

Of Family Equipment Storage Yard - South Coast AQMD Air District, Annual

**Of Family Equipment Storage Yard**  
**South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                  | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------|--------|----------|-------------|--------------------|------------|
| Office Park                | 5.10   | 1000sqft | 0.12        | 5,104.00           | 0          |
| Other Asphalt Surfaces     | 15.51  | 1000sqft | 0.36        | 15,507.00          | 0          |
| Other Non-Asphalt Surfaces | 332.15 | 1000sqft | 7.63        | 332,152.00         | 0          |

**1.2 Other Project Characteristics**

|                                |                            |                                |       |                                  |       |
|--------------------------------|----------------------------|--------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>            | Urban                      | <b>Wind Speed (m/s)</b>        | 2.2   | <b>Precipitation Freq (Days)</b> | 31    |
| <b>Climate Zone</b>            | 10                         |                                |       | <b>Operational Year</b>          | 2021  |
| <b>Utility Company</b>         | Southern California Edison |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 702.44                     | <b>CH4 Intensity (lb/MWhr)</b> | 0.029 | <b>N2O Intensity (lb/MWhr)</b>   | 0.006 |

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

Project Characteristics -

Land Use - Per Site Plan

Vehicle Trips - Per Trip Generation & Vehicle Miles Traveled Screening

Fleet Mix - Pre Trip Generation Vehicle Miles traveled Screening Analysis, Table 1: "Observed Site Trip Generation Rates Estimated Based on Traffic Count Data"

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| Table Name      | Column Name       | Default Value | New Value  |
|-----------------|-------------------|---------------|------------|
| tblFleetMix     | HHD               | 0.03          | 0.14       |
| tblFleetMix     | LDA               | 0.55          | 0.69       |
| tblFleetMix     | LDT1              | 0.04          | 0.00       |
| tblFleetMix     | LDT2              | 0.20          | 0.00       |
| tblFleetMix     | LHD1              | 0.02          | 0.14       |
| tblFleetMix     | LHD2              | 5.8510e-003   | 0.00       |
| tblFleetMix     | MCY               | 4.8170e-003   | 0.00       |
| tblFleetMix     | MDV               | 0.12          | 0.00       |
| tblFleetMix     | MH                | 9.2500e-004   | 0.00       |
| tblFleetMix     | MHD               | 0.02          | 0.04       |
| tblFleetMix     | OBUS              | 2.0700e-003   | 0.00       |
| tblFleetMix     | SBUS              | 7.0700e-004   | 0.00       |
| tblFleetMix     | UBUS              | 1.8770e-003   | 0.00       |
| tblLandUse      | LandUseSquareFeet | 5,100.00      | 5,104.00   |
| tblLandUse      | LandUseSquareFeet | 15,510.00     | 15,507.00  |
| tblLandUse      | LandUseSquareFeet | 332,150.00    | 332,152.00 |
| tblVehicleTrips | ST_TR             | 1.64          | 14.49      |
| tblVehicleTrips | SU_TR             | 0.76          | 14.49      |
| tblVehicleTrips | WD_TR             | 11.42         | 14.49      |

## 2.0 Emissions Summary

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**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         |                 |                 |               |               |                 |
| 2021           | 0.0697        | 0.7035        | 0.4526        | 8.4000e-004        | 0.1447        | 0.0345        | 0.1791        | 0.0761         | 0.0319        | 0.1079        | 0.0000        | 73.6276         | 73.6276         | 0.0214        | 0.0000        | 74.1623         |
| 2022           | 0.3165        | 2.6228        | 2.7777        | 6.8300e-003        | 0.2520        | 0.1038        | 0.3558        | 0.0713         | 0.0975        | 0.1688        | 0.0000        | 614.3160        | 614.3160        | 0.0864        | 0.0000        | 616.4754        |
| 2023           | 0.0563        | 0.0103        | 0.0203        | 4.0000e-005        | 2.4700e-003   | 5.5000e-004   | 3.0200e-003   | 6.6000e-004    | 5.5000e-004   | 1.2000e-003   | 0.0000        | 3.9108          | 3.9108          | 1.6000e-004   | 0.0000        | 3.9148          |
| <b>Maximum</b> | <b>0.3165</b> | <b>2.6228</b> | <b>2.7777</b> | <b>6.8300e-003</b> | <b>0.2520</b> | <b>0.1038</b> | <b>0.3558</b> | <b>0.0761</b>  | <b>0.0975</b> | <b>0.1688</b> | <b>0.0000</b> | <b>614.3160</b> | <b>614.3160</b> | <b>0.0864</b> | <b>0.0000</b> | <b>616.4754</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         |                 |                 |               |               |                 |
| 2021           | 0.0697        | 0.7035        | 0.4526        | 8.4000e-004        | 0.1447        | 0.0345        | 0.1791        | 0.0761         | 0.0319        | 0.1079        | 0.0000        | 73.6275         | 73.6275         | 0.0214        | 0.0000        | 74.1622         |
| 2022           | 0.3165        | 2.6228        | 2.7777        | 6.8300e-003        | 0.2520        | 0.1038        | 0.3558        | 0.0713         | 0.0975        | 0.1688        | 0.0000        | 614.3156        | 614.3156        | 0.0864        | 0.0000        | 616.4751        |
| 2023           | 0.0563        | 0.0103        | 0.0203        | 4.0000e-005        | 2.4700e-003   | 5.5000e-004   | 3.0200e-003   | 6.6000e-004    | 5.5000e-004   | 1.2000e-003   | 0.0000        | 3.9108          | 3.9108          | 1.6000e-004   | 0.0000        | 3.9148          |
| <b>Maximum</b> | <b>0.3165</b> | <b>2.6228</b> | <b>2.7777</b> | <b>6.8300e-003</b> | <b>0.2520</b> | <b>0.1038</b> | <b>0.3558</b> | <b>0.0761</b>  | <b>0.0975</b> | <b>0.1688</b> | <b>0.0000</b> | <b>614.3156</b> | <b>614.3156</b> | <b>0.0864</b> | <b>0.0000</b> | <b>616.4751</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 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

| Quarter | Start Date | End Date   | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|------------|--|--|
| 1       | 11-1-2021  | 1-31-2022  | 1.0094                                       | 1.0094                                     |
| 2       | 2-1-2022   | 4-30-2022  | 0.7542                                       | 0.7542                                     |
| 3       | 5-1-2022   | 7-31-2022  | 0.7779                                       | 0.7779                                     |
| 4       | 8-1-2022   | 10-31-2022 | 0.7788                                       | 0.7788                                     |
| 5       | 11-1-2022  | 1-31-2023  | 0.4252                                       | 0.4252                                     |
|         |            | Highest    | 1.0094                                       | 1.0094                                     |

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         | 0.0485        | 4.0000e-005   | 4.5200e-003   | 0.0000             |               | 2.0000e-005        | 2.0000e-005   |                | 2.0000e-005        | 2.0000e-005   | 0.0000        | 8.7500e-003     | 8.7500e-003     | 2.0000e-005   | 0.0000             | 9.3400e-003     |
| Energy       | 8.0000e-005   | 7.3000e-004   | 6.1000e-004   | 0.0000             |               | 6.0000e-005        | 6.0000e-005   |                | 6.0000e-005        | 6.0000e-005   | 0.0000        | 16.9114         | 16.9114         | 6.8000e-004   | 1.5000e-004        | 16.9738         |
| Mobile       | 0.0231        | 0.4001        | 0.2651        | 1.6200e-003        | 0.0976        | 1.5900e-003        | 0.0992        | 0.0265         | 1.5100e-003        | 0.0280        | 0.0000        | 153.2102        | 153.2102        | 7.5900e-003   | 0.0000             | 153.4000        |
| Waste        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 0.9622        | 0.0000          | 0.9622          | 0.0569        | 0.0000             | 2.3838          |
| Water        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 0.2876        | 5.7272          | 6.0148          | 0.0298        | 7.5000e-004        | 6.9816          |
| <b>Total</b> | <b>0.0717</b> | <b>0.4009</b> | <b>0.2702</b> | <b>1.6200e-003</b> | <b>0.0976</b> | <b>1.6700e-003</b> | <b>0.0993</b> | <b>0.0265</b>  | <b>1.5900e-003</b> | <b>0.0281</b> | <b>1.2498</b> | <b>175.8576</b> | <b>177.1073</b> | <b>0.0949</b> | <b>9.0000e-004</b> | <b>179.7484</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         | 0.0485        | 4.0000e-005   | 4.5200e-003   | 0.0000             |               | 2.0000e-005        | 2.0000e-005   |                | 2.0000e-005        | 2.0000e-005   | 0.0000        | 8.7500e-003     | 8.7500e-003     | 2.0000e-005   | 0.0000             | 9.3400e-003     |
| Energy       | 8.0000e-005   | 7.3000e-004   | 6.1000e-004   | 0.0000             |               | 6.0000e-005        | 6.0000e-005   |                | 6.0000e-005        | 6.0000e-005   | 0.0000        | 16.9114         | 16.9114         | 6.8000e-004   | 1.5000e-004        | 16.9738         |
| Mobile       | 0.0231        | 0.4001        | 0.2651        | 1.6200e-003        | 0.0976        | 1.5900e-003        | 0.0992        | 0.0265         | 1.5100e-003        | 0.0280        | 0.0000        | 153.2102        | 153.2102        | 7.5900e-003   | 0.0000             | 153.4000        |
| Waste        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 0.9622        | 0.0000          | 0.9622          | 0.0569        | 0.0000             | 2.3838          |
| Water        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 0.2876        | 5.7272          | 6.0148          | 0.0298        | 7.5000e-004        | 6.9816          |
| <b>Total</b> | <b>0.0717</b> | <b>0.4009</b> | <b>0.2702</b> | <b>1.6200e-003</b> | <b>0.0976</b> | <b>1.6700e-003</b> | <b>0.0993</b> | <b>0.0265</b>  | <b>1.5900e-003</b> | <b>0.0281</b> | <b>1.2498</b> | <b>175.8576</b> | <b>177.1073</b> | <b>0.0949</b> | <b>9.0000e-004</b> | <b>179.7484</b> |

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

**3.0 Construction Detail**

**Construction Phase**

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| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Architectural Coating | Architectural Coating | 12/24/2022 | 1/20/2023  | 5             | 20       |                   |
| 2            | Building Construction | Building Construction | 1/8/2022   | 11/25/2022 | 5             | 230      |                   |
| 3            | Demolition            | Demolition            | 11/1/2021  | 11/26/2021 | 5             | 20       |                   |
| 4            | Grading               | Grading               | 12/11/2021 | 1/7/2022   | 5             | 20       |                   |
| 5            | Paving                | Paving                | 11/26/2022 | 12/23/2022 | 5             | 20       |                   |
| 6            | Site Preparation      | Site Preparation      | 11/27/2021 | 12/10/2021 | 5             | 10       |                   |

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

**Acres of Grading (Grading Phase): 10**

**Acres of Paving: 7.99**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 7,656; Non-Residential Outdoor: 2,552; Striped Parking Area: 20,860 (Architectural Coating – sqft)**

