

06232010 Meyers Avenue Industrial Project - San Diego County, Summer

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

**06232010 Meyers Avenue Industrial Project**

**San Diego County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                        | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| General Office Building          | 17.15  | 1000sqft | 0.00        | 17,150.00          | 0          |
| Unrefrigerated Warehouse-No Rail | 33.65  | 1000sqft | 0.77        | 33,650.00          | 0          |
| Other Non-Asphalt Surfaces       | 2.00   | Acre     | 2.00        | 87,120.00          | 0          |
| Parking Lot                      | 190.00 | Space    | 1.71        | 76,000.00          | 0          |
| Manufacturing                    | 21.65  | 1000sqft | 0.50        | 21,650.00          | 0          |

**1.2 Other Project Characteristics**

|                                |                          |                                |       |                                  |       |
|--------------------------------|--------------------------|--------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>            | Urban                    | <b>Wind Speed (m/s)</b>        | 2.6   | <b>Precipitation Freq (Days)</b> | 40    |
| <b>Climate Zone</b>            | 13                       | <b>Operational Year</b>        | 2023  |                                  |       |
| <b>Utility Company</b>         | San Diego Gas & Electric |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 539.98                   | <b>CH4 Intensity (lb/MWhr)</b> | 0.033 | <b>N2O Intensity (lb/MWhr)</b>   | 0.004 |

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

Project Characteristics -

Land Use - ~5 ac w/ a 68.9 TSF building with 51.75 TSF industrial & 17.15 TSF office (includes 10.8 TSF of mezzanine office use), 190 space parking lot, & rmdnr harscape/landscaping (~2.06 ac).

Construction Phase - Project operational by December 2023 w/ construction starting November/December 2022. Assumed early November 2022 start and November 2023 end.

Off-road Equipment - CalEEMod default construction timing for building construction phase reduced by ~15%; therefore, ~15% more equipment was added to the building construction phase.

Trips and VMT -

Grading - ~14,000 CY of export anticipated.

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Architectural Coating - Assumed compliance with SDAPCD Rule 67.0.1

Vehicle Trips - Per proposed project trip gen provided by Linscott, Law & Greenspan Engineers, of 20 trips/TSF/day for office uses & 5 trips/TSF/day for industrial uses.

Area Coating - Assumed compliance with SDAPCD Rule 67.0.1

Sequestration - Per landscape plan

Construction Off-road Equipment Mitigation - Assumed compliance with SDAPCD Rules 52 and 54, watering 2x per day & 15 mph on unpaved roads.

Mobile Land Use Mitigation - Site is ~0.25 miles west of NCTD Rte 305 Mission Rd/Barham Ln & ~2.54 miles NW downtown portion of Escondido.

Mobile Commute Mitigation -

Area Mitigation - Assumed compliance with SDAPCD Rule 67.0.1

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

| Table Name              | Column Name                     | Default Value | New Value |
|-------------------------|---------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior      | 250.00        | 50.00     |
| tblArchitecturalCoating | EF_Nonresidential_Interior      | 250.00        | 50.00     |
| tblArchitecturalCoating | EF_Parking                      | 250.00        | 100.00    |
| tblArchitecturalCoating | EF_Residential_Exterior         | 250.00        | 50.00     |
| tblArchitecturalCoating | EF_Residential_Interior         | 250.00        | 50.00     |
| tblAreaCoating          | Area_EF_Nonresidential_Exterior | 250           | 50        |
| tblAreaCoating          | Area_EF_Nonresidential_Interior | 250           | 50        |
| tblAreaCoating          | Area_EF_Parking                 | 250           | 100       |
| tblAreaCoating          | Area_EF_Residential_Exterior    | 250           | 50        |
| tblAreaCoating          | Area_EF_Residential_Interior    | 250           | 50        |
| tblConstDustMitigation  | WaterUnpavedRoadVehicleSpeed    | 0             | 15        |
| tblGrading              | MaterialExported                | 0.00          | 14,000.00 |
| tblLandUse              | LotAcreage                      | 0.39          | 0.00      |
| tblSequestration        | NumberOfNewTrees                | 0.00          | 52.00     |
| tblVehicleTrips         | ST_TR                           | 2.21          | 20.00     |
| tblVehicleTrips         | ST_TR                           | 1.74          | 5.00      |

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|                 |       |      |       |
|-----------------|-------|------|-------|
| tblVehicleTrips | ST_TR | 6.42 | 5.00  |
| tblVehicleTrips | SU_TR | 0.70 | 20.00 |
| tblVehicleTrips | SU_TR | 1.74 | 5.00  |
| tblVehicleTrips | SU_TR | 5.09 | 5.00  |
| tblVehicleTrips | WD_TR | 9.74 | 20.00 |
| tblVehicleTrips | WD_TR | 1.74 | 5.00  |
| tblVehicleTrips | WD_TR | 3.93 | 5.00  |

**2.0 Emissions Summary**

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

**2.1 Overall Construction (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           | 2.9728         | 56.4111        | 24.2976        | 0.1680        | 11.2776        | 1.2838        | 12.5614        | 4.5433         | 1.1936        | 5.7370        | 0.0000        | 18,098.1148        | 18,098.1148        | 1.6589        | 2.4035        | 18,855.8276        |
| 2023           | 21.4197        | 16.2215        | 19.1807        | 0.0420        | 1.0610         | 0.7142        | 1.7752         | 0.2874         | 0.6721        | 0.9595        | 0.0000        | 4,137.8610         | 4,137.8610         | 0.6533        | 0.1426        | 4,196.6764         |
| <b>Maximum</b> | <b>21.4197</b> | <b>56.4111</b> | <b>24.2976</b> | <b>0.1680</b> | <b>11.2776</b> | <b>1.2838</b> | <b>12.5614</b> | <b>4.5433</b>  | <b>1.1936</b> | <b>5.7370</b> | <b>0.0000</b> | <b>18,098.1148</b> | <b>18,098.1148</b> | <b>1.6589</b> | <b>2.4035</b> | <b>18,855.8276</b> |

**Mitigated Construction**

|                | ROG            | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year           | lb/day         |                |                |               |               |               |               |                |               |               | lb/day        |                    |                    |               |               |                    |
| 2022           | 2.9728         | 56.4111        | 24.2976        | 0.1680        | 7.2469        | 1.2838        | 8.5307        | 2.6393         | 1.1936        | 3.8329        | 0.0000        | 18,098.1148        | 18,098.1148        | 1.6589        | 2.4035        | 18,855.8276        |
| 2023           | 21.4197        | 16.2215        | 19.1807        | 0.0420        | 1.0610        | 0.7142        | 1.7752        | 0.2874         | 0.6721        | 0.9595        | 0.0000        | 4,137.8610         | 4,137.8610         | 0.6533        | 0.1426        | 4,196.6764         |
| <b>Maximum</b> | <b>21.4197</b> | <b>56.4111</b> | <b>24.2976</b> | <b>0.1680</b> | <b>7.2469</b> | <b>1.2838</b> | <b>8.5307</b> | <b>2.6393</b>  | <b>1.1936</b> | <b>3.8329</b> | <b>0.0000</b> | <b>18,098.1148</b> | <b>18,098.1148</b> | <b>1.6589</b> | <b>2.4035</b> | <b>18,855.8276</b> |



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

**2.2 Overall Operational**

**Unmitigated Operational**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Area         | 1.7151        | 2.5000e-004   | 0.0270         | 0.0000        |               | 1.0000e-004   | 1.0000e-004   |                | 1.0000e-004   | 1.0000e-004   |          | 0.0579            | 0.0579            | 1.5000e-004   |               | 0.0617            |
| Energy       | 0.0192        | 0.1742        | 0.1463         | 1.0500e-003   |               | 0.0132        | 0.0132        |                | 0.0132        | 0.0132        |          | 209.0073          | 209.0073          | 4.0100e-003   | 3.8300e-003   | 210.2493          |
| Mobile       | 1.7899        | 1.8045        | 15.7046        | 0.0337        | 3.4249        | 0.0257        | 3.4506        | 0.9123         | 0.0240        | 0.9364        |          | 3,469.7383        | 3,469.7383        | 0.2341        | 0.1476        | 3,519.5802        |
| <b>Total</b> | <b>3.5242</b> | <b>1.9789</b> | <b>15.8780</b> | <b>0.0348</b> | <b>3.4249</b> | <b>0.0391</b> | <b>3.4640</b> | <b>0.9123</b>  | <b>0.0374</b> | <b>0.9497</b> |          | <b>3,678.8035</b> | <b>3,678.8035</b> | <b>0.2383</b> | <b>0.1514</b> | <b>3,729.8911</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         | 1.7151        | 2.5000e-004   | 0.0270         | 0.0000        |               | 1.0000e-004   | 1.0000e-004   |                | 1.0000e-004   | 1.0000e-004   |          | 0.0579            | 0.0579            | 1.5000e-004   |               | 0.0617            |
| Energy       | 0.0192        | 0.1742        | 0.1463         | 1.0500e-003   |               | 0.0132        | 0.0132        |                | 0.0132        | 0.0132        |          | 209.0073          | 209.0073          | 4.0100e-003   | 3.8300e-003   | 210.2493          |
| Mobile       | 1.5461        | 1.3827        | 11.9211        | 0.0241        | 2.4172        | 0.0189        | 2.4361        | 0.6439         | 0.0176        | 0.6615        |          | 2,474.9700        | 2,474.9700        | 0.1861        | 0.1146        | 2,513.7606        |
| <b>Total</b> | <b>3.2804</b> | <b>1.5571</b> | <b>12.0944</b> | <b>0.0251</b> | <b>2.4172</b> | <b>0.0322</b> | <b>2.4494</b> | <b>0.6439</b>  | <b>0.0310</b> | <b>0.6749</b> |          | <b>2,684.0351</b> | <b>2,684.0351</b> | <b>0.1903</b> | <b>0.1184</b> | <b>2,724.0715</b> |

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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  |
|-------------------|------|-------|-------|-------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-------|-------|-------|
| Percent Reduction | 6.92 | 21.31 | 23.83 | 27.80 | 29.42         | 17.50        | 29.29      | 29.42          | 17.11         | 28.94       | 0.00     | 27.04    | 27.04     | 20.14 | 21.82 | 26.97 |

**3.0 Construction Detail**

**Construction Phase**

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Grading               | Grading               | 11/1/2022  | 11/10/2022 | 5             | 8        |                   |
| 2            | Building Construction | Building Construction | 11/11/2022 | 9/28/2023  | 5             | 230      |                   |
| 3            | Paving                | Paving                | 9/29/2023  | 10/24/2023 | 5             | 18       |                   |
| 4            | Architectural Coating | Architectural Coating | 10/25/2023 | 11/17/2023 | 5             | 18       |                   |

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

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

**Acres of Paving: 3.71**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 108,675; Non-Residential Outdoor: 36,225; Striped Parking Area: 9,787 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |

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|                       |                           |   |      |     |      |
|-----------------------|---------------------------|---|------|-----|------|
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Building Construction | Welders                   | 1 | 8.00 | 46  | 0.45 |
| Paving                | Cement and Mortar Mixers  | 2 | 6.00 | 9   | 0.56 |
| Paving                | Pavers                    | 1 | 8.00 | 130 | 0.42 |
| Paving                | Paving Equipment          | 2 | 6.00 | 132 | 0.36 |
| Paving                | Rollers                   | 2 | 6.00 | 80  | 0.38 |
| Paving                | Tractors/Loaders/Backhoes | 1 | 8.00 | 97  | 0.37 |
| Architectural Coating | Air Compressors           | 1 | 6.00 | 78  | 0.48 |

**Trips and VMT**

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading               | 6                       | 15.00              | 0.00               | 1,750.00            | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 97.00              | 39.00              | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 8                       | 20.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 19.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads



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**3.2 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 |               |                |                |               | 7.3285        | 0.0000        | 7.3285        | 3.4620         | 0.0000        | 3.4620        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        |          | 2,872.046<br>4         | 2,872.046<br>4         | 0.9289        |     | 2,895.268<br>4         |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>7.3285</b> | <b>0.9409</b> | <b>8.2694</b> | <b>3.4620</b>  | <b>0.8656</b> | <b>4.3276</b> |          | <b>2,872.046<br/>4</b> | <b>2,872.046<br/>4</b> | <b>0.9289</b> |     | <b>2,895.268<br/>4</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2               | Total CO2               | CH4           | N2O           | CO2e                    |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------------|-------------------------|---------------|---------------|-------------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                         |                         |               |               |                         |
| Hauling      | 0.9803        | 35.5274        | 8.6359        | 0.1373        | 3.8259        | 0.3422        | 4.1681        | 1.0487         | 0.3274        | 1.3761        |          | 15,111.67<br>77         | 15,111.67<br>77         | 0.7268        | 2.4005        | 15,845.20<br>76         |
| 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       | 0.0438        | 0.0285         | 0.3889        | 1.1200e-003   | 0.1232        | 7.0000e-004   | 0.1239        | 0.0327         | 6.4000e-004   | 0.0333        |          | 114.3907                | 114.3907                | 3.2800e-003   | 2.9500e-003   | 115.3516                |
| <b>Total</b> | <b>1.0241</b> | <b>35.5559</b> | <b>9.0249</b> | <b>0.1384</b> | <b>3.9491</b> | <b>0.3429</b> | <b>4.2920</b> | <b>1.0814</b>  | <b>0.3281</b> | <b>1.4094</b> |          | <b>15,226.06<br/>84</b> | <b>15,226.06<br/>84</b> | <b>0.7300</b> | <b>2.4035</b> | <b>15,960.55<br/>93</b> |

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**3.2 Grading - 2022**

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 3.2978        | 0.0000        | 3.2978        | 1.5579         | 0.0000        | 1.5579        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        | 0.0000        | 2,872.046<br>4         | 2,872.046<br>4         | 0.9289        |     | 2,895.268<br>4         |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>3.2978</b> | <b>0.9409</b> | <b>4.2387</b> | <b>1.5579</b>  | <b>0.8656</b> | <b>2.4235</b> | <b>0.0000</b> | <b>2,872.046<br/>4</b> | <b>2,872.046<br/>4</b> | <b>0.9289</b> |     | <b>2,895.268<br/>4</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2               | Total CO2               | CH4           | N2O           | CO2e                    |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------------|-------------------------|---------------|---------------|-------------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                         |                         |               |               |                         |
| Hauling      | 0.9803        | 35.5274        | 8.6359        | 0.1373        | 3.8259        | 0.3422        | 4.1681        | 1.0487         | 0.3274        | 1.3761        |          | 15,111.67<br>77         | 15,111.67<br>77         | 0.7268        | 2.4005        | 15,845.20<br>76         |
| 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       | 0.0438        | 0.0285         | 0.3889        | 1.1200e-003   | 0.1232        | 7.0000e-004   | 0.1239        | 0.0327         | 6.4000e-004   | 0.0333        |          | 114.3907                | 114.3907                | 3.2800e-003   | 2.9500e-003   | 115.3516                |
| <b>Total</b> | <b>1.0241</b> | <b>35.5559</b> | <b>9.0249</b> | <b>0.1384</b> | <b>3.9491</b> | <b>0.3429</b> | <b>4.2920</b> | <b>1.0814</b>  | <b>0.3281</b> | <b>1.4094</b> |          | <b>15,226.06<br/>84</b> | <b>15,226.06<br/>84</b> | <b>0.7300</b> | <b>2.4035</b> | <b>15,960.55<br/>93</b> |

