User Defined Unit	3.30	143,748.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	4			<b>Operational Year</b>	2023
<b>Utility Company</b>	Pacific Gas and Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	203.98	<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 - Augustin Bernal Mountain Bike Trail. BAAQMD.

Land Use - Trailbed and construction area = 1.3 ac (2,260 ft x 25 ft). The trailbed, construction area, and additional area = 2 ac (1,440 ft x 60ft width, 10 ft trail + 25 ft for easement)

Construction Phase - Construction would occur over a 3-month period beginning spring of 2022.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Trips and VMT - Default trips assumed.

Grading - Soils cuts and fills would be balanced on site, so no soil export would be needed. Up to 30 cubic yards of dirt and/or rock would be imported.

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	8.00	55.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	AcresOfGrading	15.00	7.50
tblGrading	AcresOfGrading	55.00	8.00
tblGrading	MaterialExported	0.00	30.00

**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					
2022	3.2236	33.1225	20.1410	0.0393	19.0095	1.6134	20.6228	10.0558	1.4843	11.5401	0.0000	3,810.3419	3,810.3419	1.1963	4.0200e-003	3,841.4018
Maximum	3.2236	33.1225	20.1410	0.0393	19.0095	1.6134	20.6228	10.0558	1.4843	11.5401	0.0000	3,810.3419	3,810.3419	1.1963	4.0200e-003	3,841.4018

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

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2236	33.1225	20.1410	0.0393	19.0095	1.6134	20.6228	10.0558	1.4843	11.5401	0.0000	3,810.3419	3,810.3419	1.1963	4.0200e-003	3,841.4018
Maximum	3.2236	33.1225	20.1410	0.0393	19.0095	1.6134	20.6228	10.0558	1.4843	11.5401	0.0000	3,810.3419	3,810.3419	1.1963	4.0200e-003	3,841.4018

	ROG	NOx	CO	SO2	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	4/1/2022	4/14/2022	5	10	
2	Grading	Grading	4/15/2022	6/30/2022	5	55	

**Acres of Grading (Site Preparation Phase): 7.5**

**Acres of Grading (Grading Phase): 8**

**Acres of Paving: 0**

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

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

**OffRoad Equipment**

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	4.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

**3.1 Mitigation Measures Construction**

**3.2 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.8616	0.0000	18.8616	10.0166	0.0000	10.0166			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.8616</b>	<b>1.6126</b>	<b>20.4742</b>	<b>10.0166</b>	<b>1.4836</b>	<b>11.5001</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0535	0.0390	0.4432	1.2300e-003	0.1479	7.7000e-004	0.1486	0.0392	7.1000e-004	0.0399		124.2800	124.2800	4.1600e-003	3.8700e-003	125.5363
<b>Total</b>	<b>0.0535</b>	<b>0.0390</b>	<b>0.4432</b>	<b>1.2300e-003</b>	<b>0.1479</b>	<b>7.7000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>7.1000e-004</b>	<b>0.0399</b>		<b>124.2800</b>	<b>124.2800</b>	<b>4.1600e-003</b>	<b>3.8700e-003</b>	<b>125.5363</b>

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

**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					18.8616	0.0000	18.8616	10.0166	0.0000	10.0166			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>18.8616</b>	<b>1.6126</b>	<b>20.4742</b>	<b>10.0166</b>	<b>1.4836</b>	<b>11.5001</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0535	0.0390	0.4432	1.2300e-003	0.1479	7.7000e-004	0.1486	0.0392	7.1000e-004	0.0399		124.2800	124.2800	4.1600e-003	3.8700e-003	125.5363
<b>Total</b>	<b>0.0535</b>	<b>0.0390</b>	<b>0.4432</b>	<b>1.2300e-003</b>	<b>0.1479</b>	<b>7.7000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>7.1000e-004</b>	<b>0.0399</b>		<b>124.2800</b>	<b>124.2800</b>	<b>4.1600e-003</b>	<b>3.8700e-003</b>	<b>125.5363</b>



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

**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1764	0.0000	6.1764	3.3269	0.0000	3.3269			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.1764</b>	<b>0.9409</b>	<b>7.1173</b>	<b>3.3269</b>	<b>0.8656</b>	<b>4.1925</b>		<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.3000e-004	0.0127	2.6900e-003	5.0000e-005	1.2700e-003	1.1000e-004	1.3800e-003	3.5000e-004	1.1000e-004	4.6000e-004		5.0262	5.0262	1.7000e-004	8.0000e-004	5.2676
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	0.0446	0.0325	0.3694	1.0200e-003	0.1232	6.4000e-004	0.1239	0.0327	5.9000e-004	0.0333		103.5667	103.5667	3.4600e-003	3.2200e-003	104.6136
<b>Total</b>	<b>0.0449</b>	<b>0.0452</b>	<b>0.3720</b>	<b>1.0700e-003</b>	<b>0.1245</b>	<b>7.5000e-004</b>	<b>0.1252</b>	<b>0.0330</b>	<b>7.0000e-004</b>	<b>0.0337</b>		<b>108.5929</b>	<b>108.5929</b>	<b>3.6300e-003</b>	<b>4.0200e-003</b>	<b>109.8812</b>

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

**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					6.1764	0.0000	6.1764	3.3269	0.0000	3.3269			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>6.1764</b>	<b>0.9409</b>	<b>7.1173</b>	<b>3.3269</b>	<b>0.8656</b>	<b>4.1925</b>	<b>0.0000</b>	<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.3000e-004	0.0127	2.6900e-003	5.0000e-005	1.2700e-003	1.1000e-004	1.3800e-003	3.5000e-004	1.1000e-004	4.6000e-004		5.0262	5.0262	1.7000e-004	8.0000e-004	5.2676
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	0.0446	0.0325	0.3694	1.0200e-003	0.1232	6.4000e-004	0.1239	0.0327	5.9000e-004	0.0333		103.5667	103.5667	3.4600e-003	3.2200e-003	104.6136
<b>Total</b>	<b>0.0449</b>	<b>0.0452</b>	<b>0.3720</b>	<b>1.0700e-003</b>	<b>0.1245</b>	<b>7.5000e-004</b>	<b>0.1252</b>	<b>0.0330</b>	<b>7.0000e-004</b>	<b>0.0337</b>		<b>108.5929</b>	<b>108.5929</b>	<b>3.6300e-003</b>	<b>4.0200e-003</b>	<b>109.8812</b>