**OffRoad Equipment**

## Off Family Equipment Storage Yard - South Coast AQMD Air District, Annual

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| 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        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |

**Trips and VMT**

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| 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Architectural Coating | 1                       | 30.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 148.00             | 58.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Demolition            | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 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         |               |               |                    |               |               |
| Archit. Coating | 0.0180        |                    |                    |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 5.1000e-004   | 3.5200e-003        | 4.5300e-003        | 1.0000e-005        |               | 2.0000e-004        | 2.0000e-004        |                | 2.0000e-004        | 2.0000e-004        | 0.0000        | 0.6383        | 0.6383        | 4.0000e-005        | 0.0000        | 0.6394        |
| <b>Total</b>    | <b>0.0185</b> | <b>3.5200e-003</b> | <b>4.5300e-003</b> | <b>1.0000e-005</b> |               | <b>2.0000e-004</b> | <b>2.0000e-004</b> |                | <b>2.0000e-004</b> | <b>2.0000e-004</b> | <b>0.0000</b> | <b>0.6383</b> | <b>0.6383</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>0.6394</b> |



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**3.2 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.9000e-004        | 2.1000e-004        | 2.4100e-003        | 1.0000e-005        | 8.2000e-004        | 1.0000e-005        | 8.3000e-004        | 2.2000e-004        | 1.0000e-005        | 2.2000e-004        | 0.0000        | 0.6911        | 0.6911        | 2.0000e-005        | 0.0000        | 0.6915        |
| <b>Total</b> | <b>2.9000e-004</b> | <b>2.1000e-004</b> | <b>2.4100e-003</b> | <b>1.0000e-005</b> | <b>8.2000e-004</b> | <b>1.0000e-005</b> | <b>8.3000e-004</b> | <b>2.2000e-004</b> | <b>1.0000e-005</b> | <b>2.2000e-004</b> | <b>0.0000</b> | <b>0.6911</b> | <b>0.6911</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.6915</b> |

**Mitigated Construction On-Site**

|                 | ROG           | NOx                | CO                 | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category        | tons/yr       |                    |                    |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Archit. Coating | 0.0180        |                    |                    |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 5.1000e-004   | 3.5200e-003        | 4.5300e-003        | 1.0000e-005        |               | 2.0000e-004        | 2.0000e-004        |                | 2.0000e-004        | 2.0000e-004        | 0.0000        | 0.6383        | 0.6383        | 4.0000e-005        | 0.0000        | 0.6394        |
| <b>Total</b>    | <b>0.0185</b> | <b>3.5200e-003</b> | <b>4.5300e-003</b> | <b>1.0000e-005</b> |               | <b>2.0000e-004</b> | <b>2.0000e-004</b> |                | <b>2.0000e-004</b> | <b>2.0000e-004</b> | <b>0.0000</b> | <b>0.6383</b> | <b>0.6383</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>0.6394</b> |

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**3.2 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.9000e-004        | 2.1000e-004        | 2.4100e-003        | 1.0000e-005        | 8.2000e-004        | 1.0000e-005        | 8.3000e-004        | 2.2000e-004        | 1.0000e-005        | 2.2000e-004        | 0.0000        | 0.6911        | 0.6911        | 2.0000e-005        | 0.0000        | 0.6915        |
| <b>Total</b> | <b>2.9000e-004</b> | <b>2.1000e-004</b> | <b>2.4100e-003</b> | <b>1.0000e-005</b> | <b>8.2000e-004</b> | <b>1.0000e-005</b> | <b>8.3000e-004</b> | <b>2.2000e-004</b> | <b>1.0000e-005</b> | <b>2.2000e-004</b> | <b>0.0000</b> | <b>0.6911</b> | <b>0.6911</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.6915</b> |

**3.2 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 | 0.0540        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.4400e-003   | 9.7700e-003        | 0.0136        | 2.0000e-005        |               | 5.3000e-004        | 5.3000e-004        |                | 5.3000e-004        | 5.3000e-004        | 0.0000        | 1.9149        | 1.9149        | 1.1000e-004        | 0.0000        | 1.9178        |
| <b>Total</b>    | <b>0.0554</b> | <b>9.7700e-003</b> | <b>0.0136</b> | <b>2.0000e-005</b> |               | <b>5.3000e-004</b> | <b>5.3000e-004</b> |                | <b>5.3000e-004</b> | <b>5.3000e-004</b> | <b>0.0000</b> | <b>1.9149</b> | <b>1.9149</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>1.9178</b> |

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**3.2 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 8.3000e-004        | 5.7000e-004        | 6.6800e-003        | 2.0000e-005        | 2.4700e-003        | 2.0000e-005        | 2.4900e-003        | 6.6000e-004        | 2.0000e-005        | 6.7000e-004        | 0.0000        | 1.9958        | 1.9958        | 5.0000e-005        | 0.0000        | 1.9970        |
| <b>Total</b> | <b>8.3000e-004</b> | <b>5.7000e-004</b> | <b>6.6800e-003</b> | <b>2.0000e-005</b> | <b>2.4700e-003</b> | <b>2.0000e-005</b> | <b>2.4900e-003</b> | <b>6.6000e-004</b> | <b>2.0000e-005</b> | <b>6.7000e-004</b> | <b>0.0000</b> | <b>1.9958</b> | <b>1.9958</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>1.9970</b> |

**Mitigated Construction On-Site**

|                 | ROG           | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category        | tons/yr       |                    |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Archit. Coating | 0.0540        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.4400e-003   | 9.7700e-003        | 0.0136        | 2.0000e-005        |               | 5.3000e-004        | 5.3000e-004        |                | 5.3000e-004        | 5.3000e-004        | 0.0000        | 1.9149        | 1.9149        | 1.1000e-004        | 0.0000        | 1.9178        |
| <b>Total</b>    | <b>0.0554</b> | <b>9.7700e-003</b> | <b>0.0136</b> | <b>2.0000e-005</b> |               | <b>5.3000e-004</b> | <b>5.3000e-004</b> |                | <b>5.3000e-004</b> | <b>5.3000e-004</b> | <b>0.0000</b> | <b>1.9149</b> | <b>1.9149</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>1.9178</b> |

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**3.2 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 8.3000e-004        | 5.7000e-004        | 6.6800e-003        | 2.0000e-005        | 2.4700e-003        | 2.0000e-005        | 2.4900e-003        | 6.6000e-004        | 2.0000e-005        | 6.7000e-004        | 0.0000        | 1.9958        | 1.9958        | 5.0000e-005        | 0.0000        | 1.9970        |
| <b>Total</b> | <b>8.3000e-004</b> | <b>5.7000e-004</b> | <b>6.6800e-003</b> | <b>2.0000e-005</b> | <b>2.4700e-003</b> | <b>2.0000e-005</b> | <b>2.4900e-003</b> | <b>6.6000e-004</b> | <b>2.0000e-005</b> | <b>6.7000e-004</b> | <b>0.0000</b> | <b>1.9958</b> | <b>1.9958</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>1.9970</b> |

**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     | 0.1962        | 1.7958        | 1.8818        | 3.1000e-003        |               | 0.0930        | 0.0930        |                | 0.0875        | 0.0875        | 0.0000        | 266.4840        | 266.4840        | 0.0638        | 0.0000        | 268.0801        |
| <b>Total</b> | <b>0.1962</b> | <b>1.7958</b> | <b>1.8818</b> | <b>3.1000e-003</b> |               | <b>0.0930</b> | <b>0.0930</b> |                | <b>0.0875</b> | <b>0.0875</b> | <b>0.0000</b> | <b>266.4840</b> | <b>266.4840</b> | <b>0.0638</b> | <b>0.0000</b> | <b>268.0801</b> |

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**3.3 Building Construction - 2022**

**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       | 0.0178        | 0.6120        | 0.1512        | 1.6700e-003        | 0.0420        | 1.1300e-003        | 0.0432        | 0.0121         | 1.0800e-003        | 0.0132        | 0.0000        | 161.4119        | 161.4119        | 9.9100e-003   | 0.0000        | 161.6597        |
| Worker       | 0.0666        | 0.0474        | 0.5477        | 1.7300e-003        | 0.1867        | 1.3600e-003        | 0.1881        | 0.0496         | 1.2500e-003        | 0.0508        | 0.0000        | 156.8218        | 156.8218        | 3.9400e-003   | 0.0000        | 156.9203        |
| <b>Total</b> | <b>0.0844</b> | <b>0.6593</b> | <b>0.6989</b> | <b>3.4000e-003</b> | <b>0.2288</b> | <b>2.4900e-003</b> | <b>0.2313</b> | <b>0.0617</b>  | <b>2.3300e-003</b> | <b>0.0641</b> | <b>0.0000</b> | <b>318.2337</b> | <b>318.2337</b> | <b>0.0139</b> | <b>0.0000</b> | <b>318.5800</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.1962        | 1.7958        | 1.8818        | 3.1000e-003        |               | 0.0930        | 0.0930        |                | 0.0875        | 0.0875        | 0.0000        | 266.4837        | 266.4837        | 0.0638        | 0.0000        | 268.0798        |
| <b>Total</b> | <b>0.1962</b> | <b>1.7958</b> | <b>1.8818</b> | <b>3.1000e-003</b> |               | <b>0.0930</b> | <b>0.0930</b> |                | <b>0.0875</b> | <b>0.0875</b> | <b>0.0000</b> | <b>266.4837</b> | <b>266.4837</b> | <b>0.0638</b> | <b>0.0000</b> | <b>268.0798</b> |

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**3.3 Building Construction - 2022**

**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       | 0.0178        | 0.6120        | 0.1512        | 1.6700e-003        | 0.0420        | 1.1300e-003        | 0.0432        | 0.0121         | 1.0800e-003        | 0.0132        | 0.0000        | 161.4119        | 161.4119        | 9.9100e-003   | 0.0000        | 161.6597        |
| Worker       | 0.0666        | 0.0474        | 0.5477        | 1.7300e-003        | 0.1867        | 1.3600e-003        | 0.1881        | 0.0496         | 1.2500e-003        | 0.0508        | 0.0000        | 156.8218        | 156.8218        | 3.9400e-003   | 0.0000        | 156.9203        |
| <b>Total</b> | <b>0.0844</b> | <b>0.6593</b> | <b>0.6989</b> | <b>3.4000e-003</b> | <b>0.2288</b> | <b>2.4900e-003</b> | <b>0.2313</b> | <b>0.0617</b>  | <b>2.3300e-003</b> | <b>0.0641</b> | <b>0.0000</b> | <b>318.2337</b> | <b>318.2337</b> | <b>0.0139</b> | <b>0.0000</b> | <b>318.5800</b> |

**3.4 Demolition - 2021**

**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     | 0.0317        | 0.3144        | 0.2157        | 3.9000e-004        |               | 0.0155        | 0.0155        |                | 0.0144        | 0.0144        | 0.0000        | 34.0008        | 34.0008        | 9.5700e-003        | 0.0000        | 34.2400        |
| <b>Total</b> | <b>0.0317</b> | <b>0.3144</b> | <b>0.2157</b> | <b>3.9000e-004</b> |               | <b>0.0155</b> | <b>0.0155</b> |                | <b>0.0144</b> | <b>0.0144</b> | <b>0.0000</b> | <b>34.0008</b> | <b>34.0008</b> | <b>9.5700e-003</b> | <b>0.0000</b> | <b>34.2400</b> |