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

**3.3 Building Construction - 2022**

**Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.7062        | 15.6156        | 16.3634        | 0.0269        |               | 0.8090        | 0.8090        |                | 0.7612        | 0.7612        |          | 2,554.3336        | 2,554.3336        | 0.6120        |     | 2,569.6322        |
| <b>Total</b> | <b>1.7062</b> | <b>15.6156</b> | <b>16.3634</b> | <b>0.0269</b> |               | <b>0.8090</b> | <b>0.8090</b> |                | <b>0.7612</b> | <b>0.7612</b> |          | <b>2,554.3336</b> | <b>2,554.3336</b> | <b>0.6120</b> |     | <b>2,569.6322</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Vendor       | 0.0869        | 2.0741        | 0.6938        | 8.3200e-003   | 0.2641        | 0.0226        | 0.2867        | 0.0760         | 0.0216        | 0.0976        |          | 896.3199          | 896.3199          | 0.0273        | 0.1301        | 935.7715          |
| Worker       | 0.2832        | 0.1844        | 2.5151        | 7.2700e-003   | 0.7968        | 4.5100e-003   | 0.8013        | 0.2114         | 4.1500e-003   | 0.2155        |          | 739.7264          | 739.7264          | 0.0212        | 0.0191        | 745.9404          |
| <b>Total</b> | <b>0.3701</b> | <b>2.2584</b> | <b>3.2090</b> | <b>0.0156</b> | <b>1.0610</b> | <b>0.0271</b> | <b>1.0880</b> | <b>0.2874</b>  | <b>0.0257</b> | <b>0.3131</b> |          | <b>1,636.0464</b> | <b>1,636.0464</b> | <b>0.0485</b> | <b>0.1492</b> | <b>1,681.7119</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Summer

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

**3.3 Building Construction - 2022**

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.7062        | 15.6156        | 16.3634        | 0.0269        |               | 0.8090        | 0.8090        |                | 0.7612        | 0.7612        | 0.0000        | 2,554.3336        | 2,554.3336        | 0.6120        |     | 2,569.6322        |
| <b>Total</b> | <b>1.7062</b> | <b>15.6156</b> | <b>16.3634</b> | <b>0.0269</b> |               | <b>0.8090</b> | <b>0.8090</b> |                | <b>0.7612</b> | <b>0.7612</b> | <b>0.0000</b> | <b>2,554.3336</b> | <b>2,554.3336</b> | <b>0.6120</b> |     | <b>2,569.6322</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Vendor       | 0.0869        | 2.0741        | 0.6938        | 8.3200e-003   | 0.2641        | 0.0226        | 0.2867        | 0.0760         | 0.0216        | 0.0976        |          | 896.3199          | 896.3199          | 0.0273        | 0.1301        | 935.7715          |
| Worker       | 0.2832        | 0.1844        | 2.5151        | 7.2700e-003   | 0.7968        | 4.5100e-003   | 0.8013        | 0.2114         | 4.1500e-003   | 0.2155        |          | 739.7264          | 739.7264          | 0.0212        | 0.0191        | 745.9404          |
| <b>Total</b> | <b>0.3701</b> | <b>2.2584</b> | <b>3.2090</b> | <b>0.0156</b> | <b>1.0610</b> | <b>0.0271</b> | <b>1.0880</b> | <b>0.2874</b>  | <b>0.0257</b> | <b>0.3131</b> |          | <b>1,636.0464</b> | <b>1,636.0464</b> | <b>0.0485</b> | <b>0.1492</b> | <b>1,681.7119</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Summer

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

**3.3 Building Construction - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.5728        | 14.3849        | 16.2440        | 0.0269        |               | 0.6997        | 0.6997        |                | 0.6584        | 0.6584        |          | 2,555.2099        | 2,555.2099        | 0.6079        |     | 2,570.4061        |
| <b>Total</b> | <b>1.5728</b> | <b>14.3849</b> | <b>16.2440</b> | <b>0.0269</b> |               | <b>0.6997</b> | <b>0.6997</b> |                | <b>0.6584</b> | <b>0.6584</b> |          | <b>2,555.2099</b> | <b>2,555.2099</b> | <b>0.6079</b> |     | <b>2,570.4061</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Vendor       | 0.0466        | 1.6718        | 0.6025        | 7.9900e-003   | 0.2641        | 0.0102        | 0.2743        | 0.0760         | 9.7400e-003   | 0.0858        |          | 862.0831          | 862.0831          | 0.0261        | 0.1248        | 899.9336          |
| Worker       | 0.2653        | 0.1647        | 2.3342        | 7.0400e-003   | 0.7968        | 4.2900e-003   | 0.8011        | 0.2114         | 3.9500e-003   | 0.2153        |          | 720.5679          | 720.5679          | 0.0193        | 0.0177        | 726.3367          |
| <b>Total</b> | <b>0.3118</b> | <b>1.8366</b> | <b>2.9367</b> | <b>0.0150</b> | <b>1.0610</b> | <b>0.0145</b> | <b>1.0754</b> | <b>0.2874</b>  | <b>0.0137</b> | <b>0.3011</b> |          | <b>1,582.6511</b> | <b>1,582.6511</b> | <b>0.0454</b> | <b>0.1426</b> | <b>1,626.2703</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Summer

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

**3.3 Building Construction - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.5728        | 14.3849        | 16.2440        | 0.0269        |               | 0.6997        | 0.6997        |                | 0.6584        | 0.6584        | 0.0000        | 2,555.2099        | 2,555.2099        | 0.6079        |     | 2,570.4061        |
| <b>Total</b> | <b>1.5728</b> | <b>14.3849</b> | <b>16.2440</b> | <b>0.0269</b> |               | <b>0.6997</b> | <b>0.6997</b> |                | <b>0.6584</b> | <b>0.6584</b> | <b>0.0000</b> | <b>2,555.2099</b> | <b>2,555.2099</b> | <b>0.6079</b> |     | <b>2,570.4061</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Vendor       | 0.0466        | 1.6718        | 0.6025        | 7.9900e-003   | 0.2641        | 0.0102        | 0.2743        | 0.0760         | 9.7400e-003   | 0.0858        |          | 862.0831          | 862.0831          | 0.0261        | 0.1248        | 899.9336          |
| Worker       | 0.2653        | 0.1647        | 2.3342        | 7.0400e-003   | 0.7968        | 4.2900e-003   | 0.8011        | 0.2114         | 3.9500e-003   | 0.2153        |          | 720.5679          | 720.5679          | 0.0193        | 0.0177        | 726.3367          |
| <b>Total</b> | <b>0.3118</b> | <b>1.8366</b> | <b>2.9367</b> | <b>0.0150</b> | <b>1.0610</b> | <b>0.0145</b> | <b>1.0754</b> | <b>0.2874</b>  | <b>0.0137</b> | <b>0.3011</b> |          | <b>1,582.6511</b> | <b>1,582.6511</b> | <b>0.0454</b> | <b>0.1426</b> | <b>1,626.2703</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Summer

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

**3.4 Paving - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.9181        | 8.7903        | 12.1905        | 0.0189        |               | 0.4357        | 0.4357        |                | 0.4025        | 0.4025        |          | 1,805.4304        | 1,805.4304        | 0.5673        |     | 1,819.6122        |
| Paving       | 0.2489        |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1670</b> | <b>8.7903</b> | <b>12.1905</b> | <b>0.0189</b> |               | <b>0.4357</b> | <b>0.4357</b> |                | <b>0.4025</b> | <b>0.4025</b> |          | <b>1,805.4304</b> | <b>1,805.4304</b> | <b>0.5673</b> |     | <b>1,819.6122</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       | 0.0547        | 0.0340        | 0.4813        | 1.4500e-003        | 0.1643        | 8.8000e-004        | 0.1652        | 0.0436         | 8.1000e-004        | 0.0444        |          | 148.5707        | 148.5707        | 3.9800e-003        | 3.6600e-003        | 149.7602        |
| <b>Total</b> | <b>0.0547</b> | <b>0.0340</b> | <b>0.4813</b> | <b>1.4500e-003</b> | <b>0.1643</b> | <b>8.8000e-004</b> | <b>0.1652</b> | <b>0.0436</b>  | <b>8.1000e-004</b> | <b>0.0444</b> |          | <b>148.5707</b> | <b>148.5707</b> | <b>3.9800e-003</b> | <b>3.6600e-003</b> | <b>149.7602</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Summer

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

**3.4 Paving - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.9181        | 8.7903        | 12.1905        | 0.0189        |               | 0.4357        | 0.4357        |                | 0.4025        | 0.4025        | 0.0000        | 1,805.4304        | 1,805.4304        | 0.5673        |     | 1,819.6122        |
| Paving       | 0.2489        |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1670</b> | <b>8.7903</b> | <b>12.1905</b> | <b>0.0189</b> |               | <b>0.4357</b> | <b>0.4357</b> |                | <b>0.4025</b> | <b>0.4025</b> | <b>0.0000</b> | <b>1,805.4304</b> | <b>1,805.4304</b> | <b>0.5673</b> |     | <b>1,819.6122</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       | 0.0547        | 0.0340        | 0.4813        | 1.4500e-003        | 0.1643        | 8.8000e-004        | 0.1652        | 0.0436         | 8.1000e-004        | 0.0444        |          | 148.5707        | 148.5707        | 3.9800e-003        | 3.6600e-003        | 149.7602        |
| <b>Total</b> | <b>0.0547</b> | <b>0.0340</b> | <b>0.4813</b> | <b>1.4500e-003</b> | <b>0.1643</b> | <b>8.8000e-004</b> | <b>0.1652</b> | <b>0.0436</b>  | <b>8.1000e-004</b> | <b>0.0444</b> |          | <b>148.5707</b> | <b>148.5707</b> | <b>3.9800e-003</b> | <b>3.6600e-003</b> | <b>149.7602</b> |



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

**3.5 Architectural Coating - 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   |                 |                 |               |     |                 |
| Archit. Coating | 21.1760        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.1917         | 1.3030        | 1.8111        | 2.9700e-003        |               | 0.0708        | 0.0708        |                | 0.0708        | 0.0708        |          | 281.4481        | 281.4481        | 0.0168        |     | 281.8690        |
| <b>Total</b>    | <b>21.3677</b> | <b>1.3030</b> | <b>1.8111</b> | <b>2.9700e-003</b> |               | <b>0.0708</b> | <b>0.0708</b> |                | <b>0.0708</b> | <b>0.0708</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0168</b> |     | <b>281.8690</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       | 0.0520        | 0.0323        | 0.4572        | 1.3800e-003        | 0.1561        | 8.4000e-004        | 0.1569        | 0.0414         | 7.7000e-004        | 0.0422        |          | 141.1422        | 141.1422        | 3.7800e-003        | 3.4700e-003        | 142.2721        |
| <b>Total</b> | <b>0.0520</b> | <b>0.0323</b> | <b>0.4572</b> | <b>1.3800e-003</b> | <b>0.1561</b> | <b>8.4000e-004</b> | <b>0.1569</b> | <b>0.0414</b>  | <b>7.7000e-004</b> | <b>0.0422</b> |          | <b>141.1422</b> | <b>141.1422</b> | <b>3.7800e-003</b> | <b>3.4700e-003</b> | <b>142.2721</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Summer

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

**3.5 Architectural Coating - 2023**

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 21.1760        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.1917         | 1.3030        | 1.8111        | 2.9700e-003        |               | 0.0708        | 0.0708        |                | 0.0708        | 0.0708        | 0.0000        | 281.4481        | 281.4481        | 0.0168        |     | 281.8690        |
| <b>Total</b>    | <b>21.3677</b> | <b>1.3030</b> | <b>1.8111</b> | <b>2.9700e-003</b> |               | <b>0.0708</b> | <b>0.0708</b> |                | <b>0.0708</b> | <b>0.0708</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0168</b> |     | <b>281.8690</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       | 0.0520        | 0.0323        | 0.4572        | 1.3800e-003        | 0.1561        | 8.4000e-004        | 0.1569        | 0.0414         | 7.7000e-004        | 0.0422        |          | 141.1422        | 141.1422        | 3.7800e-003        | 3.4700e-003        | 142.2721        |
| <b>Total</b> | <b>0.0520</b> | <b>0.0323</b> | <b>0.4572</b> | <b>1.3800e-003</b> | <b>0.1561</b> | <b>8.4000e-004</b> | <b>0.1569</b> | <b>0.0414</b>  | <b>7.7000e-004</b> | <b>0.0422</b> |          | <b>141.1422</b> | <b>141.1422</b> | <b>3.7800e-003</b> | <b>3.4700e-003</b> | <b>142.2721</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Summer

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

Improve Destination Accessibility

Increase Transit Accessibility

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2      | Total CO2      | CH4    | N2O    | CO2e           |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|--------|----------------|
| Category    | lb/day |        |         |        |               |              |            |                |               |             | lb/day   |                |                |        |        |                |
| Mitigated   | 1.5461 | 1.3827 | 11.9211 | 0.0241 | 2.4172        | 0.0189       | 2.4361     | 0.6439         | 0.0176        | 0.6615      |          | 2,474.970<br>0 | 2,474.970<br>0 | 0.1861 | 0.1146 | 2,513.760<br>6 |
| Unmitigated | 1.7899 | 1.8045 | 15.7046 | 0.0337 | 3.4249        | 0.0257       | 3.4506     | 0.9123         | 0.0240        | 0.9364      |          | 3,469.738<br>3 | 3,469.738<br>3 | 0.2341 | 0.1476 | 3,519.580<br>2 |

**4.2 Trip Summary Information**

| Land Use                         | Average Daily Trip Rate |               |               | Unmitigated      | Mitigated        |
|----------------------------------|-------------------------|---------------|---------------|------------------|------------------|
|                                  | Weekday                 | Saturday      | Sunday        | Annual VMT       | Annual VMT       |
| General Office Building          | 343.00                  | 343.00        | 343.00        | 819,685          | 578,499          |
| Other Non-Asphalt Surfaces       | 0.00                    | 0.00          | 0.00          |                  |                  |
| Parking Lot                      | 0.00                    | 0.00          | 0.00          |                  |                  |
| Unrefrigerated Warehouse-No Rail | 168.25                  | 168.25        | 168.25        | 491,208          | 346,674          |
| Manufacturing                    | 108.25                  | 108.25        | 108.25        | 316,037          | 223,046          |
| <b>Total</b>                     | <b>619.50</b>           | <b>619.50</b> | <b>619.50</b> | <b>1,626,930</b> | <b>1,148,218</b> |

**4.3 Trip Type Information**

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

| 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 Office Building     | 9.50       | 7.30       | 7.30        | 33.00      | 48.00      | 19.00       | 77             | 19       | 4       |
| Other Non-Asphalt Surfaces  | 9.50       | 7.30       | 7.30        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Parking Lot                 | 9.50       | 7.30       | 7.30        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Unrefrigerated Warehouse-No | 9.50       | 7.30       | 7.30        | 59.00      | 0.00       | 41.00       | 92             | 5        | 3       |
| Manufacturing               | 9.50       | 7.30       | 7.30        | 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 Office Building             | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |
| Other Non-Asphalt Surfaces          | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |
| Parking Lot                         | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |
| Unrefrigerated Warehouse-No<br>Rail | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |
| Manufacturing                       | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

06232010 Meyers Avenue Industrial Project - San Diego County, Summer

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

|                        | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e     |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category               | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |           |           |             |             |          |
| NaturalGas Mitigated   | 0.0192 | 0.1742 | 0.1463 | 1.0500e-003 |               | 0.0132       | 0.0132     |                | 0.0132        | 0.0132      |          | 209.0073  | 209.0073  | 4.0100e-003 | 3.8300e-003 | 210.2493 |
| NaturalGas Unmitigated | 0.0192 | 0.1742 | 0.1463 | 1.0500e-003 |               | 0.0132       | 0.0132     |                | 0.0132        | 0.0132      |          | 209.0073  | 209.0073  | 4.0100e-003 | 3.8300e-003 | 210.2493 |

**5.2 Energy by Land Use - NaturalGas**

Unmitigated

|                                  | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use                         | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |                    |                    |                 |
| General Office Building          | 941.136        | 0.0102        | 0.0923        | 0.0775        | 5.5000e-004        |               | 7.0100e-003   | 7.0100e-003   |                | 7.0100e-003   | 7.0100e-003   |          | 110.7218        | 110.7218        | 2.1200e-003        | 2.0300e-003        | 111.3798        |
| Manufacturing                    | 683.31         | 7.3700e-003   | 0.0670        | 0.0563        | 4.0000e-004        |               | 5.0900e-003   | 5.0900e-003   |                | 5.0900e-003   | 5.0900e-003   |          | 80.3894         | 80.3894         | 1.5400e-003        | 1.4700e-003        | 80.8671         |
| 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          |
| Parking Lot                      | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Unrefrigerated Warehouse-No Rail | 152.116        | 1.6400e-003   | 0.0149        | 0.0125        | 9.0000e-005        |               | 1.1300e-003   | 1.1300e-003   |                | 1.1300e-003   | 1.1300e-003   |          | 17.8961         | 17.8961         | 3.4000e-004        | 3.3000e-004        | 18.0024         |
| <b>Total</b>                     |                | <b>0.0192</b> | <b>0.1742</b> | <b>0.1463</b> | <b>1.0400e-003</b> |               | <b>0.0132</b> | <b>0.0132</b> |                | <b>0.0132</b> | <b>0.0132</b> |          | <b>209.0073</b> | <b>209.0073</b> | <b>4.0000e-003</b> | <b>3.8300e-003</b> | <b>210.2493</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

|                                  | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use                         | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |                    |                    |                 |
| General Office Building          | 0.941136       | 0.0102        | 0.0923        | 0.0775        | 5.5000e-004        |               | 7.0100e-003   | 7.0100e-003   |                | 7.0100e-003   | 7.0100e-003   |          | 110.7218        | 110.7218        | 2.1200e-003        | 2.0300e-003        | 111.3798        |
| Manufacturing                    | 0.68331        | 7.3700e-003   | 0.0670        | 0.0563        | 4.0000e-004        |               | 5.0900e-003   | 5.0900e-003   |                | 5.0900e-003   | 5.0900e-003   |          | 80.3894         | 80.3894         | 1.5400e-003        | 1.4700e-003        | 80.8671         |
| 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          |
| Parking Lot                      | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Unrefrigerated Warehouse-No Rail | 0.152116       | 1.6400e-003   | 0.0149        | 0.0125        | 9.0000e-005        |               | 1.1300e-003   | 1.1300e-003   |                | 1.1300e-003   | 1.1300e-003   |          | 17.8961         | 17.8961         | 3.4000e-004        | 3.3000e-004        | 18.0024         |
| <b>Total</b>                     |                | <b>0.0192</b> | <b>0.1742</b> | <b>0.1463</b> | <b>1.0400e-003</b> |               | <b>0.0132</b> | <b>0.0132</b> |                | <b>0.0132</b> | <b>0.0132</b> |          | <b>209.0073</b> | <b>209.0073</b> | <b>4.0000e-003</b> | <b>3.8300e-003</b> | <b>210.2493</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

06232010 Meyers Avenue Industrial Project - San Diego County, Summer

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

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 1.7151 | 2.5000e-004 | 0.0270 | 0.0000 |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0579    | 0.0579    | 1.5000e-004 |     | 0.0617 |
| Unmitigated | 1.7151 | 2.5000e-004 | 0.0270 | 0.0000 |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0579    | 0.0579    | 1.5000e-004 |     | 0.0617 |

**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 | 0.1044        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 1.6082        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 2.5000e-003   | 2.5000e-004        | 0.0270        | 0.0000        |               | 1.0000e-004        | 1.0000e-004        |                | 1.0000e-004        | 1.0000e-004        |          | 0.0579        | 0.0579        | 1.5000e-004        |     | 0.0617        |
| <b>Total</b>          | <b>1.7151</b> | <b>2.5000e-004</b> | <b>0.0270</b> | <b>0.0000</b> |               | <b>1.0000e-004</b> | <b>1.0000e-004</b> |                | <b>1.0000e-004</b> | <b>1.0000e-004</b> |          | <b>0.0579</b> | <b>0.0579</b> | <b>1.5000e-004</b> |     | <b>0.0617</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Summer

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

**6.2 Area by SubCategory**

Mitigated

|                       | ROG           | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day        |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 0.1044        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 1.6082        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 2.5000e-003   | 2.5000e-004        | 0.0270        | 0.0000        |               | 1.0000e-004        | 1.0000e-004        |                | 1.0000e-004        | 1.0000e-004        |          | 0.0579        | 0.0579        | 1.5000e-004        |     | 0.0617        |
| <b>Total</b>          | <b>1.7151</b> | <b>2.5000e-004</b> | <b>0.0270</b> | <b>0.0000</b> |               | <b>1.0000e-004</b> | <b>1.0000e-004</b> |                | <b>1.0000e-004</b> | <b>1.0000e-004</b> |          | <b>0.0579</b> | <b>0.0579</b> | <b>1.5000e-004</b> |     | <b>0.0617</b> |

**7.0 Water Detail**

**7.1 Mitigation Measures Water**



06232010 Meyers Avenue Industrial Project - San Diego County, Summer

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

**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 |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

**User Defined Equipment**

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

**11.0 Vegetation**

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06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

**06232010 Meyers Avenue Industrial Project**

**San Diego County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                        | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| General Office Building          | 17.15  | 1000sqft | 0.00        | 17,150.00          | 0          |
| Unrefrigerated Warehouse-No Rail | 33.65  | 1000sqft | 0.77        | 33,650.00          | 0          |
| Other Non-Asphalt Surfaces       | 2.00   | Acre     | 2.00        | 87,120.00          | 0          |
| Parking Lot                      | 190.00 | Space    | 1.71        | 76,000.00          | 0          |
| Manufacturing                    | 21.65  | 1000sqft | 0.50        | 21,650.00          | 0          |

**1.2 Other Project Characteristics**

|                                |                          |                                |       |                                  |       |
|--------------------------------|--------------------------|--------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>            | Urban                    | <b>Wind Speed (m/s)</b>        | 2.6   | <b>Precipitation Freq (Days)</b> | 40    |
| <b>Climate Zone</b>            | 13                       |                                |       | <b>Operational Year</b>          | 2023  |
| <b>Utility Company</b>         | San Diego Gas & Electric |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 539.98                   | <b>CH4 Intensity (lb/MWhr)</b> | 0.033 | <b>N2O Intensity (lb/MWhr)</b>   | 0.004 |

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

Project Characteristics -

Land Use - ~5 ac w/ a 68.9 TSF building with 51.75 TSF industrial & 17.15 TSF office (includes 10.8 TSF of mezzanine office use), 190 space parking lot, & rmdnr harscape/landscaping (~2.06 ac).

Construction Phase - Project operational by December 2023 w/ construction starting November/December 2022. Assumed early November 2022 start and November 2023 end.

Off-road Equipment - CalEEMod default construction timing for building construction phase reduced by ~15%; therefore, ~15% more equipment was added to the building construction phase.

Trips and VMT -

Grading - ~14,000 CY of export anticipated.

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

Architectural Coating - Assumed compliance with SDAPCD Rule 67.0.1

Vehicle Trips - Per proposed project trip gen provided by Linscott, Law & Greenspan Engineers, of 20 trips/TSF/day for office uses & 5 trips/TSF/day for industrial uses.

Area Coating - Assumed compliance with SDAPCD Rule 67.0.1

Sequestration - Per landscape plan

Construction Off-road Equipment Mitigation - Assumed compliance with SDAPCD Rules 52 and 54, watering 2x per day & 15 mph on unpaved roads.

Mobile Land Use Mitigation - Site is ~0.25 miles west of NCTD Rte 305 Mission Rd/Barham Ln & ~2.54 miles NW downtown portion of Escondido.

Mobile Commute Mitigation -

Area Mitigation - Assumed compliance with SDAPCD Rule 67.0.1

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

| Table Name              | Column Name                     | Default Value | New Value |
|-------------------------|---------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior      | 250.00        | 50.00     |
| tblArchitecturalCoating | EF_Nonresidential_Interior      | 250.00        | 50.00     |
| tblArchitecturalCoating | EF_Parking                      | 250.00        | 100.00    |
| tblArchitecturalCoating | EF_Residential_Exterior         | 250.00        | 50.00     |
| tblArchitecturalCoating | EF_Residential_Interior         | 250.00        | 50.00     |
| tblAreaCoating          | Area_EF_Nonresidential_Exterior | 250           | 50        |
| tblAreaCoating          | Area_EF_Nonresidential_Interior | 250           | 50        |
| tblAreaCoating          | Area_EF_Parking                 | 250           | 100       |
| tblAreaCoating          | Area_EF_Residential_Exterior    | 250           | 50        |
| tblAreaCoating          | Area_EF_Residential_Interior    | 250           | 50        |
| tblConstDustMitigation  | WaterUnpavedRoadVehicleSpeed    | 0             | 15        |
| tblGrading              | MaterialExported                | 0.00          | 14,000.00 |
| tblLandUse              | LotAcreage                      | 0.39          | 0.00      |
| tblSequestration        | NumberOfNewTrees                | 0.00          | 52.00     |
| tblVehicleTrips         | ST_TR                           | 2.21          | 20.00     |
| tblVehicleTrips         | ST_TR                           | 1.74          | 5.00      |

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|                 |       |      |       |
|-----------------|-------|------|-------|
| tblVehicleTrips | ST_TR | 6.42 | 5.00  |
| tblVehicleTrips | SU_TR | 0.70 | 20.00 |
| tblVehicleTrips | SU_TR | 1.74 | 5.00  |
| tblVehicleTrips | SU_TR | 5.09 | 5.00  |
| tblVehicleTrips | WD_TR | 9.74 | 20.00 |
| tblVehicleTrips | WD_TR | 1.74 | 5.00  |
| tblVehicleTrips | WD_TR | 3.93 | 5.00  |

**2.0 Emissions Summary**

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

**2.1 Overall Construction (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           | 2.9512         | 57.7485        | 24.4089        | 0.1680        | 11.2776        | 1.2843        | 12.5620        | 4.5433         | 1.1942        | 5.7375        | 0.0000        | 18,098.2089        | 18,098.2089        | 1.6576        | 2.4049        | 18,856.2984        |
| 2023           | 21.4240        | 16.3123        | 19.0827        | 0.0416        | 1.0610         | 0.7143        | 1.7752         | 0.2874         | 0.6722        | 0.9596        | 0.0000        | 4,099.4784         | 4,099.4784         | 0.6544        | 0.1443        | 4,158.8400         |
| <b>Maximum</b> | <b>21.4240</b> | <b>57.7485</b> | <b>24.4089</b> | <b>0.1680</b> | <b>11.2776</b> | <b>1.2843</b> | <b>12.5620</b> | <b>4.5433</b>  | <b>1.1942</b> | <b>5.7375</b> | <b>0.0000</b> | <b>18,098.2089</b> | <b>18,098.2089</b> | <b>1.6576</b> | <b>2.4049</b> | <b>18,856.2984</b> |

**Mitigated Construction**

|                | ROG            | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2          | Total CO2          | CH4           | N2O           | CO2e               |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year           | lb/day         |                |                |               |               |               |               |                |               |               | lb/day        |                    |                    |               |               |                    |
| 2022           | 2.9512         | 57.7485        | 24.4089        | 0.1680        | 7.2469        | 1.2843        | 8.5313        | 2.6393         | 1.1942        | 3.8334        | 0.0000        | 18,098.2089        | 18,098.2089        | 1.6576        | 2.4049        | 18,856.2984        |
| 2023           | 21.4240        | 16.3123        | 19.0827        | 0.0416        | 1.0610        | 0.7143        | 1.7752        | 0.2874         | 0.6722        | 0.9596        | 0.0000        | 4,099.4784         | 4,099.4784         | 0.6544        | 0.1443        | 4,158.8400         |
| <b>Maximum</b> | <b>21.4240</b> | <b>57.7485</b> | <b>24.4089</b> | <b>0.1680</b> | <b>7.2469</b> | <b>1.2843</b> | <b>8.5313</b> | <b>2.6393</b>  | <b>1.1942</b> | <b>3.8334</b> | <b>0.0000</b> | <b>18,098.2089</b> | <b>18,098.2089</b> | <b>1.6576</b> | <b>2.4049</b> | <b>18,856.2984</b> |

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

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 32.67         | 0.00         | 28.11      | 39.42          | 0.00          | 28.43       | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Area         | 1.7151        | 2.5000e-004   | 0.0270         | 0.0000        |               | 1.0000e-004   | 1.0000e-004   |                | 1.0000e-004   | 1.0000e-004   |          | 0.0579            | 0.0579            | 1.5000e-004   |               | 0.0617            |
| Energy       | 0.0192        | 0.1742        | 0.1463         | 1.0500e-003   |               | 0.0132        | 0.0132        |                | 0.0132        | 0.0132        |          | 209.0073          | 209.0073          | 4.0100e-003   | 3.8300e-003   | 210.2493          |
| Mobile       | 1.7492        | 1.9575        | 16.1209        | 0.0323        | 3.4249        | 0.0258        | 3.4507        | 0.9123         | 0.0240        | 0.9364        |          | 3,318.6714        | 3,318.6714        | 0.2485        | 0.1558        | 3,371.3051        |
| <b>Total</b> | <b>3.4835</b> | <b>2.1320</b> | <b>16.2942</b> | <b>0.0333</b> | <b>3.4249</b> | <b>0.0391</b> | <b>3.4640</b> | <b>0.9123</b>  | <b>0.0374</b> | <b>0.9497</b> |          | <b>3,527.7366</b> | <b>3,527.7366</b> | <b>0.2527</b> | <b>0.1596</b> | <b>3,581.6160</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         | 1.7151        | 2.5000e-004   | 0.0270         | 0.0000        |               | 1.0000e-004   | 1.0000e-004   |                | 1.0000e-004   | 1.0000e-004   |          | 0.0579            | 0.0579            | 1.5000e-004   |               | 0.0617            |
| Energy       | 0.0192        | 0.1742        | 0.1463         | 1.0500e-003   |               | 0.0132        | 0.0132        |                | 0.0132        | 0.0132        |          | 209.0073          | 209.0073          | 4.0100e-003   | 3.8300e-003   | 210.2493          |
| Mobile       | 1.4983        | 1.5027        | 12.4470        | 0.0230        | 2.4172        | 0.0189        | 2.4361        | 0.6439         | 0.0176        | 0.6615        |          | 2,368.8550        | 2,368.8550        | 0.2003        | 0.1213        | 2,409.9942        |
| <b>Total</b> | <b>3.2326</b> | <b>1.6771</b> | <b>12.6203</b> | <b>0.0241</b> | <b>2.4172</b> | <b>0.0323</b> | <b>2.4494</b> | <b>0.6439</b>  | <b>0.0310</b> | <b>0.6749</b> |          | <b>2,577.9202</b> | <b>2,577.9202</b> | <b>0.2044</b> | <b>0.1251</b> | <b>2,620.3051</b> |