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**3.4 Demolition - 2021**

**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       | 6.3000e-004        | 4.6000e-004        | 5.2300e-003        | 2.0000e-005        | 1.6500e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.4335        | 1.4335        | 4.0000e-005        | 0.0000        | 1.4345        |
| <b>Total</b> | <b>6.3000e-004</b> | <b>4.6000e-004</b> | <b>5.2300e-003</b> | <b>2.0000e-005</b> | <b>1.6500e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.4335</b> | <b>1.4335</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.4345</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |               |                |
| Off-Road     | 0.0317        | 0.3144        | 0.2157        | 3.9000e-004        |               | 0.0155        | 0.0155        |                | 0.0144        | 0.0144        | 0.0000        | 34.0007        | 34.0007        | 9.5700e-003        | 0.0000        | 34.2400        |
| <b>Total</b> | <b>0.0317</b> | <b>0.3144</b> | <b>0.2157</b> | <b>3.9000e-004</b> |               | <b>0.0155</b> | <b>0.0155</b> |                | <b>0.0144</b> | <b>0.0144</b> | <b>0.0000</b> | <b>34.0007</b> | <b>34.0007</b> | <b>9.5700e-003</b> | <b>0.0000</b> | <b>34.2400</b> |

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**3.4 Demolition - 2021**

**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       | 6.3000e-004        | 4.6000e-004        | 5.2300e-003        | 2.0000e-005        | 1.6500e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.4335        | 1.4335        | 4.0000e-005        | 0.0000        | 1.4345        |
| <b>Total</b> | <b>6.3000e-004</b> | <b>4.6000e-004</b> | <b>5.2300e-003</b> | <b>2.0000e-005</b> | <b>1.6500e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.4335</b> | <b>1.4335</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.4345</b> |

**3.5 Grading - 2021**

**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 |               |               |               |                    | 0.0505        | 0.0000             | 0.0505        | 0.0254         | 0.0000             | 0.0254        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0172        | 0.1855        | 0.1189        | 2.2000e-004        |               | 8.7000e-003        | 8.7000e-003   |                | 8.0000e-003        | 8.0000e-003   | 0.0000        | 19.5403        | 19.5403        | 6.3200e-003        | 0.0000        | 19.6983        |
| <b>Total</b>  | <b>0.0172</b> | <b>0.1855</b> | <b>0.1189</b> | <b>2.2000e-004</b> | <b>0.0505</b> | <b>8.7000e-003</b> | <b>0.0592</b> | <b>0.0254</b>  | <b>8.0000e-003</b> | <b>0.0334</b> | <b>0.0000</b> | <b>19.5403</b> | <b>19.5403</b> | <b>6.3200e-003</b> | <b>0.0000</b> | <b>19.6983</b> |



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**3.5 Grading - 2021**

**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       | 4.7000e-004        | 3.5000e-004        | 3.9200e-003        | 1.0000e-005        | 1.2300e-003        | 1.0000e-005        | 1.2400e-003        | 3.3000e-004        | 1.0000e-005        | 3.4000e-004        | 0.0000        | 1.0751        | 1.0751        | 3.0000e-005        | 0.0000        | 1.0758        |
| <b>Total</b> | <b>4.7000e-004</b> | <b>3.5000e-004</b> | <b>3.9200e-003</b> | <b>1.0000e-005</b> | <b>1.2300e-003</b> | <b>1.0000e-005</b> | <b>1.2400e-003</b> | <b>3.3000e-004</b> | <b>1.0000e-005</b> | <b>3.4000e-004</b> | <b>0.0000</b> | <b>1.0751</b> | <b>1.0751</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>1.0758</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.0505        | 0.0000             | 0.0505        | 0.0254         | 0.0000             | 0.0254        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0172        | 0.1855        | 0.1189        | 2.2000e-004        |               | 8.7000e-003        | 8.7000e-003   |                | 8.0000e-003        | 8.0000e-003   | 0.0000        | 19.5403        | 19.5403        | 6.3200e-003        | 0.0000        | 19.6982        |
| <b>Total</b>  | <b>0.0172</b> | <b>0.1855</b> | <b>0.1189</b> | <b>2.2000e-004</b> | <b>0.0505</b> | <b>8.7000e-003</b> | <b>0.0592</b> | <b>0.0254</b>  | <b>8.0000e-003</b> | <b>0.0334</b> | <b>0.0000</b> | <b>19.5403</b> | <b>19.5403</b> | <b>6.3200e-003</b> | <b>0.0000</b> | <b>19.6982</b> |

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**3.5 Grading - 2021**

**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       | 4.7000e-004        | 3.5000e-004        | 3.9200e-003        | 1.0000e-005        | 1.2300e-003        | 1.0000e-005        | 1.2400e-003        | 3.3000e-004        | 1.0000e-005        | 3.4000e-004        | 0.0000        | 1.0751        | 1.0751        | 3.0000e-005        | 0.0000        | 1.0758        |
| <b>Total</b> | <b>4.7000e-004</b> | <b>3.5000e-004</b> | <b>3.9200e-003</b> | <b>1.0000e-005</b> | <b>1.2300e-003</b> | <b>1.0000e-005</b> | <b>1.2400e-003</b> | <b>3.3000e-004</b> | <b>1.0000e-005</b> | <b>3.4000e-004</b> | <b>0.0000</b> | <b>1.0751</b> | <b>1.0751</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>1.0758</b> |

**3.5 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 |                    |               |               |                    | 0.0204        | 0.0000             | 0.0204        | 8.8500e-003        | 0.0000             | 8.8500e-003   | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 4.8700e-003        | 0.0521        | 0.0382        | 7.0000e-005        |               | 2.3500e-003        | 2.3500e-003   |                    | 2.1600e-003        | 2.1600e-003   | 0.0000        | 6.5137        | 6.5137        | 2.1100e-003        | 0.0000        | 6.5664        |
| <b>Total</b>  | <b>4.8700e-003</b> | <b>0.0521</b> | <b>0.0382</b> | <b>7.0000e-005</b> | <b>0.0204</b> | <b>2.3500e-003</b> | <b>0.0227</b> | <b>8.8500e-003</b> | <b>2.1600e-003</b> | <b>0.0110</b> | <b>0.0000</b> | <b>6.5137</b> | <b>6.5137</b> | <b>2.1100e-003</b> | <b>0.0000</b> | <b>6.5664</b> |

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**3.5 Grading - 2022**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |               |                    |               |                    |                    |               |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 1.5000e-004        | 1.0000e-004        | 1.2100e-003        | 0.0000        | 4.1000e-004        | 0.0000        | 4.1000e-004        | 1.1000e-004        | 0.0000        | 1.1000e-004        | 0.0000        | 0.3455        | 0.3455        | 1.0000e-005        | 0.0000        | 0.3457        |
| <b>Total</b> | <b>1.5000e-004</b> | <b>1.0000e-004</b> | <b>1.2100e-003</b> | <b>0.0000</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>4.1000e-004</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>0.3455</b> | <b>0.3455</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.3457</b> |

**Mitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category      | tons/yr            |               |               |                    |               |                    |               |                    |                    |               | MT/yr         |               |               |                    |               |               |
| Fugitive Dust |                    |               |               |                    | 0.0204        | 0.0000             | 0.0204        | 8.8500e-003        | 0.0000             | 8.8500e-003   | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 4.8700e-003        | 0.0521        | 0.0382        | 7.0000e-005        |               | 2.3500e-003        | 2.3500e-003   |                    | 2.1600e-003        | 2.1600e-003   | 0.0000        | 6.5137        | 6.5137        | 2.1100e-003        | 0.0000        | 6.5664        |
| <b>Total</b>  | <b>4.8700e-003</b> | <b>0.0521</b> | <b>0.0382</b> | <b>7.0000e-005</b> | <b>0.0204</b> | <b>2.3500e-003</b> | <b>0.0227</b> | <b>8.8500e-003</b> | <b>2.1600e-003</b> | <b>0.0110</b> | <b>0.0000</b> | <b>6.5137</b> | <b>6.5137</b> | <b>2.1100e-003</b> | <b>0.0000</b> | <b>6.5664</b> |

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**3.5 Grading - 2022**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |               |                    |               |                    |                    |               |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 1.5000e-004        | 1.0000e-004        | 1.2100e-003        | 0.0000        | 4.1000e-004        | 0.0000        | 4.1000e-004        | 1.1000e-004        | 0.0000        | 1.1000e-004        | 0.0000        | 0.3455        | 0.3455        | 1.0000e-005        | 0.0000        | 0.3457        |
| <b>Total</b> | <b>1.5000e-004</b> | <b>1.0000e-004</b> | <b>1.2100e-003</b> | <b>0.0000</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>4.1000e-004</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>0.3455</b> | <b>0.3455</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.3457</b> |

**3.6 Paving - 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     | 0.0110        | 0.1113        | 0.1458        | 2.3000e-004        |               | 5.6800e-003        | 5.6800e-003        |                | 5.2200e-003        | 5.2200e-003        | 0.0000        | 20.0276        | 20.0276        | 6.4800e-003        | 0.0000        | 20.1895        |
| Paving       | 4.7000e-004   |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0115</b> | <b>0.1113</b> | <b>0.1458</b> | <b>2.3000e-004</b> |               | <b>5.6800e-003</b> | <b>5.6800e-003</b> |                | <b>5.2200e-003</b> | <b>5.2200e-003</b> | <b>0.0000</b> | <b>20.0276</b> | <b>20.0276</b> | <b>6.4800e-003</b> | <b>0.0000</b> | <b>20.1895</b> |

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**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 5.9000e-004        | 4.2000e-004        | 4.8300e-003        | 2.0000e-005        | 1.6500e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.3821        | 1.3821        | 3.0000e-005        | 0.0000        | 1.3830        |
| <b>Total</b> | <b>5.9000e-004</b> | <b>4.2000e-004</b> | <b>4.8300e-003</b> | <b>2.0000e-005</b> | <b>1.6500e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.3821</b> | <b>1.3821</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>1.3830</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 0.0110        | 0.1113        | 0.1458        | 2.3000e-004        |               | 5.6800e-003        | 5.6800e-003        |                | 5.2200e-003        | 5.2200e-003        | 0.0000        | 20.0275        | 20.0275        | 6.4800e-003        | 0.0000        | 20.1895        |
| Paving       | 4.7000e-004   |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0115</b> | <b>0.1113</b> | <b>0.1458</b> | <b>2.3000e-004</b> |               | <b>5.6800e-003</b> | <b>5.6800e-003</b> |                | <b>5.2200e-003</b> | <b>5.2200e-003</b> | <b>0.0000</b> | <b>20.0275</b> | <b>20.0275</b> | <b>6.4800e-003</b> | <b>0.0000</b> | <b>20.1895</b> |