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

|                   | ROG  | NOx   | CO    | SO2   | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4   | N2O   | CO2e  |
|-------------------|------|-------|-------|-------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-------|-------|-------|
| Percent Reduction | 7.20 | 21.34 | 22.55 | 27.72 | 29.42         | 17.49        | 29.29      | 29.42          | 17.08         | 28.94       | 0.00     | 26.92    | 26.92     | 19.11 | 21.63 | 26.84 |

**3.0 Construction Detail**

**Construction Phase**

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Grading               | Grading               | 11/1/2022  | 11/10/2022 | 5             | 8        |                   |
| 2            | Building Construction | Building Construction | 11/11/2022 | 9/28/2023  | 5             | 230      |                   |
| 3            | Paving                | Paving                | 9/29/2023  | 10/24/2023 | 5             | 18       |                   |
| 4            | Architectural Coating | Architectural Coating | 10/25/2023 | 11/17/2023 | 5             | 18       |                   |

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

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

**Acres of Paving: 3.71**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 108,675; Non-Residential Outdoor: 36,225; Striped Parking Area: 9,787 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |



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

|                       |                           |   |      |     |      |
|-----------------------|---------------------------|---|------|-----|------|
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Building Construction | Welders                   | 1 | 8.00 | 46  | 0.45 |
| Paving                | Cement and Mortar Mixers  | 2 | 6.00 | 9   | 0.56 |
| Paving                | Pavers                    | 1 | 8.00 | 130 | 0.42 |
| Paving                | Paving Equipment          | 2 | 6.00 | 132 | 0.36 |
| Paving                | Rollers                   | 2 | 6.00 | 80  | 0.38 |
| Paving                | Tractors/Loaders/Backhoes | 1 | 8.00 | 97  | 0.37 |
| Architectural Coating | Air Compressors           | 1 | 6.00 | 78  | 0.48 |

**Trips and VMT**

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading               | 6                       | 15.00              | 0.00               | 1,750.00            | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 97.00              | 39.00              | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 8                       | 20.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 19.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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

**3.2 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 |               |                |                |               | 7.3285        | 0.0000        | 7.3285        | 3.4620         | 0.0000        | 3.4620        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        |          | 2,872.046<br>4         | 2,872.046<br>4         | 0.9289        |     | 2,895.268<br>4         |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>7.3285</b> | <b>0.9409</b> | <b>8.2694</b> | <b>3.4620</b>  | <b>0.8656</b> | <b>4.3276</b> |          | <b>2,872.046<br/>4</b> | <b>2,872.046<br/>4</b> | <b>0.9289</b> |     | <b>2,895.268<br/>4</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2               | Total CO2               | CH4           | N2O           | CO2e                    |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------------|-------------------------|---------------|---------------|-------------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                         |                         |               |               |                         |
| Hauling      | 0.9552        | 36.8613        | 8.7675        | 0.1373        | 3.8259        | 0.3428        | 4.1687        | 1.0487         | 0.3280        | 1.3766        |          | 15,118.07<br>67         | 15,118.07<br>67         | 0.7253        | 2.4017        | 15,851.90<br>64         |
| 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       | 0.0474        | 0.0321         | 0.3688        | 1.0600e-003   | 0.1232        | 7.0000e-004   | 0.1239        | 0.0327         | 6.4000e-004   | 0.0333        |          | 108.0858                | 108.0858                | 3.4900e-003   | 3.1900e-003   | 109.1237                |
| <b>Total</b> | <b>1.0026</b> | <b>36.8934</b> | <b>9.1362</b> | <b>0.1384</b> | <b>3.9491</b> | <b>0.3435</b> | <b>4.2926</b> | <b>1.0814</b>  | <b>0.3286</b> | <b>1.4100</b> |          | <b>15,226.16<br/>25</b> | <b>15,226.16<br/>25</b> | <b>0.7287</b> | <b>2.4049</b> | <b>15,961.03<br/>01</b> |

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

**3.2 Grading - 2022**

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 3.2978        | 0.0000        | 3.2978        | 1.5579         | 0.0000        | 1.5579        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        | 0.0000        | 2,872.046<br>4         | 2,872.046<br>4         | 0.9289        |     | 2,895.268<br>4         |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>3.2978</b> | <b>0.9409</b> | <b>4.2387</b> | <b>1.5579</b>  | <b>0.8656</b> | <b>2.4235</b> | <b>0.0000</b> | <b>2,872.046<br/>4</b> | <b>2,872.046<br/>4</b> | <b>0.9289</b> |     | <b>2,895.268<br/>4</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2               | Total CO2               | CH4           | N2O           | CO2e                    |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------------|-------------------------|---------------|---------------|-------------------------|
| Category     | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                         |                         |               |               |                         |
| Hauling      | 0.9552        | 36.8613        | 8.7675        | 0.1373        | 3.8259        | 0.3428        | 4.1687        | 1.0487         | 0.3280        | 1.3766        |          | 15,118.07<br>67         | 15,118.07<br>67         | 0.7253        | 2.4017        | 15,851.90<br>64         |
| 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       | 0.0474        | 0.0321         | 0.3688        | 1.0600e-003   | 0.1232        | 7.0000e-004   | 0.1239        | 0.0327         | 6.4000e-004   | 0.0333        |          | 108.0858                | 108.0858                | 3.4900e-003   | 3.1900e-003   | 109.1237                |
| <b>Total</b> | <b>1.0026</b> | <b>36.8934</b> | <b>9.1362</b> | <b>0.1384</b> | <b>3.9491</b> | <b>0.3435</b> | <b>4.2926</b> | <b>1.0814</b>  | <b>0.3286</b> | <b>1.4100</b> |          | <b>15,226.16<br/>25</b> | <b>15,226.16<br/>25</b> | <b>0.7287</b> | <b>2.4049</b> | <b>15,961.03<br/>01</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

**3.3 Building Construction - 2022**

**Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.7062        | 15.6156        | 16.3634        | 0.0269        |               | 0.8090        | 0.8090        |                | 0.7612        | 0.7612        |          | 2,554.3336        | 2,554.3336        | 0.6120        |     | 2,569.6322        |
| <b>Total</b> | <b>1.7062</b> | <b>15.6156</b> | <b>16.3634</b> | <b>0.0269</b> |               | <b>0.8090</b> | <b>0.8090</b> |                | <b>0.7612</b> | <b>0.7612</b> |          | <b>2,554.3336</b> | <b>2,554.3336</b> | <b>0.6120</b> |     | <b>2,569.6322</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Vendor       | 0.0861        | 2.1523        | 0.7152        | 8.3200e-003   | 0.2641        | 0.0226        | 0.2868        | 0.0760         | 0.0216        | 0.0977        |          | 896.7801          | 896.7801          | 0.0271        | 0.1303        | 936.2836          |
| Worker       | 0.3063        | 0.2073        | 2.3846        | 6.8700e-003   | 0.7968        | 4.5100e-003   | 0.8013        | 0.2114         | 4.1500e-003   | 0.2155        |          | 698.9545          | 698.9545          | 0.0226        | 0.0206        | 705.6665          |
| <b>Total</b> | <b>0.3924</b> | <b>2.3596</b> | <b>3.0999</b> | <b>0.0152</b> | <b>1.0610</b> | <b>0.0271</b> | <b>1.0881</b> | <b>0.2874</b>  | <b>0.0258</b> | <b>0.3132</b> |          | <b>1,595.7345</b> | <b>1,595.7345</b> | <b>0.0497</b> | <b>0.1509</b> | <b>1,641.9501</b> |

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

**3.3 Building Construction - 2022**

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.7062        | 15.6156        | 16.3634        | 0.0269        |               | 0.8090        | 0.8090        |                | 0.7612        | 0.7612        | 0.0000        | 2,554.3336        | 2,554.3336        | 0.6120        |     | 2,569.6322        |
| <b>Total</b> | <b>1.7062</b> | <b>15.6156</b> | <b>16.3634</b> | <b>0.0269</b> |               | <b>0.8090</b> | <b>0.8090</b> |                | <b>0.7612</b> | <b>0.7612</b> | <b>0.0000</b> | <b>2,554.3336</b> | <b>2,554.3336</b> | <b>0.6120</b> |     | <b>2,569.6322</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Vendor       | 0.0861        | 2.1523        | 0.7152        | 8.3200e-003   | 0.2641        | 0.0226        | 0.2868        | 0.0760         | 0.0216        | 0.0977        |          | 896.7801          | 896.7801          | 0.0271        | 0.1303        | 936.2836          |
| Worker       | 0.3063        | 0.2073        | 2.3846        | 6.8700e-003   | 0.7968        | 4.5100e-003   | 0.8013        | 0.2114         | 4.1500e-003   | 0.2155        |          | 698.9545          | 698.9545          | 0.0226        | 0.0206        | 705.6665          |
| <b>Total</b> | <b>0.3924</b> | <b>2.3596</b> | <b>3.0999</b> | <b>0.0152</b> | <b>1.0610</b> | <b>0.0271</b> | <b>1.0881</b> | <b>0.2874</b>  | <b>0.0258</b> | <b>0.3132</b> |          | <b>1,595.7345</b> | <b>1,595.7345</b> | <b>0.0497</b> | <b>0.1509</b> | <b>1,641.9501</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

**3.3 Building Construction - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.5728        | 14.3849        | 16.2440        | 0.0269        |               | 0.6997        | 0.6997        |                | 0.6584        | 0.6584        |          | 2,555.2099        | 2,555.2099        | 0.6079        |     | 2,570.4061        |
| <b>Total</b> | <b>1.5728</b> | <b>14.3849</b> | <b>16.2440</b> | <b>0.0269</b> |               | <b>0.6997</b> | <b>0.6997</b> |                | <b>0.6584</b> | <b>0.6584</b> |          | <b>2,555.2099</b> | <b>2,555.2099</b> | <b>0.6079</b> |     | <b>2,570.4061</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Vendor       | 0.0453        | 1.7422        | 0.6207        | 8.0000e-003   | 0.2641        | 0.0102        | 0.2744        | 0.0760         | 9.7900e-003   | 0.0858        |          | 863.3087          | 863.3087          | 0.0260        | 0.1251        | 901.2431          |
| Worker       | 0.2876        | 0.1853        | 2.2180        | 6.6500e-003   | 0.7968        | 4.2900e-003   | 0.8011        | 0.2114         | 3.9500e-003   | 0.2153        |          | 680.9597          | 680.9597          | 0.0206        | 0.0192        | 687.1909          |
| <b>Total</b> | <b>0.3329</b> | <b>1.9274</b> | <b>2.8387</b> | <b>0.0147</b> | <b>1.0610</b> | <b>0.0145</b> | <b>1.0755</b> | <b>0.2874</b>  | <b>0.0137</b> | <b>0.3011</b> |          | <b>1,544.2684</b> | <b>1,544.2684</b> | <b>0.0466</b> | <b>0.1443</b> | <b>1,588.4340</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

**3.3 Building Construction - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.5728        | 14.3849        | 16.2440        | 0.0269        |               | 0.6997        | 0.6997        |                | 0.6584        | 0.6584        | 0.0000        | 2,555.2099        | 2,555.2099        | 0.6079        |     | 2,570.4061        |
| <b>Total</b> | <b>1.5728</b> | <b>14.3849</b> | <b>16.2440</b> | <b>0.0269</b> |               | <b>0.6997</b> | <b>0.6997</b> |                | <b>0.6584</b> | <b>0.6584</b> | <b>0.0000</b> | <b>2,555.2099</b> | <b>2,555.2099</b> | <b>0.6079</b> |     | <b>2,570.4061</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Vendor       | 0.0453        | 1.7422        | 0.6207        | 8.0000e-003   | 0.2641        | 0.0102        | 0.2744        | 0.0760         | 9.7900e-003   | 0.0858        |          | 863.3087          | 863.3087          | 0.0260        | 0.1251        | 901.2431          |
| Worker       | 0.2876        | 0.1853        | 2.2180        | 6.6500e-003   | 0.7968        | 4.2900e-003   | 0.8011        | 0.2114         | 3.9500e-003   | 0.2153        |          | 680.9597          | 680.9597          | 0.0206        | 0.0192        | 687.1909          |
| <b>Total</b> | <b>0.3329</b> | <b>1.9274</b> | <b>2.8387</b> | <b>0.0147</b> | <b>1.0610</b> | <b>0.0145</b> | <b>1.0755</b> | <b>0.2874</b>  | <b>0.0137</b> | <b>0.3011</b> |          | <b>1,544.2684</b> | <b>1,544.2684</b> | <b>0.0466</b> | <b>0.1443</b> | <b>1,588.4340</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

**3.4 Paving - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.9181        | 8.7903        | 12.1905        | 0.0189        |               | 0.4357        | 0.4357        |                | 0.4025        | 0.4025        |          | 1,805.4304        | 1,805.4304        | 0.5673        |     | 1,819.6122        |
| Paving       | 0.2489        |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1670</b> | <b>8.7903</b> | <b>12.1905</b> | <b>0.0189</b> |               | <b>0.4357</b> | <b>0.4357</b> |                | <b>0.4025</b> | <b>0.4025</b> |          | <b>1,805.4304</b> | <b>1,805.4304</b> | <b>0.5673</b> |     | <b>1,819.6122</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       | 0.0593        | 0.0382        | 0.4573        | 1.3700e-003        | 0.1643        | 8.8000e-004        | 0.1652        | 0.0436         | 8.1000e-004        | 0.0444        |          | 140.4041        | 140.4041        | 4.2400e-003        | 3.9600e-003        | 141.6889        |
| <b>Total</b> | <b>0.0593</b> | <b>0.0382</b> | <b>0.4573</b> | <b>1.3700e-003</b> | <b>0.1643</b> | <b>8.8000e-004</b> | <b>0.1652</b> | <b>0.0436</b>  | <b>8.1000e-004</b> | <b>0.0444</b> |          | <b>140.4041</b> | <b>140.4041</b> | <b>4.2400e-003</b> | <b>3.9600e-003</b> | <b>141.6889</b> |



06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

**3.4 Paving - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.9181        | 8.7903        | 12.1905        | 0.0189        |               | 0.4357        | 0.4357        |                | 0.4025        | 0.4025        | 0.0000        | 1,805.4304        | 1,805.4304        | 0.5673        |     | 1,819.6122        |
| Paving       | 0.2489        |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1670</b> | <b>8.7903</b> | <b>12.1905</b> | <b>0.0189</b> |               | <b>0.4357</b> | <b>0.4357</b> |                | <b>0.4025</b> | <b>0.4025</b> | <b>0.0000</b> | <b>1,805.4304</b> | <b>1,805.4304</b> | <b>0.5673</b> |     | <b>1,819.6122</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       | 0.0593        | 0.0382        | 0.4573        | 1.3700e-003        | 0.1643        | 8.8000e-004        | 0.1652        | 0.0436         | 8.1000e-004        | 0.0444        |          | 140.4041        | 140.4041        | 4.2400e-003        | 3.9600e-003        | 141.6889        |
| <b>Total</b> | <b>0.0593</b> | <b>0.0382</b> | <b>0.4573</b> | <b>1.3700e-003</b> | <b>0.1643</b> | <b>8.8000e-004</b> | <b>0.1652</b> | <b>0.0436</b>  | <b>8.1000e-004</b> | <b>0.0444</b> |          | <b>140.4041</b> | <b>140.4041</b> | <b>4.2400e-003</b> | <b>3.9600e-003</b> | <b>141.6889</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

**3.5 Architectural Coating - 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   |                 |                 |               |     |                 |
| Archit. Coating | 21.1760        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.1917         | 1.3030        | 1.8111        | 2.9700e-003        |               | 0.0708        | 0.0708        |                | 0.0708        | 0.0708        |          | 281.4481        | 281.4481        | 0.0168        |     | 281.8690        |
| <b>Total</b>    | <b>21.3677</b> | <b>1.3030</b> | <b>1.8111</b> | <b>2.9700e-003</b> |               | <b>0.0708</b> | <b>0.0708</b> |                | <b>0.0708</b> | <b>0.0708</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0168</b> |     | <b>281.8690</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       | 0.0563        | 0.0363        | 0.4345        | 1.3000e-003        | 0.1561        | 8.4000e-004        | 0.1569        | 0.0414         | 7.7000e-004        | 0.0422        |          | 133.3839        | 133.3839        | 4.0200e-003        | 3.7600e-003        | 134.6044        |
| <b>Total</b> | <b>0.0563</b> | <b>0.0363</b> | <b>0.4345</b> | <b>1.3000e-003</b> | <b>0.1561</b> | <b>8.4000e-004</b> | <b>0.1569</b> | <b>0.0414</b>  | <b>7.7000e-004</b> | <b>0.0422</b> |          | <b>133.3839</b> | <b>133.3839</b> | <b>4.0200e-003</b> | <b>3.7600e-003</b> | <b>134.6044</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

**3.5 Architectural Coating - 2023**

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 21.1760        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.1917         | 1.3030        | 1.8111        | 2.9700e-003        |               | 0.0708        | 0.0708        |                | 0.0708        | 0.0708        | 0.0000        | 281.4481        | 281.4481        | 0.0168        |     | 281.8690        |
| <b>Total</b>    | <b>21.3677</b> | <b>1.3030</b> | <b>1.8111</b> | <b>2.9700e-003</b> |               | <b>0.0708</b> | <b>0.0708</b> |                | <b>0.0708</b> | <b>0.0708</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0168</b> |     | <b>281.8690</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       | 0.0563        | 0.0363        | 0.4345        | 1.3000e-003        | 0.1561        | 8.4000e-004        | 0.1569        | 0.0414         | 7.7000e-004        | 0.0422        |          | 133.3839        | 133.3839        | 4.0200e-003        | 3.7600e-003        | 134.6044        |
| <b>Total</b> | <b>0.0563</b> | <b>0.0363</b> | <b>0.4345</b> | <b>1.3000e-003</b> | <b>0.1561</b> | <b>8.4000e-004</b> | <b>0.1569</b> | <b>0.0414</b>  | <b>7.7000e-004</b> | <b>0.0422</b> |          | <b>133.3839</b> | <b>133.3839</b> | <b>4.0200e-003</b> | <b>3.7600e-003</b> | <b>134.6044</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

Improve Destination Accessibility

Increase Transit Accessibility

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2      | Total CO2      | CH4    | N2O    | CO2e           |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|--------|----------------|
| Category    | lb/day |        |         |        |               |              |            |                |               |             | lb/day   |                |                |        |        |                |
| Mitigated   | 1.4983 | 1.5027 | 12.4470 | 0.0230 | 2.4172        | 0.0189       | 2.4361     | 0.6439         | 0.0176        | 0.6615      |          | 2,368,855<br>0 | 2,368,855<br>0 | 0.2003 | 0.1213 | 2,409,994<br>2 |
| Unmitigated | 1.7492 | 1.9575 | 16.1209 | 0.0323 | 3.4249        | 0.0258       | 3.4507     | 0.9123         | 0.0240        | 0.9364      |          | 3,318,671<br>4 | 3,318,671<br>4 | 0.2485 | 0.1558 | 3,371,305<br>1 |

**4.2 Trip Summary Information**

| Land Use                         | Average Daily Trip Rate |               |               | Unmitigated      | Mitigated        |
|----------------------------------|-------------------------|---------------|---------------|------------------|------------------|
|                                  | Weekday                 | Saturday      | Sunday        | Annual VMT       | Annual VMT       |
| General Office Building          | 343.00                  | 343.00        | 343.00        | 819,685          | 578,499          |
| Other Non-Asphalt Surfaces       | 0.00                    | 0.00          | 0.00          |                  |                  |
| Parking Lot                      | 0.00                    | 0.00          | 0.00          |                  |                  |
| Unrefrigerated Warehouse-No Rail | 168.25                  | 168.25        | 168.25        | 491,208          | 346,674          |
| Manufacturing                    | 108.25                  | 108.25        | 108.25        | 316,037          | 223,046          |
| <b>Total</b>                     | <b>619.50</b>           | <b>619.50</b> | <b>619.50</b> | <b>1,626,930</b> | <b>1,148,218</b> |

**4.3 Trip Type Information**

06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

| 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 Office Building     | 9.50       | 7.30       | 7.30        | 33.00      | 48.00      | 19.00       | 77             | 19       | 4       |
| Other Non-Asphalt Surfaces  | 9.50       | 7.30       | 7.30        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Parking Lot                 | 9.50       | 7.30       | 7.30        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Unrefrigerated Warehouse-No | 9.50       | 7.30       | 7.30        | 59.00      | 0.00       | 41.00       | 92             | 5        | 3       |
| Manufacturing               | 9.50       | 7.30       | 7.30        | 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 Office Building             | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |
| Other Non-Asphalt Surfaces          | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |
| Parking Lot                         | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |
| Unrefrigerated Warehouse-No<br>Rail | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |
| Manufacturing                       | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |

**5.0 Energy Detail**

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Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

|                        | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e     |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category               | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |           |           |             |             |          |
| NaturalGas Mitigated   | 0.0192 | 0.1742 | 0.1463 | 1.0500e-003 |               | 0.0132       | 0.0132     |                | 0.0132        | 0.0132      |          | 209.0073  | 209.0073  | 4.0100e-003 | 3.8300e-003 | 210.2493 |
| NaturalGas Unmitigated | 0.0192 | 0.1742 | 0.1463 | 1.0500e-003 |               | 0.0132       | 0.0132     |                | 0.0132        | 0.0132      |          | 209.0073  | 209.0073  | 4.0100e-003 | 3.8300e-003 | 210.2493 |

**5.2 Energy by Land Use - NaturalGas**

Unmitigated

|                                  | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use                         | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |                    |                    |                 |
| General Office Building          | 941.136        | 0.0102        | 0.0923        | 0.0775        | 5.5000e-004        |               | 7.0100e-003   | 7.0100e-003   |                | 7.0100e-003   | 7.0100e-003   |          | 110.7218        | 110.7218        | 2.1200e-003        | 2.0300e-003        | 111.3798        |
| Manufacturing                    | 683.31         | 7.3700e-003   | 0.0670        | 0.0563        | 4.0000e-004        |               | 5.0900e-003   | 5.0900e-003   |                | 5.0900e-003   | 5.0900e-003   |          | 80.3894         | 80.3894         | 1.5400e-003        | 1.4700e-003        | 80.8671         |
| 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          |
| Parking Lot                      | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Unrefrigerated Warehouse-No Rail | 152.116        | 1.6400e-003   | 0.0149        | 0.0125        | 9.0000e-005        |               | 1.1300e-003   | 1.1300e-003   |                | 1.1300e-003   | 1.1300e-003   |          | 17.8961         | 17.8961         | 3.4000e-004        | 3.3000e-004        | 18.0024         |
| <b>Total</b>                     |                | <b>0.0192</b> | <b>0.1742</b> | <b>0.1463</b> | <b>1.0400e-003</b> |               | <b>0.0132</b> | <b>0.0132</b> |                | <b>0.0132</b> | <b>0.0132</b> |          | <b>209.0073</b> | <b>209.0073</b> | <b>4.0000e-003</b> | <b>3.8300e-003</b> | <b>210.2493</b> |

06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

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

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 Office Building          | 0.941136        | 0.0102        | 0.0923        | 0.0775        | 5.5000e-004        |               | 7.0100e-003   | 7.0100e-003   |                | 7.0100e-003   | 7.0100e-003   |          | 110.7218        | 110.7218        | 2.1200e-003        | 2.0300e-003        | 111.3798        |
| Manufacturing                    | 0.68331         | 7.3700e-003   | 0.0670        | 0.0563        | 4.0000e-004        |               | 5.0900e-003   | 5.0900e-003   |                | 5.0900e-003   | 5.0900e-003   |          | 80.3894         | 80.3894         | 1.5400e-003        | 1.4700e-003        | 80.8671         |
| 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          |
| Parking Lot                      | 0               | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Unrefrigerated Warehouse-No Rail | 0.152116        | 1.6400e-003   | 0.0149        | 0.0125        | 9.0000e-005        |               | 1.1300e-003   | 1.1300e-003   |                | 1.1300e-003   | 1.1300e-003   |          | 17.8961         | 17.8961         | 3.4000e-004        | 3.3000e-004        | 18.0024         |
| <b>Total</b>                     |                 | <b>0.0192</b> | <b>0.1742</b> | <b>0.1463</b> | <b>1.0400e-003</b> |               | <b>0.0132</b> | <b>0.0132</b> |                | <b>0.0132</b> | <b>0.0132</b> |          | <b>209.0073</b> | <b>209.0073</b> | <b>4.0000e-003</b> | <b>3.8300e-003</b> | <b>210.2493</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 1.7151 | 2.5000e-004 | 0.0270 | 0.0000 |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0579    | 0.0579    | 1.5000e-004 |     | 0.0617 |
| Unmitigated | 1.7151 | 2.5000e-004 | 0.0270 | 0.0000 |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0579    | 0.0579    | 1.5000e-004 |     | 0.0617 |

**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 | 0.1044        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 1.6082        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 2.5000e-003   | 2.5000e-004        | 0.0270        | 0.0000        |               | 1.0000e-004        | 1.0000e-004        |                | 1.0000e-004        | 1.0000e-004        |          | 0.0579        | 0.0579        | 1.5000e-004        |     | 0.0617        |
| <b>Total</b>          | <b>1.7151</b> | <b>2.5000e-004</b> | <b>0.0270</b> | <b>0.0000</b> |               | <b>1.0000e-004</b> | <b>1.0000e-004</b> |                | <b>1.0000e-004</b> | <b>1.0000e-004</b> |          | <b>0.0579</b> | <b>0.0579</b> | <b>1.5000e-004</b> |     | <b>0.0617</b> |



06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

**6.2 Area by SubCategory**

Mitigated

|                       | ROG           | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day        |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 0.1044        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 1.6082        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 2.5000e-003   | 2.5000e-004        | 0.0270        | 0.0000        |               | 1.0000e-004        | 1.0000e-004        |                | 1.0000e-004        | 1.0000e-004        |          | 0.0579        | 0.0579        | 1.5000e-004        |     | 0.0617        |
| <b>Total</b>          | <b>1.7151</b> | <b>2.5000e-004</b> | <b>0.0270</b> | <b>0.0000</b> |               | <b>1.0000e-004</b> | <b>1.0000e-004</b> |                | <b>1.0000e-004</b> | <b>1.0000e-004</b> |          | <b>0.0579</b> | <b>0.0579</b> | <b>1.5000e-004</b> |     | <b>0.0617</b> |

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

06232010 Meyers Avenue Industrial Project - San Diego County, Winter

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

**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 |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

**User Defined Equipment**

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

**11.0 Vegetation**

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06232010 Meyers Avenue Industrial Project - San Diego County, Annual

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

**06232010 Meyers Avenue Industrial Project**

**San Diego County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                        | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| General Office Building          | 17.15  | 1000sqft | 0.00        | 17,150.00          | 0          |
| Unrefrigerated Warehouse-No Rail | 33.65  | 1000sqft | 0.77        | 33,650.00          | 0          |
| Other Non-Asphalt Surfaces       | 2.00   | Acre     | 2.00        | 87,120.00          | 0          |
| Parking Lot                      | 190.00 | Space    | 1.71        | 76,000.00          | 0          |
| Manufacturing                    | 21.65  | 1000sqft | 0.50        | 21,650.00          | 0          |

**1.2 Other Project Characteristics**

|                                |                          |                                |       |                                  |       |
|--------------------------------|--------------------------|--------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>            | Urban                    | <b>Wind Speed (m/s)</b>        | 2.6   | <b>Precipitation Freq (Days)</b> | 40    |
| <b>Climate Zone</b>            | 13                       |                                |       | <b>Operational Year</b>          | 2023  |
| <b>Utility Company</b>         | San Diego Gas & Electric |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 539.98                   | <b>CH4 Intensity (lb/MWhr)</b> | 0.033 | <b>N2O Intensity (lb/MWhr)</b>   | 0.004 |

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

Project Characteristics -

Land Use - ~5 ac w/ a 68.9 TSF building with 51.75 TSF industrial & 17.15 TSF office (includes 10.8 TSF of mezzanine office use), 190 space parking lot, & rmdnr harscape/landscaping (~2.06 ac).

Construction Phase - Project operational by December 2023 w/ construction starting November/December 2022. Assumed early November 2022 start and November 2023 end.

Off-road Equipment - CalEEMod default construction timing for building construction phase reduced by ~15%; therefore, ~15% more equipment was added to the building construction phase.

Trips and VMT -

Grading - ~14,000 CY of export anticipated.

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Architectural Coating - Assumed compliance with SDAPCD Rule 67.0.1

Vehicle Trips - Per proposed project trip gen provided by Linscott, Law & Greenspan Engineers, of 20 trips/TSF/day for office uses & 5 trips/TSF/day for industrial uses.

Area Coating - Assumed compliance with SDAPCD Rule 67.0.1

Sequestration - Per landscape plan

Construction Off-road Equipment Mitigation - Assumed compliance with SDAPCD Rules 52 and 54, watering 2x per day & 15 mph on unpaved roads.

Mobile Land Use Mitigation - Site is ~0.25 miles west of NCTD Rte 305 Mission Rd/Barham Ln & ~2.54 miles NW downtown portion of Escondido.