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**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 5.9000e-004        | 4.2000e-004        | 4.8300e-003        | 2.0000e-005        | 1.6500e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.3821        | 1.3821        | 3.0000e-005        | 0.0000        | 1.3830        |
| <b>Total</b> | <b>5.9000e-004</b> | <b>4.2000e-004</b> | <b>4.8300e-003</b> | <b>2.0000e-005</b> | <b>1.6500e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.3821</b> | <b>1.3821</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>1.3830</b> |

**3.7 Site Preparation - 2021**

**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 |               |               |               |                    | 0.0903        | 0.0000        | 0.0903        | 0.0497         | 0.0000             | 0.0497        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0194        | 0.2025        | 0.1058        | 1.9000e-004        |               | 0.0102        | 0.0102        |                | 9.4000e-003        | 9.4000e-003   | 0.0000        | 16.7179        | 16.7179        | 5.4100e-003        | 0.0000        | 16.8530        |
| <b>Total</b>  | <b>0.0194</b> | <b>0.2025</b> | <b>0.1058</b> | <b>1.9000e-004</b> | <b>0.0903</b> | <b>0.0102</b> | <b>0.1006</b> | <b>0.0497</b>  | <b>9.4000e-003</b> | <b>0.0591</b> | <b>0.0000</b> | <b>16.7179</b> | <b>16.7179</b> | <b>5.4100e-003</b> | <b>0.0000</b> | <b>16.8530</b> |

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**3.7 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 3.8000e-004        | 2.8000e-004        | 3.1400e-003        | 1.0000e-005        | 9.9000e-004        | 1.0000e-005        | 9.9000e-004        | 2.6000e-004        | 1.0000e-005        | 2.7000e-004        | 0.0000        | 0.8601        | 0.8601        | 2.0000e-005        | 0.0000        | 0.8607        |
| <b>Total</b> | <b>3.8000e-004</b> | <b>2.8000e-004</b> | <b>3.1400e-003</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>2.6000e-004</b> | <b>1.0000e-005</b> | <b>2.7000e-004</b> | <b>0.0000</b> | <b>0.8601</b> | <b>0.8601</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.8607</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.0903        | 0.0000        | 0.0903        | 0.0497         | 0.0000             | 0.0497        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0194        | 0.2025        | 0.1058        | 1.9000e-004        |               | 0.0102        | 0.0102        |                | 9.4000e-003        | 9.4000e-003   | 0.0000        | 16.7178        | 16.7178        | 5.4100e-003        | 0.0000        | 16.8530        |
| <b>Total</b>  | <b>0.0194</b> | <b>0.2025</b> | <b>0.1058</b> | <b>1.9000e-004</b> | <b>0.0903</b> | <b>0.0102</b> | <b>0.1006</b> | <b>0.0497</b>  | <b>9.4000e-003</b> | <b>0.0591</b> | <b>0.0000</b> | <b>16.7178</b> | <b>16.7178</b> | <b>5.4100e-003</b> | <b>0.0000</b> | <b>16.8530</b> |

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**3.7 Site Preparation - 2021**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 3.8000e-004        | 2.8000e-004        | 3.1400e-003        | 1.0000e-005        | 9.9000e-004        | 1.0000e-005        | 9.9000e-004        | 2.6000e-004        | 1.0000e-005        | 2.7000e-004        | 0.0000        | 0.8601        | 0.8601        | 2.0000e-005        | 0.0000        | 0.8607        |
| <b>Total</b> | <b>3.8000e-004</b> | <b>2.8000e-004</b> | <b>3.1400e-003</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>2.6000e-004</b> | <b>1.0000e-005</b> | <b>2.7000e-004</b> | <b>0.0000</b> | <b>0.8601</b> | <b>0.8601</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.8607</b> |

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**



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|             | ROG     | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O    | CO2e     |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|----------|
| Category    | tons/yr |        |        |             |               |              |            |                |               |             | MT/yr    |           |           |             |        |          |
| Mitigated   | 0.0231  | 0.4001 | 0.2651 | 1.6200e-003 | 0.0976        | 1.5900e-003  | 0.0992     | 0.0265         | 1.5100e-003   | 0.0280      | 0.0000   | 153.2102  | 153.2102  | 7.5900e-003 | 0.0000 | 153.4000 |
| Unmitigated | 0.0231  | 0.4001 | 0.2651 | 1.6200e-003 | 0.0976        | 1.5900e-003  | 0.0992     | 0.0265         | 1.5100e-003   | 0.0280      | 0.0000   | 153.2102  | 153.2102  | 7.5900e-003 | 0.0000 | 153.4000 |

4.2 Trip Summary Information

| Land Use                   | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------|-------------------------|----------|--------|-------------|------------|
|                            | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Office Park                | 73.90                   | 73.90    | 73.90  | 249,679     | 249,679    |
| Other Asphalt Surfaces     | 0.00                    | 0.00     | 0.00   |             |            |
| Other Non-Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Total                      | 73.90                   | 73.90    | 73.90  | 249,679     | 249,679    |

4.3 Trip Type Information

| Land Use                   | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                            | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Office Park                | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 82             | 15       | 3       |
| Other Asphalt Surfaces     | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Other Non-Asphalt Surfaces | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

4.4 Fleet Mix

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| Land Use                   | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Office Park                | 0.689100 | 0.000000 | 0.000000 | 0.000000 | 0.135200 | 0.000000 | 0.040500 | 0.135200 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Other Asphalt Surfaces     | 0.548858 | 0.043235 | 0.200706 | 0.120309 | 0.016131 | 0.005851 | 0.021034 | 0.033479 | 0.002070 | 0.001877 | 0.004817 | 0.000707 | 0.000925 |
| Other Non-Asphalt Surfaces | 0.548858 | 0.043235 | 0.200706 | 0.120309 | 0.016131 | 0.005851 | 0.021034 | 0.033479 | 0.002070 | 0.001877 | 0.004817 | 0.000707 | 0.000925 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

|                         | ROG         | NOx         | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e    |
|-------------------------|-------------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Category                | tons/yr     |             |             |        |               |              |             |                |               |             | MT/yr    |           |           |             |             |         |
| Electricity Mitigated   |             |             |             |        |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 16.1161   | 16.1161   | 6.7000e-004 | 1.4000e-004 | 16.1737 |
| Electricity Unmitigated |             |             |             |        |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 16.1161   | 16.1161   | 6.7000e-004 | 1.4000e-004 | 16.1737 |
| NaturalGas Mitigated    | 8.0000e-005 | 7.3000e-004 | 6.1000e-004 | 0.0000 |               | 6.0000e-005  | 6.0000e-005 |                | 6.0000e-005   | 6.0000e-005 | 0.0000   | 0.7953    | 0.7953    | 2.0000e-005 | 1.0000e-005 | 0.8000  |
| NaturalGas Unmitigated  | 8.0000e-005 | 7.3000e-004 | 6.1000e-004 | 0.0000 |               | 6.0000e-005  | 6.0000e-005 |                | 6.0000e-005   | 6.0000e-005 | 0.0000   | 0.7953    | 0.7953    | 2.0000e-005 | 1.0000e-005 | 0.8000  |

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

|                            | NaturalGas Use | ROG                | NOx                | CO                 | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O                | CO2e          |
|----------------------------|----------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Land Use                   | kBTU/yr        | tons/yr            |                    |                    |               |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |                    |               |
| Office Park                | 14903.7        | 8.0000e-005        | 7.3000e-004        | 6.1000e-004        | 0.0000        |               | 6.0000e-005        | 6.0000e-005        |                | 6.0000e-005        | 6.0000e-005        | 0.0000        | 0.7953        | 0.7953        | 2.0000e-005        | 1.0000e-005        | 0.8000        |
| Other Asphalt Surfaces     | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000        |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| Other Non-Asphalt Surfaces | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000        |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| <b>Total</b>               |                | <b>8.0000e-005</b> | <b>7.3000e-004</b> | <b>6.1000e-004</b> | <b>0.0000</b> |               | <b>6.0000e-005</b> | <b>6.0000e-005</b> |                | <b>6.0000e-005</b> | <b>6.0000e-005</b> | <b>0.0000</b> | <b>0.7953</b> | <b>0.7953</b> | <b>2.0000e-005</b> | <b>1.0000e-005</b> | <b>0.8000</b> |

**Mitigated**

|                            | NaturalGas Use | ROG                | NOx                | CO                 | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O                | CO2e          |
|----------------------------|----------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Land Use                   | kBTU/yr        | tons/yr            |                    |                    |               |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |                    |               |
| Office Park                | 14903.7        | 8.0000e-005        | 7.3000e-004        | 6.1000e-004        | 0.0000        |               | 6.0000e-005        | 6.0000e-005        |                | 6.0000e-005        | 6.0000e-005        | 0.0000        | 0.7953        | 0.7953        | 2.0000e-005        | 1.0000e-005        | 0.8000        |
| Other Asphalt Surfaces     | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000        |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| Other Non-Asphalt Surfaces | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000        |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| <b>Total</b>               |                | <b>8.0000e-005</b> | <b>7.3000e-004</b> | <b>6.1000e-004</b> | <b>0.0000</b> |               | <b>6.0000e-005</b> | <b>6.0000e-005</b> |                | <b>6.0000e-005</b> | <b>6.0000e-005</b> | <b>0.0000</b> | <b>0.7953</b> | <b>0.7953</b> | <b>2.0000e-005</b> | <b>1.0000e-005</b> | <b>0.8000</b> |

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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

|                            | Electricity Use | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use                   | kWh/yr          | MT/yr          |                    |                    |                |
| Office Park                | 50580.6         | 16.1161        | 6.7000e-004        | 1.4000e-004        | 16.1737        |
| Other Asphalt Surfaces     | 0               | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Other Non-Asphalt Surfaces | 0               | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| <b>Total</b>               |                 | <b>16.1161</b> | <b>6.7000e-004</b> | <b>1.4000e-004</b> | <b>16.1737</b> |

**Mitigated**

|                            | Electricity Use | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use                   | kWh/yr          | MT/yr          |                    |                    |                |
| Office Park                | 50580.6         | 16.1161        | 6.7000e-004        | 1.4000e-004        | 16.1737        |
| Other Asphalt Surfaces     | 0               | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Other Non-Asphalt Surfaces | 0               | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| <b>Total</b>               |                 | <b>16.1161</b> | <b>6.7000e-004</b> | <b>1.4000e-004</b> | <b>16.1737</b> |