Mobile Commute Mitigation -

Area Mitigation - Assumed compliance with SDAPCD Rule 67.0.1

Waste Mitigation - AB 341 requires each jurisdiction in CA to divert at least 75% of their waste away from landfills by 2020.

| Table Name              | Column Name                     | Default Value | New Value |
|-------------------------|---------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior      | 250.00        | 50.00     |
| tblArchitecturalCoating | EF_Nonresidential_Interior      | 250.00        | 50.00     |
| tblArchitecturalCoating | EF_Parking                      | 250.00        | 100.00    |
| tblArchitecturalCoating | EF_Residential_Exterior         | 250.00        | 50.00     |
| tblArchitecturalCoating | EF_Residential_Interior         | 250.00        | 50.00     |
| tblAreaCoating          | Area_EF_Nonresidential_Exterior | 250           | 50        |
| tblAreaCoating          | Area_EF_Nonresidential_Interior | 250           | 50        |
| tblAreaCoating          | Area_EF_Parking                 | 250           | 100       |
| tblAreaCoating          | Area_EF_Residential_Exterior    | 250           | 50        |
| tblAreaCoating          | Area_EF_Residential_Interior    | 250           | 50        |
| tblConstDustMitigation  | WaterUnpavedRoadVehicleSpeed    | 0             | 15        |
| tblGrading              | MaterialExported                | 0.00          | 14,000.00 |
| tblLandUse              | LotAcreage                      | 0.39          | 0.00      |
| tblSequestration        | NumberOfNewTrees                | 0.00          | 52.00     |
| tblVehicleTrips         | ST_TR                           | 2.21          | 20.00     |
| tblVehicleTrips         | ST_TR                           | 1.74          | 5.00      |

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|                 |       |      |       |
|-----------------|-------|------|-------|
| tblVehicleTrips | ST_TR | 6.42 | 5.00  |
| tblVehicleTrips | SU_TR | 0.70 | 20.00 |
| tblVehicleTrips | SU_TR | 1.74 | 5.00  |
| tblVehicleTrips | SU_TR | 5.09 | 5.00  |
| tblVehicleTrips | WD_TR | 9.74 | 20.00 |
| tblVehicleTrips | WD_TR | 1.74 | 5.00  |
| tblVehicleTrips | WD_TR | 3.93 | 5.00  |

**2.0 Emissions Summary**

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

**2.1 Overall Construction**

**Unmitigated Construction**

|                | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Year           | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| 2022           | 0.0492        | 0.5543        | 0.4474        | 1.4300e-003        | 0.0634        | 0.0202        | 0.0836        | 0.0232         | 0.0189        | 0.0421        | 0.0000        | 133.5285        | 133.5285        | 0.0168        | 0.0112        | 137.2815        |
| 2023           | 0.3862        | 1.6724        | 1.9839        | 4.2600e-003        | 0.1034        | 0.0739        | 0.1772        | 0.0281         | 0.0695        | 0.0975        | 0.0000        | 380.5038        | 380.5038        | 0.0624        | 0.0127        | 385.8560        |
| <b>Maximum</b> | <b>0.3862</b> | <b>1.6724</b> | <b>1.9839</b> | <b>4.2600e-003</b> | <b>0.1034</b> | <b>0.0739</b> | <b>0.1772</b> | <b>0.0281</b>  | <b>0.0695</b> | <b>0.0975</b> | <b>0.0000</b> | <b>380.5038</b> | <b>380.5038</b> | <b>0.0624</b> | <b>0.0127</b> | <b>385.8560</b> |

**Mitigated Construction**

|                | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Year           | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| 2022           | 0.0492        | 0.5543        | 0.4474        | 1.4300e-003        | 0.0473        | 0.0202        | 0.0675        | 0.0155         | 0.0189        | 0.0345        | 0.0000        | 133.5285        | 133.5285        | 0.0168        | 0.0112        | 137.2815        |
| 2023           | 0.3862        | 1.6724        | 1.9839        | 4.2600e-003        | 0.1034        | 0.0739        | 0.1772        | 0.0281         | 0.0695        | 0.0975        | 0.0000        | 380.5035        | 380.5035        | 0.0624        | 0.0127        | 385.8557        |
| <b>Maximum</b> | <b>0.3862</b> | <b>1.6724</b> | <b>1.9839</b> | <b>4.2600e-003</b> | <b>0.1034</b> | <b>0.0739</b> | <b>0.1772</b> | <b>0.0281</b>  | <b>0.0695</b> | <b>0.0975</b> | <b>0.0000</b> | <b>380.5035</b> | <b>380.5035</b> | <b>0.0624</b> | <b>0.0127</b> | <b>385.8557</b> |

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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 |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 9.66          | 0.00         | 6.18       | 14.88          | 0.00          | 5.46        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

| Quarter | Start Date | End Date  | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1       | 11-1-2022  | 1-31-2023 | 0.7841                                       | 0.7841                                     |
| 2       | 2-1-2023   | 4-30-2023 | 0.5779                                       | 0.5779                                     |
| 3       | 5-1-2023   | 7-31-2023 | 0.5949                                       | 0.5949                                     |
| 4       | 8-1-2023   | 9-30-2023 | 0.3887                                       | 0.3887                                     |
|         |            | Highest   | 0.7841                                       | 0.7841                                     |

**2.2 Overall Operational**

**Unmitigated Operational**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2       | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr          |                 |                 |               |               |                 |
| Area         | 0.3128        | 2.0000e-005   | 2.4300e-003   | 0.0000             |               | 1.0000e-005        | 1.0000e-005   |                | 1.0000e-005        | 1.0000e-005   | 0.0000         | 4.7300e-003     | 4.7300e-003     | 1.0000e-005   | 0.0000        | 5.0400e-003     |
| Energy       | 3.5000e-003   | 0.0318        | 0.0267        | 1.9000e-004        |               | 2.4200e-003        | 2.4200e-003   |                | 2.4200e-003        | 2.4200e-003   | 0.0000         | 168.1093        | 168.1093        | 8.8200e-003   | 1.6200e-003   | 168.8136        |
| Mobile       | 0.3121        | 0.3521        | 2.8748        | 5.9000e-003        | 0.6086        | 4.6800e-003        | 0.6133        | 0.1624         | 4.3700e-003        | 0.1668        | 0.0000         | 551.0163        | 551.0163        | 0.0402        | 0.0255        | 559.6050        |
| Waste        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 15.1086        | 0.0000          | 15.1086         | 0.8929        | 0.0000        | 37.4310         |
| Water        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 5.0241         | 55.5894         | 60.6136         | 0.5194        | 0.0126        | 77.3528         |
| <b>Total</b> | <b>0.6284</b> | <b>0.3839</b> | <b>2.9039</b> | <b>6.0900e-003</b> | <b>0.6086</b> | <b>7.1100e-003</b> | <b>0.6157</b> | <b>0.1624</b>  | <b>6.8000e-003</b> | <b>0.1692</b> | <b>20.1327</b> | <b>774.7197</b> | <b>794.8524</b> | <b>1.4614</b> | <b>0.0397</b> | <b>843.2074</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         | 0.3128        | 2.0000e-005   | 2.4300e-003   | 0.0000             |               | 1.0000e-005        | 1.0000e-005   |                | 1.0000e-005        | 1.0000e-005   | 0.0000        | 4.7300e-003     | 4.7300e-003     | 1.0000e-005   | 0.0000        | 5.0400e-003     |
| Energy       | 3.5000e-003   | 0.0318        | 0.0267        | 1.9000e-004        |               | 2.4200e-003        | 2.4200e-003   |                | 2.4200e-003        | 2.4200e-003   | 0.0000        | 168.1093        | 168.1093        | 8.8200e-003   | 1.6200e-003   | 168.8136        |
| Mobile       | 0.2670        | 0.2699        | 2.2106        | 4.2100e-003        | 0.4295        | 3.4400e-003        | 0.4330        | 0.1146         | 3.2000e-003        | 0.1178        | 0.0000        | 393.2559        | 393.2559        | 0.0323        | 0.0198        | 399.9571        |
| Waste        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 3.7772        | 0.0000          | 3.7772          | 0.2232        | 0.0000        | 9.3577          |
| Water        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 5.0241        | 55.5894         | 60.6136         | 0.5194        | 0.0126        | 77.3528         |
| <b>Total</b> | <b>0.5833</b> | <b>0.3017</b> | <b>2.2398</b> | <b>4.4000e-003</b> | <b>0.4295</b> | <b>5.8700e-003</b> | <b>0.4354</b> | <b>0.1146</b>  | <b>5.6300e-003</b> | <b>0.1203</b> | <b>8.8013</b> | <b>616.9593</b> | <b>625.7606</b> | <b>0.7838</b> | <b>0.0340</b> | <b>655.4862</b> |

|                          | ROG         | NOx          | CO           | SO2          | Fugitive PM10 | Exhaust PM10 | PM10 Total   | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total  | Bio- CO2     | NBio- CO2    | Total CO2    | CH4          | N2O          | CO2e         |
|--------------------------|-------------|--------------|--------------|--------------|---------------|--------------|--------------|----------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Percent Reduction</b> | <b>7.19</b> | <b>21.43</b> | <b>22.87</b> | <b>27.75</b> | <b>29.42</b>  | <b>17.44</b> | <b>29.29</b> | <b>29.42</b>   | <b>17.21</b>  | <b>28.93</b> | <b>56.28</b> | <b>20.36</b> | <b>21.27</b> | <b>46.37</b> | <b>14.29</b> | <b>22.26</b> |



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**2.3 Vegetation**

Vegetation

|              |                |
|--------------|----------------|
|              | CO2e           |
| Category     | MT             |
| New Trees    | 36.8160        |
| <b>Total</b> | <b>36.8160</b> |

**3.0 Construction Detail**

Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Grading               | Grading               | 11/1/2022  | 11/10/2022 | 5             | 8        |                   |
| 2            | Building Construction | Building Construction | 11/11/2022 | 9/28/2023  | 5             | 230      |                   |
| 3            | Paving                | Paving                | 9/29/2023  | 10/24/2023 | 5             | 18       |                   |
| 4            | Architectural Coating | Architectural Coating | 10/25/2023 | 11/17/2023 | 5             | 18       |                   |

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

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

**Acres of Paving: 3.71**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 108,675; Non-Residential Outdoor: 36,225; Striped Parking Area: 9,787 (Architectural Coating – sqft)**

OffRoad Equipment

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| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Paving                | Cement and Mortar Mixers  | 2      | 6.00        | 9           | 0.56        |
| Paving                | Pavers                    | 1      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 2      | 6.00        | 132         | 0.36        |
| Paving                | Rollers                   | 2      | 6.00        | 80          | 0.38        |
| Paving                | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

**Trips and VMT**

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grading               | 6                       | 15.00              | 0.00               | 1,750.00            | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 97.00              | 39.00              | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 8                       | 20.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 19.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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**3.2 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 |                    |               |               |                    | 0.0293        | 0.0000             | 0.0293        | 0.0139         | 0.0000             | 0.0139        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 7.7900e-003        | 0.0834        | 0.0611        | 1.2000e-004        |               | 3.7600e-003        | 3.7600e-003   |                | 3.4600e-003        | 3.4600e-003   | 0.0000        | 10.4219        | 10.4219        | 3.3700e-003        | 0.0000        | 10.5062        |
| <b>Total</b>  | <b>7.7900e-003</b> | <b>0.0834</b> | <b>0.0611</b> | <b>1.2000e-004</b> | <b>0.0293</b> | <b>3.7600e-003</b> | <b>0.0331</b> | <b>0.0139</b>  | <b>3.4600e-003</b> | <b>0.0173</b> | <b>0.0000</b> | <b>10.4219</b> | <b>10.4219</b> | <b>3.3700e-003</b> | <b>0.0000</b> | <b>10.5062</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      | 3.8800e-003        | 0.1473        | 0.0348        | 5.5000e-004        | 0.0150        | 1.3700e-003        | 0.0164        | 4.1200e-003        | 1.3100e-003        | 5.4300e-003        | 0.0000        | 54.8461        | 54.8461        | 2.6300e-003        | 8.7100e-003        | 57.5084        |
| 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       | 1.7000e-004        | 1.3000e-004   | 1.4700e-003   | 0.0000             | 4.8000e-004   | 0.0000             | 4.8000e-004   | 1.3000e-004        | 0.0000             | 1.3000e-004        | 0.0000        | 0.3957         | 0.3957         | 1.0000e-005        | 1.0000e-005        | 0.3994         |
| <b>Total</b> | <b>4.0500e-003</b> | <b>0.1475</b> | <b>0.0362</b> | <b>5.5000e-004</b> | <b>0.0155</b> | <b>1.3700e-003</b> | <b>0.0168</b> | <b>4.2500e-003</b> | <b>1.3100e-003</b> | <b>5.5600e-003</b> | <b>0.0000</b> | <b>55.2418</b> | <b>55.2418</b> | <b>2.6400e-003</b> | <b>8.7200e-003</b> | <b>57.9078</b> |

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**3.2 Grading - 2022**

**Mitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr            |               |               |                    |               |                    |               |                    |                    |                    | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |                    |               |               |                    | 0.0132        | 0.0000             | 0.0132        | 6.2300e-003        | 0.0000             | 6.2300e-003        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 7.7900e-003        | 0.0834        | 0.0611        | 1.2000e-004        |               | 3.7600e-003        | 3.7600e-003   |                    | 3.4600e-003        | 3.4600e-003        | 0.0000        | 10.4219        | 10.4219        | 3.3700e-003        | 0.0000        | 10.5062        |
| <b>Total</b>  | <b>7.7900e-003</b> | <b>0.0834</b> | <b>0.0611</b> | <b>1.2000e-004</b> | <b>0.0132</b> | <b>3.7600e-003</b> | <b>0.0170</b> | <b>6.2300e-003</b> | <b>3.4600e-003</b> | <b>9.6900e-003</b> | <b>0.0000</b> | <b>10.4219</b> | <b>10.4219</b> | <b>3.3700e-003</b> | <b>0.0000</b> | <b>10.5062</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      | 3.8800e-003        | 0.1473        | 0.0348        | 5.5000e-004        | 0.0150        | 1.3700e-003        | 0.0164        | 4.1200e-003        | 1.3100e-003        | 5.4300e-003        | 0.0000        | 54.8461        | 54.8461        | 2.6300e-003        | 8.7100e-003        | 57.5084        |
| 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       | 1.7000e-004        | 1.3000e-004   | 1.4700e-003   | 0.0000             | 4.8000e-004   | 0.0000             | 4.8000e-004   | 1.3000e-004        | 0.0000             | 1.3000e-004        | 0.0000        | 0.3957         | 0.3957         | 1.0000e-005        | 1.0000e-005        | 0.3994         |
| <b>Total</b> | <b>4.0500e-003</b> | <b>0.1475</b> | <b>0.0362</b> | <b>5.5000e-004</b> | <b>0.0155</b> | <b>1.3700e-003</b> | <b>0.0168</b> | <b>4.2500e-003</b> | <b>1.3100e-003</b> | <b>5.5600e-003</b> | <b>0.0000</b> | <b>55.2418</b> | <b>55.2418</b> | <b>2.6400e-003</b> | <b>8.7200e-003</b> | <b>57.9078</b> |

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

**3.3 Building Construction - 2022**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |               |                |
| Off-Road     | 0.0307        | 0.2811        | 0.2945        | 4.8000e-004        |               | 0.0146        | 0.0146        |                | 0.0137        | 0.0137        | 0.0000        | 41.7105        | 41.7105        | 9.9900e-003        | 0.0000        | 41.9604        |
| <b>Total</b> | <b>0.0307</b> | <b>0.2811</b> | <b>0.2945</b> | <b>4.8000e-004</b> |               | <b>0.0146</b> | <b>0.0146</b> |                | <b>0.0137</b> | <b>0.0137</b> | <b>0.0000</b> | <b>41.7105</b> | <b>41.7105</b> | <b>9.9900e-003</b> | <b>0.0000</b> | <b>41.9604</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       | 1.5500e-003        | 0.0386        | 0.0127        | 1.5000e-004        | 4.6600e-003   | 4.1000e-004        | 5.0700e-003   | 1.3500e-003        | 3.9000e-004        | 1.7300e-003        | 0.0000        | 14.6395        | 14.6395        | 4.4000e-004        | 2.1300e-003        | 15.2843        |
| Worker       | 5.0400e-003        | 3.6600e-003   | 0.0429        | 1.2000e-004        | 0.0140        | 8.0000e-005        | 0.0141        | 3.7200e-003        | 7.0000e-005        | 3.8000e-003        | 0.0000        | 11.5149        | 11.5149        | 3.6000e-004        | 3.3000e-004        | 11.6229        |
| <b>Total</b> | <b>6.5900e-003</b> | <b>0.0423</b> | <b>0.0556</b> | <b>2.7000e-004</b> | <b>0.0187</b> | <b>4.9000e-004</b> | <b>0.0192</b> | <b>5.0700e-003</b> | <b>4.6000e-004</b> | <b>5.5300e-003</b> | <b>0.0000</b> | <b>26.1543</b> | <b>26.1543</b> | <b>8.0000e-004</b> | <b>2.4600e-003</b> | <b>26.9072</b> |

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

**3.3 Building Construction - 2022**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |               |                |
| Off-Road     | 0.0307        | 0.2811        | 0.2945        | 4.8000e-004        |               | 0.0146        | 0.0146        |                | 0.0137        | 0.0137        | 0.0000        | 41.7105        | 41.7105        | 9.9900e-003        | 0.0000        | 41.9603        |
| <b>Total</b> | <b>0.0307</b> | <b>0.2811</b> | <b>0.2945</b> | <b>4.8000e-004</b> |               | <b>0.0146</b> | <b>0.0146</b> |                | <b>0.0137</b> | <b>0.0137</b> | <b>0.0000</b> | <b>41.7105</b> | <b>41.7105</b> | <b>9.9900e-003</b> | <b>0.0000</b> | <b>41.9603</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       | 1.5500e-003        | 0.0386        | 0.0127        | 1.5000e-004        | 4.6600e-003   | 4.1000e-004        | 5.0700e-003   | 1.3500e-003        | 3.9000e-004        | 1.7300e-003        | 0.0000        | 14.6395        | 14.6395        | 4.4000e-004        | 2.1300e-003        | 15.2843        |
| Worker       | 5.0400e-003        | 3.6600e-003   | 0.0429        | 1.2000e-004        | 0.0140        | 8.0000e-005        | 0.0141        | 3.7200e-003        | 7.0000e-005        | 3.8000e-003        | 0.0000        | 11.5149        | 11.5149        | 3.6000e-004        | 3.3000e-004        | 11.6229        |
| <b>Total</b> | <b>6.5900e-003</b> | <b>0.0423</b> | <b>0.0556</b> | <b>2.7000e-004</b> | <b>0.0187</b> | <b>4.9000e-004</b> | <b>0.0192</b> | <b>5.0700e-003</b> | <b>4.6000e-004</b> | <b>5.5300e-003</b> | <b>0.0000</b> | <b>26.1543</b> | <b>26.1543</b> | <b>8.0000e-004</b> | <b>2.4600e-003</b> | <b>26.9072</b> |

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

**3.3 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     | 0.1526        | 1.3953        | 1.5757        | 2.6100e-003        |               | 0.0679        | 0.0679        |                | 0.0639        | 0.0639        | 0.0000        | 224.8506        | 224.8506        | 0.0535        | 0.0000        | 226.1878        |
| <b>Total</b> | <b>0.1526</b> | <b>1.3953</b> | <b>1.5757</b> | <b>2.6100e-003</b> |               | <b>0.0679</b> | <b>0.0679</b> |                | <b>0.0639</b> | <b>0.0639</b> | <b>0.0000</b> | <b>224.8506</b> | <b>224.8506</b> | <b>0.0535</b> | <b>0.0000</b> | <b>226.1878</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       | 4.4400e-003   | 0.1680        | 0.0592        | 7.8000e-004        | 0.0251        | 9.9000e-004        | 0.0261        | 7.2500e-003    | 9.5000e-004        | 8.2000e-003   | 0.0000        | 75.9060         | 75.9060         | 2.2900e-003        | 0.0110        | 79.2410         |
| Worker       | 0.0255        | 0.0176        | 0.2150        | 6.5000e-004        | 0.0755        | 4.2000e-004        | 0.0759        | 0.0201         | 3.8000e-004        | 0.0204        | 0.0000        | 60.4533         | 60.4533         | 1.7700e-003        | 1.6700e-003   | 60.9939         |
| <b>Total</b> | <b>0.0299</b> | <b>0.1856</b> | <b>0.2742</b> | <b>1.4300e-003</b> | <b>0.1006</b> | <b>1.4100e-003</b> | <b>0.1020</b> | <b>0.0273</b>  | <b>1.3300e-003</b> | <b>0.0286</b> | <b>0.0000</b> | <b>136.3593</b> | <b>136.3593</b> | <b>4.0600e-003</b> | <b>0.0127</b> | <b>140.2349</b> |

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

**3.3 Building Construction - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.1526        | 1.3953        | 1.5757        | 2.6100e-003        |               | 0.0679        | 0.0679        |                | 0.0639        | 0.0639        | 0.0000        | 224.8503        | 224.8503        | 0.0535        | 0.0000        | 226.1876        |
| <b>Total</b> | <b>0.1526</b> | <b>1.3953</b> | <b>1.5757</b> | <b>2.6100e-003</b> |               | <b>0.0679</b> | <b>0.0679</b> |                | <b>0.0639</b> | <b>0.0639</b> | <b>0.0000</b> | <b>224.8503</b> | <b>224.8503</b> | <b>0.0535</b> | <b>0.0000</b> | <b>226.1876</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       | 4.4400e-003   | 0.1680        | 0.0592        | 7.8000e-004        | 0.0251        | 9.9000e-004        | 0.0261        | 7.2500e-003    | 9.5000e-004        | 8.2000e-003   | 0.0000        | 75.9060         | 75.9060         | 2.2900e-003        | 0.0110        | 79.2410         |
| Worker       | 0.0255        | 0.0176        | 0.2150        | 6.5000e-004        | 0.0755        | 4.2000e-004        | 0.0759        | 0.0201         | 3.8000e-004        | 0.0204        | 0.0000        | 60.4533         | 60.4533         | 1.7700e-003        | 1.6700e-003   | 60.9939         |
| <b>Total</b> | <b>0.0299</b> | <b>0.1856</b> | <b>0.2742</b> | <b>1.4300e-003</b> | <b>0.1006</b> | <b>1.4100e-003</b> | <b>0.1020</b> | <b>0.0273</b>  | <b>1.3300e-003</b> | <b>0.0286</b> | <b>0.0000</b> | <b>136.3593</b> | <b>136.3593</b> | <b>4.0600e-003</b> | <b>0.0127</b> | <b>140.2349</b> |



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

**3.4 Paving - 2023**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 8.2600e-003   | 0.0791        | 0.1097        | 1.7000e-004        |               | 3.9200e-003        | 3.9200e-003        |                | 3.6200e-003        | 3.6200e-003        | 0.0000        | 14.7407        | 14.7407        | 4.6300e-003        | 0.0000        | 14.8565        |
| Paving       | 2.2400e-003   |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0105</b> | <b>0.0791</b> | <b>0.1097</b> | <b>1.7000e-004</b> |               | <b>3.9200e-003</b> | <b>3.9200e-003</b> |                | <b>3.6200e-003</b> | <b>3.6200e-003</b> | <b>0.0000</b> | <b>14.7407</b> | <b>14.7407</b> | <b>4.6300e-003</b> | <b>0.0000</b> | <b>14.8565</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       | 4.9000e-004        | 3.4000e-004        | 4.1100e-003        | 1.0000e-005        | 1.4400e-003        | 1.0000e-005        | 1.4500e-003        | 3.8000e-004        | 1.0000e-005        | 3.9000e-004        | 0.0000        | 1.1565        | 1.1565        | 3.0000e-005        | 3.0000e-005        | 1.1669        |
| <b>Total</b> | <b>4.9000e-004</b> | <b>3.4000e-004</b> | <b>4.1100e-003</b> | <b>1.0000e-005</b> | <b>1.4400e-003</b> | <b>1.0000e-005</b> | <b>1.4500e-003</b> | <b>3.8000e-004</b> | <b>1.0000e-005</b> | <b>3.9000e-004</b> | <b>0.0000</b> | <b>1.1565</b> | <b>1.1565</b> | <b>3.0000e-005</b> | <b>3.0000e-005</b> | <b>1.1669</b> |

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

**3.4 Paving - 2023**

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 8.2600e-003   | 0.0791        | 0.1097        | 1.7000e-004        |               | 3.9200e-003        | 3.9200e-003        |                | 3.6200e-003        | 3.6200e-003        | 0.0000        | 14.7407        | 14.7407        | 4.6300e-003        | 0.0000        | 14.8565        |
| Paving       | 2.2400e-003   |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0105</b> | <b>0.0791</b> | <b>0.1097</b> | <b>1.7000e-004</b> |               | <b>3.9200e-003</b> | <b>3.9200e-003</b> |                | <b>3.6200e-003</b> | <b>3.6200e-003</b> | <b>0.0000</b> | <b>14.7407</b> | <b>14.7407</b> | <b>4.6300e-003</b> | <b>0.0000</b> | <b>14.8565</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       | 4.9000e-004        | 3.4000e-004        | 4.1100e-003        | 1.0000e-005        | 1.4400e-003        | 1.0000e-005        | 1.4500e-003        | 3.8000e-004        | 1.0000e-005        | 3.9000e-004        | 0.0000        | 1.1565        | 1.1565        | 3.0000e-005        | 3.0000e-005        | 1.1669        |
| <b>Total</b> | <b>4.9000e-004</b> | <b>3.4000e-004</b> | <b>4.1100e-003</b> | <b>1.0000e-005</b> | <b>1.4400e-003</b> | <b>1.0000e-005</b> | <b>1.4500e-003</b> | <b>3.8000e-004</b> | <b>1.0000e-005</b> | <b>3.9000e-004</b> | <b>0.0000</b> | <b>1.1565</b> | <b>1.1565</b> | <b>3.0000e-005</b> | <b>3.0000e-005</b> | <b>1.1669</b> |

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

**3.5 Architectural Coating - 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         |               |               |                    |               |               |
| Archit. Coating | 0.1906        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.7200e-003   | 0.0117        | 0.0163        | 3.0000e-005        |               | 6.4000e-004        | 6.4000e-004        |                | 6.4000e-004        | 6.4000e-004        | 0.0000        | 2.2979        | 2.2979        | 1.4000e-004        | 0.0000        | 2.3014        |
| <b>Total</b>    | <b>0.1923</b> | <b>0.0117</b> | <b>0.0163</b> | <b>3.0000e-005</b> |               | <b>6.4000e-004</b> | <b>6.4000e-004</b> |                | <b>6.4000e-004</b> | <b>6.4000e-004</b> | <b>0.0000</b> | <b>2.2979</b> | <b>2.2979</b> | <b>1.4000e-004</b> | <b>0.0000</b> | <b>2.3014</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       | 4.6000e-004        | 3.2000e-004        | 3.9100e-003        | 1.0000e-005        | 1.3700e-003        | 1.0000e-005        | 1.3800e-003        | 3.6000e-004        | 1.0000e-005        | 3.7000e-004        | 0.0000        | 1.0987        | 1.0987        | 3.0000e-005        | 3.0000e-005        | 1.1085        |
| <b>Total</b> | <b>4.6000e-004</b> | <b>3.2000e-004</b> | <b>3.9100e-003</b> | <b>1.0000e-005</b> | <b>1.3700e-003</b> | <b>1.0000e-005</b> | <b>1.3800e-003</b> | <b>3.6000e-004</b> | <b>1.0000e-005</b> | <b>3.7000e-004</b> | <b>0.0000</b> | <b>1.0987</b> | <b>1.0987</b> | <b>3.0000e-005</b> | <b>3.0000e-005</b> | <b>1.1085</b> |

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**3.5 Architectural Coating - 2023**

**Mitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category        | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Archit. Coating | 0.1906        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.7200e-003   | 0.0117        | 0.0163        | 3.0000e-005        |               | 6.4000e-004        | 6.4000e-004        |                | 6.4000e-004        | 6.4000e-004        | 0.0000        | 2.2979        | 2.2979        | 1.4000e-004        | 0.0000        | 2.3014        |
| <b>Total</b>    | <b>0.1923</b> | <b>0.0117</b> | <b>0.0163</b> | <b>3.0000e-005</b> |               | <b>6.4000e-004</b> | <b>6.4000e-004</b> |                | <b>6.4000e-004</b> | <b>6.4000e-004</b> | <b>0.0000</b> | <b>2.2979</b> | <b>2.2979</b> | <b>1.4000e-004</b> | <b>0.0000</b> | <b>2.3014</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       | 4.6000e-004        | 3.2000e-004        | 3.9100e-003        | 1.0000e-005        | 1.3700e-003        | 1.0000e-005        | 1.3800e-003        | 3.6000e-004        | 1.0000e-005        | 3.7000e-004        | 0.0000        | 1.0987        | 1.0987        | 3.0000e-005        | 3.0000e-005        | 1.1085        |
| <b>Total</b> | <b>4.6000e-004</b> | <b>3.2000e-004</b> | <b>3.9100e-003</b> | <b>1.0000e-005</b> | <b>1.3700e-003</b> | <b>1.0000e-005</b> | <b>1.3800e-003</b> | <b>3.6000e-004</b> | <b>1.0000e-005</b> | <b>3.7000e-004</b> | <b>0.0000</b> | <b>1.0987</b> | <b>1.0987</b> | <b>3.0000e-005</b> | <b>3.0000e-005</b> | <b>1.1085</b> |

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

Improve Destination Accessibility

Increase Transit Accessibility

|             | ROG     | NOx    | CO     | SO2         | Fugitive 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   | 0.2670  | 0.2699 | 2.2106 | 4.2100e-003 | 0.4295        | 3.4400e-003  | 0.4330     | 0.1146         | 3.2000e-003   | 0.1178      | 0.0000   | 393.2559  | 393.2559  | 0.0323 | 0.0198 | 399.9571 |
| Unmitigated | 0.3121  | 0.3521 | 2.8748 | 5.9000e-003 | 0.6086        | 4.6800e-003  | 0.6133     | 0.1624         | 4.3700e-003   | 0.1668      | 0.0000   | 551.0163  | 551.0163  | 0.0402 | 0.0255 | 559.6050 |

**4.2 Trip Summary Information**

| Land Use                         | Average Daily Trip Rate |               |               | Unmitigated      | Mitigated        |
|----------------------------------|-------------------------|---------------|---------------|------------------|------------------|
|                                  | Weekday                 | Saturday      | Sunday        | Annual VMT       | Annual VMT       |
| General Office Building          | 343.00                  | 343.00        | 343.00        | 819,685          | 578,499          |
| Other Non-Asphalt Surfaces       | 0.00                    | 0.00          | 0.00          |                  |                  |
| Parking Lot                      | 0.00                    | 0.00          | 0.00          |                  |                  |
| Unrefrigerated Warehouse-No Rail | 168.25                  | 168.25        | 168.25        | 491,208          | 346,674          |
| Manufacturing                    | 108.25                  | 108.25        | 108.25        | 316,037          | 223,046          |
| <b>Total</b>                     | <b>619.50</b>           | <b>619.50</b> | <b>619.50</b> | <b>1,626,930</b> | <b>1,148,218</b> |