**6.0 Area Detail**

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**6.1 Mitigation Measures Area**

|             | ROG     | NOx         | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4         | N2O    | CO2e        |
|-------------|---------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|--------|-------------|
| Category    | tons/yr |             |             |        |               |              |             |                |               |             | MT/yr    |             |             |             |        |             |
| Mitigated   | 0.0485  | 4.0000e-005 | 4.5200e-003 | 0.0000 |               | 2.0000e-005  | 2.0000e-005 |                | 2.0000e-005   | 2.0000e-005 | 0.0000   | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | 0.0000 | 9.3400e-003 |
| Unmitigated | 0.0485  | 4.0000e-005 | 4.5200e-003 | 0.0000 |               | 2.0000e-005  | 2.0000e-005 |                | 2.0000e-005   | 2.0000e-005 | 0.0000   | 8.7500e-003 | 8.7500e-003 | 2.0000e-005 | 0.0000 | 9.3400e-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 | 7.2000e-003   |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Consumer Products     | 0.0409        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Landscaping           | 4.2000e-004   | 4.0000e-005        | 4.5200e-003        | 0.0000        |               | 2.0000e-005        | 2.0000e-005        |                | 2.0000e-005        | 2.0000e-005        | 0.0000        | 8.7500e-003        | 8.7500e-003        | 2.0000e-005        | 0.0000        | 9.3400e-003        |
| <b>Total</b>          | <b>0.0485</b> | <b>4.0000e-005</b> | <b>4.5200e-003</b> | <b>0.0000</b> |               | <b>2.0000e-005</b> | <b>2.0000e-005</b> |                | <b>2.0000e-005</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>8.7500e-003</b> | <b>8.7500e-003</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>9.3400e-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 | 7.2000e-003   |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Consumer Products     | 0.0409        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Landscaping           | 4.2000e-004   | 4.0000e-005        | 4.5200e-003        | 0.0000        |               | 2.0000e-005        | 2.0000e-005        |                | 2.0000e-005        | 2.0000e-005        | 0.0000        | 8.7500e-003        | 8.7500e-003        | 2.0000e-005        | 0.0000        | 9.3400e-003        |
| <b>Total</b>          | <b>0.0485</b> | <b>4.0000e-005</b> | <b>4.5200e-003</b> | <b>0.0000</b> |               | <b>2.0000e-005</b> | <b>2.0000e-005</b> |                | <b>2.0000e-005</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>8.7500e-003</b> | <b>8.7500e-003</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>9.3400e-003</b> |

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Off Family Equipment Storage Yard - South Coast AQMD Air District, Annual

|             | Total CO2 | CH4    | N2O         | CO2e   |
|-------------|-----------|--------|-------------|--------|
| Category    | MT/yr     |        |             |        |
| Mitigated   | 6.0148    | 0.0298 | 7.5000e-004 | 6.9816 |
| Unmitigated | 6.0148    | 0.0298 | 7.5000e-004 | 6.9816 |

**7.2 Water by Land Use**

**Unmitigated**

|                            | Indoor/Outdoor Use  | Total CO2     | CH4           | N2O                | CO2e          |
|----------------------------|---------------------|---------------|---------------|--------------------|---------------|
| Land Use                   | Mgal                | MT/yr         |               |                    |               |
| Office Park                | 0.906442 / 0.555561 | 6.0148        | 0.0298        | 7.5000e-004        | 6.9816        |
| Other Asphalt Surfaces     | 0 / 0               | 0.0000        | 0.0000        | 0.0000             | 0.0000        |
| Other Non-Asphalt Surfaces | 0 / 0               | 0.0000        | 0.0000        | 0.0000             | 0.0000        |
| <b>Total</b>               |                     | <b>6.0148</b> | <b>0.0298</b> | <b>7.5000e-004</b> | <b>6.9816</b> |

## Off Family Equipment Storage Yard - South Coast AQMD Air District, Annual

**7.2 Water by Land Use****Mitigated**

|                            | Indoor/Outdoor Use     | Total CO2     | CH4           | N2O                     | CO2e          |
|----------------------------|------------------------|---------------|---------------|-------------------------|---------------|
| Land Use                   | Mgal                   | MT/yr         |               |                         |               |
| Office Park                | 0.906442 /<br>0.555561 | 6.0148        | 0.0298        | 7.5000e-<br>004         | 6.9816        |
| Other Asphalt Surfaces     | 0 / 0                  | 0.0000        | 0.0000        | 0.0000                  | 0.0000        |
| Other Non-Asphalt Surfaces | 0 / 0                  | 0.0000        | 0.0000        | 0.0000                  | 0.0000        |
| <b>Total</b>               |                        | <b>6.0148</b> | <b>0.0298</b> | <b>7.5000e-<br/>004</b> | <b>6.9816</b> |

**8.0 Waste Detail****8.1 Mitigation Measures Waste**



Off Family Equipment Storage Yard - South Coast AQMD Air District, Annual

**Category/Year**

|             | Total CO2 | CH4    | N2O    | CO2e   |
|-------------|-----------|--------|--------|--------|
|             | MT/yr     |        |        |        |
| Mitigated   | 0.9622    | 0.0569 | 0.0000 | 2.3838 |
| Unmitigated | 0.9622    | 0.0569 | 0.0000 | 2.3838 |

**8.2 Waste by Land Use**

**Unmitigated**

|                            | Waste Disposed | Total CO2     | CH4           | N2O           | CO2e          |
|----------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use                   | tons           | MT/yr         |               |               |               |
| Office Park                | 4.74           | 0.9622        | 0.0569        | 0.0000        | 2.3838        |
| Other Asphalt Surfaces     | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Other Non-Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>               |                | <b>0.9622</b> | <b>0.0569</b> | <b>0.0000</b> | <b>2.3838</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Annual

**8.2 Waste by Land Use**

**Mitigated**

|                            | Waste Disposed | Total CO2     | CH4           | N2O           | CO2e          |
|----------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use                   | tons           | MT/yr         |               |               |               |
| Office Park                | 4.74           | 0.9622        | 0.0569        | 0.0000        | 2.3838        |
| Other Asphalt Surfaces     | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Other Non-Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>               |                | <b>0.9622</b> | <b>0.0569</b> | <b>0.0000</b> | <b>2.3838</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 |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

**User Defined Equipment**

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

Off Family Equipment Storage Yard - South Coast AQMD Air District, Annual

**11.0 Vegetation**

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Offt Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**Offt Family Equipment Storage Yard**  
**South Coast AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                  | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------|--------|----------|-------------|--------------------|------------|
| Office Park                | 5.10   | 1000sqft | 0.12        | 5,104.00           | 0          |
| Other Asphalt Surfaces     | 15.51  | 1000sqft | 0.36        | 15,507.00          | 0          |
| Other Non-Asphalt Surfaces | 332.15 | 1000sqft | 7.63        | 332,152.00         | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 31    |
| <b>Climate Zone</b>             | 10                         |                                 |       | <b>Operational Year</b>          | 2021  |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 702.44                     | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

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

Project Characteristics -

Land Use - Per Site Plan

Vehicle Trips - Per Trip Generation & Vehicle Miles Traveled Screening

Fleet Mix - Pre Trip Generation Vehicle Miles traveled Screening Analysis, Table 1: "Observed Site Trip Generation Rates Estimated Based on Traffic Count Data"

## Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

| Table Name      | Column Name       | Default Value | New Value  |
|-----------------|-------------------|---------------|------------|
| tblFleetMix     | HHD               | 0.03          | 0.14       |
| tblFleetMix     | LDA               | 0.55          | 0.69       |
| tblFleetMix     | LDT1              | 0.04          | 0.00       |
| tblFleetMix     | LDT2              | 0.20          | 0.00       |
| tblFleetMix     | LHD1              | 0.02          | 0.14       |
| tblFleetMix     | LHD2              | 5.8510e-003   | 0.00       |
| tblFleetMix     | MCY               | 4.8170e-003   | 0.00       |
| tblFleetMix     | MDV               | 0.12          | 0.00       |
| tblFleetMix     | MH                | 9.2500e-004   | 0.00       |
| tblFleetMix     | MHD               | 0.02          | 0.04       |
| tblFleetMix     | OBUS              | 2.0700e-003   | 0.00       |
| tblFleetMix     | SBUS              | 7.0700e-004   | 0.00       |
| tblFleetMix     | UBUS              | 1.8770e-003   | 0.00       |
| tblLandUse      | LandUseSquareFeet | 5,100.00      | 5,104.00   |
| tblLandUse      | LandUseSquareFeet | 15,510.00     | 15,507.00  |
| tblLandUse      | LandUseSquareFeet | 332,150.00    | 332,152.00 |
| tblVehicleTrips | ST_TR             | 1.64          | 14.49      |
| tblVehicleTrips | SU_TR             | 0.76          | 14.49      |
| tblVehicleTrips | WD_TR             | 11.42         | 14.49      |

## 2.0 Emissions Summary

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Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**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        |                   |                   |               |               |                   |
| 2021           | 3.9642        | 40.5464        | 22.1301        | 0.0405        | 18.2675        | 2.0459        | 20.3134        | 9.9840         | 1.8823        | 11.8663        | 0.0000        | 3,914.0554        | 3,914.0554        | 1.1974        | 0.0000        | 3,940.5395        |
| 2022           | 7.5233        | 21.2326        | 22.7596        | 0.0575        | 6.7200         | 0.9420        | 7.6621         | 3.4120         | 0.8667        | 4.2786         | 0.0000        | 5,700.9079        | 5,700.9079        | 0.9329        | 0.0000        | 5,719.5028        |
| 2023           | 7.5034        | 1.3701         | 2.7762         | 6.0600e-003   | 0.3353         | 0.0732        | 0.4085         | 0.0889         | 0.0730        | 0.1619         | 0.0000        | 589.8271          | 589.8271          | 0.0241        | 0.0000        | 590.4301          |
| <b>Maximum</b> | <b>7.5233</b> | <b>40.5464</b> | <b>22.7596</b> | <b>0.0575</b> | <b>18.2675</b> | <b>2.0459</b> | <b>20.3134</b> | <b>9.9840</b>  | <b>1.8823</b> | <b>11.8663</b> | <b>0.0000</b> | <b>5,700.9079</b> | <b>5,700.9079</b> | <b>1.1974</b> | <b>0.0000</b> | <b>5,719.5028</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        |                   |                   |               |               |                   |
| 2021           | 3.9642        | 40.5464        | 22.1301        | 0.0405        | 18.2675        | 2.0459        | 20.3134        | 9.9840         | 1.8823        | 11.8663        | 0.0000        | 3,914.0554        | 3,914.0554        | 1.1974        | 0.0000        | 3,940.5395        |
| 2022           | 7.5233        | 21.2326        | 22.7596        | 0.0575        | 6.7200         | 0.9420        | 7.6621         | 3.4120         | 0.8667        | 4.2786         | 0.0000        | 5,700.9079        | 5,700.9079        | 0.9329        | 0.0000        | 5,719.5028        |
| 2023           | 7.5034        | 1.3701         | 2.7762         | 6.0600e-003   | 0.3353         | 0.0732        | 0.4085         | 0.0889         | 0.0730        | 0.1619         | 0.0000        | 589.8271          | 589.8271          | 0.0241        | 0.0000        | 590.4301          |
| <b>Maximum</b> | <b>7.5233</b> | <b>40.5464</b> | <b>22.7596</b> | <b>0.0575</b> | <b>18.2675</b> | <b>2.0459</b> | <b>20.3134</b> | <b>9.9840</b>  | <b>1.8823</b> | <b>11.8663</b> | <b>0.0000</b> | <b>5,700.9079</b> | <b>5,700.9079</b> | <b>1.1974</b> | <b>0.0000</b> | <b>5,719.5028</b> |



Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O                | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|--------------------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |                    |                 |
| Area         | 0.2670        | 3.3000e-004   | 0.0362        | 0.0000             |               | 1.3000e-004        | 1.3000e-004   |                | 1.3000e-004        | 1.3000e-004   |          | 0.0772          | 0.0772          | 2.1000e-004   |                    | 0.0823          |
| Energy       | 4.4000e-004   | 4.0000e-003   | 3.3600e-003   | 2.0000e-005        |               | 3.0000e-004        | 3.0000e-004   |                | 3.0000e-004        | 3.0000e-004   |          | 4.8038          | 4.8038          | 9.0000e-005   | 9.0000e-005        | 4.8323          |
| Mobile       | 0.1312        | 2.1458        | 1.4995        | 9.1300e-003        | 0.5461        | 8.7200e-003        | 0.5548        | 0.1477         | 8.2500e-003        | 0.1560        |          | 950.8980        | 950.8980        | 0.0453        |                    | 952.0315        |
| <b>Total</b> | <b>0.3986</b> | <b>2.1501</b> | <b>1.5390</b> | <b>9.1500e-003</b> | <b>0.5461</b> | <b>9.1500e-003</b> | <b>0.5552</b> | <b>0.1477</b>  | <b>8.6800e-003</b> | <b>0.1564</b> |          | <b>955.7790</b> | <b>955.7790</b> | <b>0.0456</b> | <b>9.0000e-005</b> | <b>956.9462</b> |

**Mitigated Operational**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O                | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|--------------------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |                    |                 |
| Area         | 0.2670        | 3.3000e-004   | 0.0362        | 0.0000             |               | 1.3000e-004        | 1.3000e-004   |                | 1.3000e-004        | 1.3000e-004   |          | 0.0772          | 0.0772          | 2.1000e-004   |                    | 0.0823          |
| Energy       | 4.4000e-004   | 4.0000e-003   | 3.3600e-003   | 2.0000e-005        |               | 3.0000e-004        | 3.0000e-004   |                | 3.0000e-004        | 3.0000e-004   |          | 4.8038          | 4.8038          | 9.0000e-005   | 9.0000e-005        | 4.8323          |
| Mobile       | 0.1312        | 2.1458        | 1.4995        | 9.1300e-003        | 0.5461        | 8.7200e-003        | 0.5548        | 0.1477         | 8.2500e-003        | 0.1560        |          | 950.8980        | 950.8980        | 0.0453        |                    | 952.0315        |
| <b>Total</b> | <b>0.3986</b> | <b>2.1501</b> | <b>1.5390</b> | <b>9.1500e-003</b> | <b>0.5461</b> | <b>9.1500e-003</b> | <b>0.5552</b> | <b>0.1477</b>  | <b>8.6800e-003</b> | <b>0.1564</b> |          | <b>955.7790</b> | <b>955.7790</b> | <b>0.0456</b> | <b>9.0000e-005</b> | <b>956.9462</b> |



## Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

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

### 3.0 Construction Detail

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#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Architectural Coating | Architectural Coating | 12/24/2022 | 1/20/2023  | 5             | 20       |                   |
| 2            | Building Construction | Building Construction | 1/8/2022   | 11/25/2022 | 5             | 230      |                   |
| 3            | Demolition            | Demolition            | 11/1/2021  | 11/26/2021 | 5             | 20       |                   |
| 4            | Grading               | Grading               | 12/11/2021 | 1/7/2022   | 5             | 20       |                   |
| 5            | Paving                | Paving                | 11/26/2022 | 12/23/2022 | 5             | 20       |                   |
| 6            | Site Preparation      | Site Preparation      | 11/27/2021 | 12/10/2021 | 5             | 10       |                   |

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

**Acres of Grading (Grading Phase): 10**

**Acres of Paving: 7.99**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 7,656; Non-Residential Outdoor: 2,552; Striped Parking Area: 20,860 (Architectural Coating – sqft)**

#### OffRoad Equipment

## Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| 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        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |

**Trips and VMT**

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

| 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Architectural Coating | 1                       | 30.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 148.00             | 58.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Demolition            | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 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   |                 |                 |               |     |                 |
| Archit. Coating | 7.2000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045        | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        |          | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>7.4046</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.2 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1188        | 0.0742        | 1.0451        | 3.2100e-003        | 0.3353        | 2.4000e-003        | 0.3377        | 0.0889         | 2.2100e-003        | 0.0911        |          | 320.3172        | 320.3172        | 8.0700e-003        |     | 320.5190        |
| <b>Total</b> | <b>0.1188</b> | <b>0.0742</b> | <b>1.0451</b> | <b>3.2100e-003</b> | <b>0.3353</b> | <b>2.4000e-003</b> | <b>0.3377</b> | <b>0.0889</b>  | <b>2.2100e-003</b> | <b>0.0911</b> |          | <b>320.3172</b> | <b>320.3172</b> | <b>8.0700e-003</b> |     | <b>320.5190</b> |

**Mitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 7.2000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045        | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        | 0.0000        | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>7.4046</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.2 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1188        | 0.0742        | 1.0451        | 3.2100e-003        | 0.3353        | 2.4000e-003        | 0.3377        | 0.0889         | 2.2100e-003        | 0.0911        |          | 320.3172        | 320.3172        | 8.0700e-003        |     | 320.5190        |
| <b>Total</b> | <b>0.1188</b> | <b>0.0742</b> | <b>1.0451</b> | <b>3.2100e-003</b> | <b>0.3353</b> | <b>2.4000e-003</b> | <b>0.3377</b> | <b>0.0889</b>  | <b>2.2100e-003</b> | <b>0.0911</b> |          | <b>320.3172</b> | <b>320.3172</b> | <b>8.0700e-003</b> |     | <b>320.5190</b> |

**3.2 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 | 7.2000        |               |               |                    |               | 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>7.3917</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> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.2 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1117        | 0.0671        | 0.9651        | 3.0900e-003        | 0.3353        | 2.3400e-003        | 0.3377        | 0.0889         | 2.1500e-003        | 0.0911        |          | 308.3791        | 308.3791        | 7.2800e-003        |     | 308.5611        |
| <b>Total</b> | <b>0.1117</b> | <b>0.0671</b> | <b>0.9651</b> | <b>3.0900e-003</b> | <b>0.3353</b> | <b>2.3400e-003</b> | <b>0.3377</b> | <b>0.0889</b>  | <b>2.1500e-003</b> | <b>0.0911</b> |          | <b>308.3791</b> | <b>308.3791</b> | <b>7.2800e-003</b> |     | <b>308.5611</b> |

**Mitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 7.2000        |               |               |                    |               | 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>7.3917</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> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.2 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1117        | 0.0671        | 0.9651        | 3.0900e-003        | 0.3353        | 2.3400e-003        | 0.3377        | 0.0889         | 2.1500e-003        | 0.0911        |          | 308.3791        | 308.3791        | 7.2800e-003        |     | 308.5611        |
| <b>Total</b> | <b>0.1117</b> | <b>0.0671</b> | <b>0.9651</b> | <b>3.0900e-003</b> | <b>0.3353</b> | <b>2.3400e-003</b> | <b>0.3377</b> | <b>0.0889</b>  | <b>2.1500e-003</b> | <b>0.0911</b> |          | <b>308.3791</b> | <b>308.3791</b> | <b>7.2800e-003</b> |     | <b>308.5611</b> |

**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> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.3 Building Construction - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.1514        | 5.2509        | 1.2406        | 0.0147        | 0.3712        | 9.6500e-003   | 0.3809        | 0.1069         | 9.2300e-003   | 0.1161        |          | 1,566.3429        | 1,566.3429        | 0.0920        |     | 1,568.6434        |
| Worker       | 0.5860        | 0.3660        | 5.1556        | 0.0159        | 1.6543        | 0.0118        | 1.6661        | 0.4387         | 0.0109        | 0.4496        |          | 1,580.2314        | 1,580.2314        | 0.0398        |     | 1,581.2272        |
| <b>Total</b> | <b>0.7374</b> | <b>5.6169</b> | <b>6.3962</b> | <b>0.0305</b> | <b>2.0255</b> | <b>0.0215</b> | <b>2.0470</b> | <b>0.5456</b>  | <b>0.0201</b> | <b>0.5657</b> |          | <b>3,146.5743</b> | <b>3,146.5743</b> | <b>0.1319</b> |     | <b>3,149.8706</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 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> |



Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.3 Building Construction - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.1514        | 5.2509        | 1.2406        | 0.0147        | 0.3712        | 9.6500e-003   | 0.3809        | 0.1069         | 9.2300e-003   | 0.1161        |          | 1,566.3429        | 1,566.3429        | 0.0920        |     | 1,568.6434        |
| Worker       | 0.5860        | 0.3660        | 5.1556        | 0.0159        | 1.6543        | 0.0118        | 1.6661        | 0.4387         | 0.0109        | 0.4496        |          | 1,580.2314        | 1,580.2314        | 0.0398        |     | 1,581.2272        |
| <b>Total</b> | <b>0.7374</b> | <b>5.6169</b> | <b>6.3962</b> | <b>0.0305</b> | <b>2.0255</b> | <b>0.0215</b> | <b>2.0470</b> | <b>0.5456</b>  | <b>0.0201</b> | <b>0.5657</b> |          | <b>3,146.5743</b> | <b>3,146.5743</b> | <b>0.1319</b> |     | <b>3,149.8706</b> |

**3.4 Demolition - 2021**

**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     | 3.1651        | 31.4407        | 21.5650        | 0.0388        |               | 1.5513        | 1.5513        |                | 1.4411        | 1.4411        |          | 3,747.9449        | 3,747.9449        | 1.0549        |     | 3,774.3174        |
| <b>Total</b> | <b>3.1651</b> | <b>31.4407</b> | <b>21.5650</b> | <b>0.0388</b> |               | <b>1.5513</b> | <b>1.5513</b> |                | <b>1.4411</b> | <b>1.4411</b> |          | <b>3,747.9449</b> | <b>3,747.9449</b> | <b>1.0549</b> |     | <b>3,774.3174</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.4 Demolition - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0633        | 0.0411        | 0.5651        | 1.6700e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 166.1105        | 166.1105        | 4.4700e-003        |     | 166.2222        |
| <b>Total</b> | <b>0.0633</b> | <b>0.0411</b> | <b>0.5651</b> | <b>1.6700e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>166.1105</b> | <b>166.1105</b> | <b>4.4700e-003</b> |     | <b>166.2222</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 3.1651        | 31.4407        | 21.5650        | 0.0388        |               | 1.5513        | 1.5513        |                | 1.4411        | 1.4411        | 0.0000        | 3,747.9449        | 3,747.9449        | 1.0549        |     | 3,774.3174        |
| <b>Total</b> | <b>3.1651</b> | <b>31.4407</b> | <b>21.5650</b> | <b>0.0388</b> |               | <b>1.5513</b> | <b>1.5513</b> |                | <b>1.4411</b> | <b>1.4411</b> | <b>0.0000</b> | <b>3,747.9449</b> | <b>3,747.9449</b> | <b>1.0549</b> |     | <b>3,774.3174</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.4 Demolition - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0633        | 0.0411        | 0.5651        | 1.6700e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 166.1105        | 166.1105        | 4.4700e-003        |     | 166.2222        |
| <b>Total</b> | <b>0.0633</b> | <b>0.0411</b> | <b>0.5651</b> | <b>1.6700e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>166.1105</b> | <b>166.1105</b> | <b>4.4700e-003</b> |     | <b>166.2222</b> |