**4.3 Trip Type Information**

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

| 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 Office Building     | 9.50       | 7.30       | 7.30        | 33.00      | 48.00      | 19.00       | 77             | 19       | 4       |
| Other Non-Asphalt Surfaces  | 9.50       | 7.30       | 7.30        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Parking Lot                 | 9.50       | 7.30       | 7.30        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Unrefrigerated Warehouse-No | 9.50       | 7.30       | 7.30        | 59.00      | 0.00       | 41.00       | 92             | 5        | 3       |
| Manufacturing               | 9.50       | 7.30       | 7.30        | 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 Office Building             | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |
| Other Non-Asphalt Surfaces          | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |
| Parking Lot                         | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |
| Unrefrigerated Warehouse-No<br>Rail | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |
| Manufacturing                       | 0.553514 | 0.062792 | 0.181046 | 0.120736 | 0.024419 | 0.006214 | 0.008493 | 0.006184 | 0.000715 | 0.000556 | 0.029185 | 0.000982 | 0.005164 |

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

|                         | ROG         | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e     |
|-------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category                | tons/yr     |        |        |             |               |              |             |                |               |             | MT/yr    |           |           |             |             |          |
| Electricity Mitigated   |             |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 133.5058  | 133.5058  | 8.1600e-003 | 9.9000e-004 | 134.0045 |
| Electricity Unmitigated |             |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 133.5058  | 133.5058  | 8.1600e-003 | 9.9000e-004 | 134.0045 |
| NaturalGas Mitigated    | 3.5000e-003 | 0.0318 | 0.0267 | 1.9000e-004 |               | 2.4200e-003  | 2.4200e-003 |                | 2.4200e-003   | 2.4200e-003 | 0.0000   | 34.6035   | 34.6035   | 6.6000e-004 | 6.3000e-004 | 34.8091  |
| NaturalGas Unmitigated  | 3.5000e-003 | 0.0318 | 0.0267 | 1.9000e-004 |               | 2.4200e-003  | 2.4200e-003 |                | 2.4200e-003   | 2.4200e-003 | 0.0000   | 34.6035   | 34.6035   | 6.6000e-004 | 6.3000e-004 | 34.8091  |

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

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

Unmitigated

|                                  | Natural Gas Use | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------------|-----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use                         | kBTU/yr         | tons/yr            |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |                    |                |
| General Office Building          | 343515          | 1.8500e-003        | 0.0168        | 0.0141        | 1.0000e-004        |               | 1.2800e-003        | 1.2800e-003        |                | 1.2800e-003        | 1.2800e-003        | 0.0000        | 18.3312        | 18.3312        | 3.5000e-004        | 3.4000e-004        | 18.4402        |
| Manufacturing                    | 249408          | 1.3400e-003        | 0.0122        | 0.0103        | 7.0000e-005        |               | 9.3000e-004        | 9.3000e-004        |                | 9.3000e-004        | 9.3000e-004        | 0.0000        | 13.3094        | 13.3094        | 2.6000e-004        | 2.4000e-004        | 13.3885        |
| 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             | 0.0000         |
| Parking Lot                      | 0               | 0.0000             | 0.0000        | 0.0000        | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Unrefrigerated Warehouse-No Rail | 55522.5         | 3.0000e-004        | 2.7200e-003   | 2.2900e-003   | 2.0000e-005        |               | 2.1000e-004        | 2.1000e-004        |                | 2.1000e-004        | 2.1000e-004        | 0.0000        | 2.9629         | 2.9629         | 6.0000e-005        | 5.0000e-005        | 2.9805         |
| <b>Total</b>                     |                 | <b>3.4900e-003</b> | <b>0.0318</b> | <b>0.0267</b> | <b>1.9000e-004</b> |               | <b>2.4200e-003</b> | <b>2.4200e-003</b> |                | <b>2.4200e-003</b> | <b>2.4200e-003</b> | <b>0.0000</b> | <b>34.6035</b> | <b>34.6035</b> | <b>6.7000e-004</b> | <b>6.3000e-004</b> | <b>34.8091</b> |



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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

|                                  | NaturalGas Use | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use                         | kBTU/yr        | tons/yr            |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |                    |                |
| General Office Building          | 343515         | 1.8500e-003        | 0.0168        | 0.0141        | 1.0000e-004        |               | 1.2800e-003        | 1.2800e-003        |                | 1.2800e-003        | 1.2800e-003        | 0.0000        | 18.3312        | 18.3312        | 3.5000e-004        | 3.4000e-004        | 18.4402        |
| Manufacturing                    | 249408         | 1.3400e-003        | 0.0122        | 0.0103        | 7.0000e-005        |               | 9.3000e-004        | 9.3000e-004        |                | 9.3000e-004        | 9.3000e-004        | 0.0000        | 13.3094        | 13.3094        | 2.6000e-004        | 2.4000e-004        | 13.3885        |
| 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             | 0.0000         |
| Parking Lot                      | 0              | 0.0000             | 0.0000        | 0.0000        | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Unrefrigerated Warehouse-No Rail | 55522.5        | 3.0000e-004        | 2.7200e-003   | 2.2900e-003   | 2.0000e-005        |               | 2.1000e-004        | 2.1000e-004        |                | 2.1000e-004        | 2.1000e-004        | 0.0000        | 2.9629         | 2.9629         | 6.0000e-005        | 5.0000e-005        | 2.9805         |
| <b>Total</b>                     |                | <b>3.4900e-003</b> | <b>0.0318</b> | <b>0.0267</b> | <b>1.9000e-004</b> |               | <b>2.4200e-003</b> | <b>2.4200e-003</b> |                | <b>2.4200e-003</b> | <b>2.4200e-003</b> | <b>0.0000</b> | <b>34.6035</b> | <b>34.6035</b> | <b>6.7000e-004</b> | <b>6.3000e-004</b> | <b>34.8091</b> |

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

|                                  | Electricity Use | Total CO2       | CH4                | N2O                | CO2e            |
|----------------------------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use                         | kWh/yr          | MT/yr           |                    |                    |                 |
| General Office Building          | 221921          | 54.3553         | 3.3200e-003        | 4.0000e-004        | 54.5583         |
| Manufacturing                    | 177097          | 43.3765         | 2.6500e-003        | 3.2000e-004        | 43.5385         |
| Other Non-Asphalt Surfaces       | 0               | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Parking Lot                      | 26600           | 6.5152          | 4.0000e-004        | 5.0000e-005        | 6.5395          |
| Unrefrigerated Warehouse-No Rail | 119458          | 29.2588         | 1.7900e-003        | 2.2000e-004        | 29.3681         |
| <b>Total</b>                     |                 | <b>133.5058</b> | <b>8.1600e-003</b> | <b>9.9000e-004</b> | <b>134.0045</b> |

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

**5.3 Energy by Land Use - Electricity**

Mitigated

|                                  | Electricity Use | Total CO2       | CH4                | N2O                | CO2e            |
|----------------------------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use                         | kWh/yr          | MT/yr           |                    |                    |                 |
| General Office Building          | 221921          | 54.3553         | 3.3200e-003        | 4.0000e-004        | 54.5583         |
| Manufacturing                    | 177097          | 43.3765         | 2.6500e-003        | 3.2000e-004        | 43.5385         |
| Other Non-Asphalt Surfaces       | 0               | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Parking Lot                      | 26600           | 6.5152          | 4.0000e-004        | 5.0000e-005        | 6.5395          |
| Unrefrigerated Warehouse-No Rail | 119458          | 29.2588         | 1.7900e-003        | 2.2000e-004        | 29.3681         |
| <b>Total</b>                     |                 | <b>133.5058</b> | <b>8.1600e-003</b> | <b>9.9000e-004</b> | <b>134.0045</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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

|             | ROG     | NOx         | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4         | N2O    | CO2e        |
|-------------|---------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|--------|-------------|
| Category    | tons/yr |             |             |        |               |              |             |                |               |             | MT/yr    |             |             |             |        |             |
| Mitigated   | 0.3128  | 2.0000e-005 | 2.4300e-003 | 0.0000 |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 | 0.0000   | 4.7300e-003 | 4.7300e-003 | 1.0000e-005 | 0.0000 | 5.0400e-003 |
| Unmitigated | 0.3128  | 2.0000e-005 | 2.4300e-003 | 0.0000 |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 | 0.0000   | 4.7300e-003 | 4.7300e-003 | 1.0000e-005 | 0.0000 | 5.0400e-003 |

**6.2 Area by SubCategory**

Unmitigated

|                       | ROG           | NOx                | CO                 | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2          | Total CO2          | CH4                | N2O           | CO2e               |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory           | tons/yr       |                    |                    |               |               |                    |                    |                |                    |                    | MT/yr         |                    |                    |                    |               |                    |
| Architectural Coating | 0.0191        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Consumer Products     | 0.2935        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Landscaping           | 2.3000e-004   | 2.0000e-005        | 2.4300e-003        | 0.0000        |               | 1.0000e-005        | 1.0000e-005        |                | 1.0000e-005        | 1.0000e-005        | 0.0000        | 4.7300e-003        | 4.7300e-003        | 1.0000e-005        | 0.0000        | 5.0400e-003        |
| <b>Total</b>          | <b>0.3128</b> | <b>2.0000e-005</b> | <b>2.4300e-003</b> | <b>0.0000</b> |               | <b>1.0000e-005</b> | <b>1.0000e-005</b> |                | <b>1.0000e-005</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>4.7300e-003</b> | <b>4.7300e-003</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>5.0400e-003</b> |

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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 | 0.0191        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Consumer Products     | 0.2935        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Landscaping           | 2.3000e-004   | 2.0000e-005        | 2.4300e-003        | 0.0000        |               | 1.0000e-005        | 1.0000e-005        |                | 1.0000e-005        | 1.0000e-005        | 0.0000        | 4.7300e-003        | 4.7300e-003        | 1.0000e-005        | 0.0000        | 5.0400e-003        |
| <b>Total</b>          | <b>0.3128</b> | <b>2.0000e-005</b> | <b>2.4300e-003</b> | <b>0.0000</b> |               | <b>1.0000e-005</b> | <b>1.0000e-005</b> |                | <b>1.0000e-005</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>4.7300e-003</b> | <b>4.7300e-003</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>5.0400e-003</b> |

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

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

|             | Total CO2 | CH4    | N2O    | CO2e    |
|-------------|-----------|--------|--------|---------|
| Category    | MT/yr     |        |        |         |
| Mitigated   | 60.6136   | 0.5194 | 0.0126 | 77.3528 |
| Unmitigated | 60.6136   | 0.5194 | 0.0126 | 77.3528 |

**7.2 Water by Land Use**

**Unmitigated**

|                                  | Indoor/Outdoor Use | Total CO2      | CH4           | N2O           | CO2e           |
|----------------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use                         | Mgal               | MT/yr          |               |               |                |
| General Office Building          | 3.04813 / 1.86821  | 15.7720        | 0.1002        | 2.4500e-003   | 19.0093        |
| Manufacturing                    | 5.00656 / 0        | 17.5555        | 0.1641        | 3.9700e-003   | 22.8415        |
| Other Non-Asphalt Surfaces       | 0 / 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Parking Lot                      | 0 / 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Unrefrigerated Warehouse-No Rail | 7.78156 / 0        | 27.2860        | 0.2551        | 6.1700e-003   | 35.5020        |
| <b>Total</b>                     |                    | <b>60.6136</b> | <b>0.5194</b> | <b>0.0126</b> | <b>77.3528</b> |

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

**7.2 Water by Land Use**

Mitigated

|                                  | Indoor/Outdoor Use | Total CO2      | CH4           | N2O           | CO2e           |
|----------------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use                         | Mgal               | MT/yr          |               |               |                |
| General Office Building          | 3.04813 / 1.86821  | 15.7720        | 0.1002        | 2.4500e-003   | 19.0093        |
| Manufacturing                    | 5.00656 / 0        | 17.5555        | 0.1641        | 3.9700e-003   | 22.8415        |
| Other Non-Asphalt Surfaces       | 0 / 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Parking Lot                      | 0 / 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Unrefrigerated Warehouse-No Rail | 7.78156 / 0        | 27.2860        | 0.2551        | 6.1700e-003   | 35.5020        |
| <b>Total</b>                     |                    | <b>60.6136</b> | <b>0.5194</b> | <b>0.0126</b> | <b>77.3528</b> |

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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

Category/Year

|             | Total CO2 | CH4    | N2O    | CO2e    |
|-------------|-----------|--------|--------|---------|
|             | MT/yr     |        |        |         |
| Mitigated   | 3.7772    | 0.2232 | 0.0000 | 9.3577  |
| Unmitigated | 15.1086   | 0.8929 | 0.0000 | 37.4310 |

**8.2 Waste by Land Use**

Unmitigated

|                                  | Waste Disposed | Total CO2      | CH4           | N2O           | CO2e           |
|----------------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use                         | tons           | MT/yr          |               |               |                |
| General Office Building          | 15.95          | 3.2377         | 0.1913        | 0.0000        | 8.0213         |
| Manufacturing                    | 26.85          | 5.4503         | 0.3221        | 0.0000        | 13.5029        |
| Other Non-Asphalt Surfaces       | 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Parking Lot                      | 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Unrefrigerated Warehouse-No Rail | 31.63          | 6.4206         | 0.3795        | 0.0000        | 15.9068        |
| <b>Total</b>                     |                | <b>15.1086</b> | <b>0.8929</b> | <b>0.0000</b> | <b>37.4310</b> |



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

**8.2 Waste by Land Use**

Mitigated

|                                  | Waste Disposed | Total CO2     | CH4           | N2O           | CO2e          |
|----------------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use                         | tons           | MT/yr         |               |               |               |
| General Office Building          | 3.9875         | 0.8094        | 0.0478        | 0.0000        | 2.0053        |
| Manufacturing                    | 6.7125         | 1.3626        | 0.0805        | 0.0000        | 3.3757        |
| Other Non-Asphalt Surfaces       | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Parking Lot                      | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Unrefrigerated Warehouse-No Rail | 7.9075         | 1.6052        | 0.0949        | 0.0000        | 3.9767        |
| <b>Total</b>                     |                | <b>3.7772</b> | <b>0.2232</b> | <b>0.0000</b> | <b>9.3577</b> |

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

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

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

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**User Defined Equipment**

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

**11.0 Vegetation**

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|             | Total CO2 | CH4    | N2O    | CO2e    |
|-------------|-----------|--------|--------|---------|
| Category    | MT        |        |        |         |
| Unmitigated | 36.8160   | 0.0000 | 0.0000 | 36.8160 |

**11.2 Net New Trees**

**Species Class**

|               | Number of Trees | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|-----------------|----------------|---------------|---------------|----------------|
|               |                 | MT             |               |               |                |
| Miscellaneous | 52              | 36.8160        | 0.0000        | 0.0000        | 36.8160        |
| <b>Total</b>  |                 | <b>36.8160</b> | <b>0.0000</b> | <b>0.0000</b> | <b>36.8160</b> |