**3.5 Grading - 2021**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.2903        | 24.7367        | 15.8575        | 0.0296        |               | 1.1599        | 1.1599        |                | 1.0671        | 1.0671        |          | 2,871.9285        | 2,871.9285        | 0.9288        |     | 2,895.1495        |
| <b>Total</b>  | <b>2.2903</b> | <b>24.7367</b> | <b>15.8575</b> | <b>0.0296</b> | <b>6.5523</b> | <b>1.1599</b> | <b>7.7123</b> | <b>3.3675</b>  | <b>1.0671</b> | <b>4.4346</b> |          | <b>2,871.9285</b> | <b>2,871.9285</b> | <b>0.9288</b> |     | <b>2,895.1495</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.5 Grading - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0633        | 0.0411        | 0.5651        | 1.6700e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 166.1105        | 166.1105        | 4.4700e-003        |     | 166.2222        |
| <b>Total</b> | <b>0.0633</b> | <b>0.0411</b> | <b>0.5651</b> | <b>1.6700e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>166.1105</b> | <b>166.1105</b> | <b>4.4700e-003</b> |     | <b>166.2222</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.2903        | 24.7367        | 15.8575        | 0.0296        |               | 1.1599        | 1.1599        |                | 1.0671        | 1.0671        | 0.0000        | 2,871.9285        | 2,871.9285        | 0.9288        |     | 2,895.1495        |
| <b>Total</b>  | <b>2.2903</b> | <b>24.7367</b> | <b>15.8575</b> | <b>0.0296</b> | <b>6.5523</b> | <b>1.1599</b> | <b>7.7123</b> | <b>3.3675</b>  | <b>1.0671</b> | <b>4.4346</b> | <b>0.0000</b> | <b>2,871.9285</b> | <b>2,871.9285</b> | <b>0.9288</b> |     | <b>2,895.1495</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.5 Grading - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0633        | 0.0411        | 0.5651        | 1.6700e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 166.1105        | 166.1105        | 4.4700e-003        |     | 166.2222        |
| <b>Total</b> | <b>0.0633</b> | <b>0.0411</b> | <b>0.5651</b> | <b>1.6700e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>166.1105</b> | <b>166.1105</b> | <b>4.4700e-003</b> |     | <b>166.2222</b> |

**3.5 Grading - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        |          | 2,872.0464        | 2,872.0464        | 0.9289        |     | 2,895.2684        |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>6.5523</b> | <b>0.9409</b> | <b>7.4932</b> | <b>3.3675</b>  | <b>0.8656</b> | <b>4.2331</b> |          | <b>2,872.0464</b> | <b>2,872.0464</b> | <b>0.9289</b> |     | <b>2,895.2684</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.5 Grading - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0594        | 0.0371        | 0.5225        | 1.6100e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 160.1586        | 160.1586        | 4.0400e-003        |     | 160.2595        |
| <b>Total</b> | <b>0.0594</b> | <b>0.0371</b> | <b>0.5225</b> | <b>1.6100e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>160.1586</b> | <b>160.1586</b> | <b>4.0400e-003</b> |     | <b>160.2595</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        | 0.0000        | 2,872.0464        | 2,872.0464        | 0.9289        |     | 2,895.2684        |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>6.5523</b> | <b>0.9409</b> | <b>7.4932</b> | <b>3.3675</b>  | <b>0.8656</b> | <b>4.2331</b> | <b>0.0000</b> | <b>2,872.0464</b> | <b>2,872.0464</b> | <b>0.9289</b> |     | <b>2,895.2684</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.5 Grading - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0594        | 0.0371        | 0.5225        | 1.6100e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 160.1586        | 160.1586        | 4.0400e-003        |     | 160.2595        |
| <b>Total</b> | <b>0.0594</b> | <b>0.0371</b> | <b>0.5225</b> | <b>1.6100e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>160.1586</b> | <b>160.1586</b> | <b>4.0400e-003</b> |     | <b>160.2595</b> |

**3.6 Paving - 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     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        |          | 2,207.6603        | 2,207.6603        | 0.7140        |     | 2,225.5104        |
| Paving       | 0.0472        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1500</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> |          | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |     | <b>2,225.5104</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0594        | 0.0371        | 0.5225        | 1.6100e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 160.1586        | 160.1586        | 4.0400e-003        |     | 160.2595        |
| <b>Total</b> | <b>0.0594</b> | <b>0.0371</b> | <b>0.5225</b> | <b>1.6100e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>160.1586</b> | <b>160.1586</b> | <b>4.0400e-003</b> |     | <b>160.2595</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        | 0.0000        | 2,207.6603        | 2,207.6603        | 0.7140        |     | 2,225.5104        |
| Paving       | 0.0472        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1500</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> | <b>0.0000</b> | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |     | <b>2,225.5104</b> |



Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0594        | 0.0371        | 0.5225        | 1.6100e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 160.1586        | 160.1586        | 4.0400e-003        |     | 160.2595        |
| <b>Total</b> | <b>0.0594</b> | <b>0.0371</b> | <b>0.5225</b> | <b>1.6100e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>160.1586</b> | <b>160.1586</b> | <b>4.0400e-003</b> |     | <b>160.2595</b> |

**3.7 Site Preparation - 2021**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         |          | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715.4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> |          | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.7 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0760        | 0.0493        | 0.6781        | 2.0000e-003        | 0.2012        | 1.4800e-003        | 0.2027        | 0.0534         | 1.3600e-003        | 0.0547        |          | 199.3326        | 199.3326        | 5.3600e-003        |     | 199.4666        |
| <b>Total</b> | <b>0.0760</b> | <b>0.0493</b> | <b>0.6781</b> | <b>2.0000e-003</b> | <b>0.2012</b> | <b>1.4800e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3600e-003</b> | <b>0.0547</b> |          | <b>199.3326</b> | <b>199.3326</b> | <b>5.3600e-003</b> |     | <b>199.4666</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         | 0.0000        | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715.4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> | <b>0.0000</b> | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**3.7 Site Preparation - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0760        | 0.0493        | 0.6781        | 2.0000e-003        | 0.2012        | 1.4800e-003        | 0.2027        | 0.0534         | 1.3600e-003        | 0.0547        |          | 199.3326        | 199.3326        | 5.3600e-003        |     | 199.4666        |
| <b>Total</b> | <b>0.0760</b> | <b>0.0493</b> | <b>0.6781</b> | <b>2.0000e-003</b> | <b>0.2012</b> | <b>1.4800e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3600e-003</b> | <b>0.0547</b> |          | <b>199.3326</b> | <b>199.3326</b> | <b>5.3600e-003</b> |     | <b>199.4666</b> |

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

|             | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e     |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|----------|
| Category    | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |           |           |        |     |          |
| Mitigated   | 0.1312 | 2.1458 | 1.4995 | 9.1300e-003 | 0.5461        | 8.7200e-003  | 0.5548     | 0.1477         | 8.2500e-003   | 0.1560      |          | 950.8980  | 950.8980  | 0.0453 |     | 952.0315 |
| Unmitigated | 0.1312 | 2.1458 | 1.4995 | 9.1300e-003 | 0.5461        | 8.7200e-003  | 0.5548     | 0.1477         | 8.2500e-003   | 0.1560      |          | 950.8980  | 950.8980  | 0.0453 |     | 952.0315 |

4.2 Trip Summary Information

| Land Use                   | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------|-------------------------|----------|--------|-------------|------------|
|                            | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Office Park                | 73.90                   | 73.90    | 73.90  | 249,679     | 249,679    |
| Other Asphalt Surfaces     | 0.00                    | 0.00     | 0.00   |             |            |
| Other Non-Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Total                      | 73.90                   | 73.90    | 73.90  | 249,679     | 249,679    |

4.3 Trip Type Information

| Land Use                   | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                            | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Office Park                | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 82             | 15       | 3       |
| Other Asphalt Surfaces     | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Other Non-Asphalt Surfaces | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

4.4 Fleet Mix

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

| Land Use                   | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Office Park                | 0.689100 | 0.000000 | 0.000000 | 0.000000 | 0.135200 | 0.000000 | 0.040500 | 0.135200 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Other Asphalt Surfaces     | 0.548858 | 0.043235 | 0.200706 | 0.120309 | 0.016131 | 0.005851 | 0.021034 | 0.033479 | 0.002070 | 0.001877 | 0.004817 | 0.000707 | 0.000925 |
| Other Non-Asphalt Surfaces | 0.548858 | 0.043235 | 0.200706 | 0.120309 | 0.016131 | 0.005851 | 0.021034 | 0.033479 | 0.002070 | 0.001877 | 0.004817 | 0.000707 | 0.000925 |

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

|                        | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e   |
|------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|--------|
| Category               | lb/day      |             |             |             |               |              |             |                |               |             | lb/day   |           |           |             |             |        |
| NaturalGas Mitigated   | 4.4000e-004 | 4.0000e-003 | 3.3600e-003 | 2.0000e-005 |               | 3.0000e-004  | 3.0000e-004 |                | 3.0000e-004   | 3.0000e-004 |          | 4.8038    | 4.8038    | 9.0000e-005 | 9.0000e-005 | 4.8323 |
| NaturalGas Unmitigated | 4.4000e-004 | 4.0000e-003 | 3.3600e-003 | 2.0000e-005 |               | 3.0000e-004  | 3.0000e-004 |                | 3.0000e-004   | 3.0000e-004 |          | 4.8038    | 4.8038    | 9.0000e-005 | 9.0000e-005 | 4.8323 |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**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   |               |               |                    |                    |               |
| Office Park                | 40.832         | 4.4000e-004        | 4.0000e-003        | 3.3600e-003        | 2.0000e-005        |               | 3.0000e-004        | 3.0000e-004        |                | 3.0000e-004        | 3.0000e-004        |          | 4.8038        | 4.8038        | 9.0000e-005        | 9.0000e-005        | 4.8323        |
| Other Asphalt Surfaces     | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| Other Non-Asphalt Surfaces | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| <b>Total</b>               |                | <b>4.4000e-004</b> | <b>4.0000e-003</b> | <b>3.3600e-003</b> | <b>2.0000e-005</b> |               | <b>3.0000e-004</b> | <b>3.0000e-004</b> |                | <b>3.0000e-004</b> | <b>3.0000e-004</b> |          | <b>4.8038</b> | <b>4.8038</b> | <b>9.0000e-005</b> | <b>9.0000e-005</b> | <b>4.8323</b> |

**Mitigated**

|                            | NaturalGas Use | ROG                | NOx                | CO                 | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O                | CO2e          |
|----------------------------|----------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|--------------------|---------------|
| Land Use                   | kBTU/yr        | lb/day             |                    |                    |                    |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |                    |               |
| Office Park                | 0.040832       | 4.4000e-004        | 4.0000e-003        | 3.3600e-003        | 2.0000e-005        |               | 3.0000e-004        | 3.0000e-004        |                | 3.0000e-004        | 3.0000e-004        |          | 4.8038        | 4.8038        | 9.0000e-005        | 9.0000e-005        | 4.8323        |
| Other Asphalt Surfaces     | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| Other Non-Asphalt Surfaces | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| <b>Total</b>               |                | <b>4.4000e-004</b> | <b>4.0000e-003</b> | <b>3.3600e-003</b> | <b>2.0000e-005</b> |               | <b>3.0000e-004</b> | <b>3.0000e-004</b> |                | <b>3.0000e-004</b> | <b>3.0000e-004</b> |          | <b>4.8038</b> | <b>4.8038</b> | <b>9.0000e-005</b> | <b>9.0000e-005</b> | <b>4.8323</b> |

**6.0 Area Detail**

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**6.1 Mitigation Measures Area**

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e |        |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|------|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |           |           |             |     |      |        |
| Mitigated   | 0.2670 | 3.3000e-004 | 0.0362 | 0.0000 |               | 1.3000e-004  | 1.3000e-004 |                | 1.3000e-004   | 1.3000e-004 |          | 0.0772    | 0.0772    | 2.1000e-004 |     |      | 0.0823 |
| Unmitigated | 0.2670 | 3.3000e-004 | 0.0362 | 0.0000 |               | 1.3000e-004  | 1.3000e-004 |                | 1.3000e-004   | 1.3000e-004 |          | 0.0772    | 0.0772    | 2.1000e-004 |     |      | 0.0823 |

**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 | 0.0395        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000 |               |
| Consumer Products     | 0.2242        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000 |               |
| Landscaping           | 3.3800e-003   | 3.3000e-004        | 0.0362        | 0.0000        |               | 1.3000e-004        | 1.3000e-004        |                | 1.3000e-004        | 1.3000e-004        |          | 0.0772        | 0.0772        | 2.1000e-004        |     |        | 0.0823        |
| <b>Total</b>          | <b>0.2670</b> | <b>3.3000e-004</b> | <b>0.0362</b> | <b>0.0000</b> |               | <b>1.3000e-004</b> | <b>1.3000e-004</b> |                | <b>1.3000e-004</b> | <b>1.3000e-004</b> |          | <b>0.0772</b> | <b>0.0772</b> | <b>2.1000e-004</b> |     |        | <b>0.0823</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

**6.2 Area by SubCategory**

Mitigated

|                       | ROG           | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day        |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 0.0395        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 0.2242        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 3.3800e-003   | 3.3000e-004        | 0.0362        | 0.0000        |               | 1.3000e-004        | 1.3000e-004        |                | 1.3000e-004        | 1.3000e-004        |          | 0.0772        | 0.0772        | 2.1000e-004        |     | 0.0823        |
| <b>Total</b>          | <b>0.2670</b> | <b>3.3000e-004</b> | <b>0.0362</b> | <b>0.0000</b> |               | <b>1.3000e-004</b> | <b>1.3000e-004</b> |                | <b>1.3000e-004</b> | <b>1.3000e-004</b> |          | <b>0.0772</b> | <b>0.0772</b> | <b>2.1000e-004</b> |     | <b>0.0823</b> |

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

Fire Pumps and Emergency Generators



## Off Family Equipment Storage Yard - South Coast AQMD Air District, Summer

| 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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Offt Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**Offt Family Equipment Storage Yard**  
**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                  | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------|--------|----------|-------------|--------------------|------------|
| Office Park                | 5.10   | 1000sqft | 0.12        | 5,104.00           | 0          |
| Other Asphalt Surfaces     | 15.51  | 1000sqft | 0.36        | 15,507.00          | 0          |
| Other Non-Asphalt Surfaces | 332.15 | 1000sqft | 7.63        | 332,152.00         | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 31    |
| <b>Climate Zone</b>             | 10                         |                                 |       | <b>Operational Year</b>          | 2021  |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 702.44                     | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

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

Project Characteristics -

Land Use - Per Site Plan

Vehicle Trips - Per Trip Generation & Vehicle Miles Traveled Screening

Fleet Mix - Pre Trip Generation Vehicle Miles traveled Screening Analysis, Table 1: "Observed Site Trip Generation Rates Estimated Based on Traffic Count Data"

## Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

| Table Name      | Column Name       | Default Value | New Value  |
|-----------------|-------------------|---------------|------------|
| tblFleetMix     | HHD               | 0.03          | 0.14       |
| tblFleetMix     | LDA               | 0.55          | 0.69       |
| tblFleetMix     | LDT1              | 0.04          | 0.00       |
| tblFleetMix     | LDT2              | 0.20          | 0.00       |
| tblFleetMix     | LHD1              | 0.02          | 0.14       |
| tblFleetMix     | LHD2              | 5.8510e-003   | 0.00       |
| tblFleetMix     | MCY               | 4.8170e-003   | 0.00       |
| tblFleetMix     | MDV               | 0.12          | 0.00       |
| tblFleetMix     | MH                | 9.2500e-004   | 0.00       |
| tblFleetMix     | MHD               | 0.02          | 0.04       |
| tblFleetMix     | OBUS              | 2.0700e-003   | 0.00       |
| tblFleetMix     | SBUS              | 7.0700e-004   | 0.00       |
| tblFleetMix     | UBUS              | 1.8770e-003   | 0.00       |
| tblLandUse      | LandUseSquareFeet | 5,100.00      | 5,104.00   |
| tblLandUse      | LandUseSquareFeet | 15,510.00     | 15,507.00  |
| tblLandUse      | LandUseSquareFeet | 332,150.00    | 332,152.00 |
| tblVehicleTrips | ST_TR             | 1.64          | 14.49      |
| tblVehicleTrips | SU_TR             | 0.76          | 14.49      |
| tblVehicleTrips | WD_TR             | 11.42         | 14.49      |

## 2.0 Emissions Summary

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Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**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        |                        |                        |               |               |                        |
| 2021           | 3.9712        | 40.5510        | 22.0728        | 0.0404        | 18.2675        | 2.0459        | 20.3134        | 9.9840         | 1.8823        | 11.8663        | 0.0000        | 3,903.295<br>1         | 3,903.295<br>1         | 1.1970        | 0.0000        | 3,929.771<br>6         |
| 2022           | 7.5347        | 21.2461        | 22.3771        | 0.0560        | 6.7200         | 0.9420        | 7.6621         | 3.4120         | 0.8667        | 4.2786         | 0.0000        | 5,552.894<br>1         | 5,552.894<br>1         | 0.9326        | 0.0000        | 5,571.589<br>2         |
| 2023           | 7.5144        | 1.3764         | 2.6751         | 5.8600e-003   | 0.3353         | 0.0732        | 0.4085         | 0.0889         | 0.0730        | 0.1619         | 0.0000        | 569.8370               | 569.8370               | 0.0236        | 0.0000        | 570.4273               |
| <b>Maximum</b> | <b>7.5347</b> | <b>40.5510</b> | <b>22.3771</b> | <b>0.0560</b> | <b>18.2675</b> | <b>2.0459</b> | <b>20.3134</b> | <b>9.9840</b>  | <b>1.8823</b> | <b>11.8663</b> | <b>0.0000</b> | <b>5,552.894<br/>1</b> | <b>5,552.894<br/>1</b> | <b>1.1970</b> | <b>0.0000</b> | <b>5,571.589<br/>2</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        |                        |                        |               |               |                        |
| 2021           | 3.9712        | 40.5510        | 22.0728        | 0.0404        | 18.2675        | 2.0459        | 20.3134        | 9.9840         | 1.8823        | 11.8663        | 0.0000        | 3,903.295<br>1         | 3,903.295<br>1         | 1.1970        | 0.0000        | 3,929.771<br>6         |
| 2022           | 7.5347        | 21.2461        | 22.3771        | 0.0560        | 6.7200         | 0.9420        | 7.6621         | 3.4120         | 0.8667        | 4.2786         | 0.0000        | 5,552.894<br>1         | 5,552.894<br>1         | 0.9326        | 0.0000        | 5,571.589<br>2         |
| 2023           | 7.5144        | 1.3764         | 2.6751         | 5.8600e-003   | 0.3353         | 0.0732        | 0.4085         | 0.0889         | 0.0730        | 0.1619         | 0.0000        | 569.8370               | 569.8370               | 0.0236        | 0.0000        | 570.4273               |
| <b>Maximum</b> | <b>7.5347</b> | <b>40.5510</b> | <b>22.3771</b> | <b>0.0560</b> | <b>18.2675</b> | <b>2.0459</b> | <b>20.3134</b> | <b>9.9840</b>  | <b>1.8823</b> | <b>11.8663</b> | <b>0.0000</b> | <b>5,552.894<br/>1</b> | <b>5,552.894<br/>1</b> | <b>1.1970</b> | <b>0.0000</b> | <b>5,571.589<br/>2</b> |



Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O                | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|--------------------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |                    |                 |
| Area         | 0.2670        | 3.3000e-004   | 0.0362        | 0.0000             |               | 1.3000e-004        | 1.3000e-004   |                | 1.3000e-004        | 1.3000e-004   |          | 0.0772          | 0.0772          | 2.1000e-004   |                    | 0.0823          |
| Energy       | 4.4000e-004   | 4.0000e-003   | 3.3600e-003   | 2.0000e-005        |               | 3.0000e-004        | 3.0000e-004   |                | 3.0000e-004        | 3.0000e-004   |          | 4.8038          | 4.8038          | 9.0000e-005   | 9.0000e-005        | 4.8323          |
| Mobile       | 0.1299        | 2.1608        | 1.4595        | 8.7800e-003        | 0.5461        | 8.8400e-003        | 0.5549        | 0.1477         | 8.3700e-003        | 0.1561        |          | 915.0929        | 915.0929        | 0.0472        |                    | 916.2740        |
| <b>Total</b> | <b>0.3974</b> | <b>2.1651</b> | <b>1.4990</b> | <b>8.8000e-003</b> | <b>0.5461</b> | <b>9.2700e-003</b> | <b>0.5554</b> | <b>0.1477</b>  | <b>8.8000e-003</b> | <b>0.1565</b> |          | <b>919.9738</b> | <b>919.9738</b> | <b>0.0475</b> | <b>9.0000e-005</b> | <b>921.1886</b> |

**Mitigated Operational**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O                | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|--------------------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |                    |                 |
| Area         | 0.2670        | 3.3000e-004   | 0.0362        | 0.0000             |               | 1.3000e-004        | 1.3000e-004   |                | 1.3000e-004        | 1.3000e-004   |          | 0.0772          | 0.0772          | 2.1000e-004   |                    | 0.0823          |
| Energy       | 4.4000e-004   | 4.0000e-003   | 3.3600e-003   | 2.0000e-005        |               | 3.0000e-004        | 3.0000e-004   |                | 3.0000e-004        | 3.0000e-004   |          | 4.8038          | 4.8038          | 9.0000e-005   | 9.0000e-005        | 4.8323          |
| Mobile       | 0.1299        | 2.1608        | 1.4595        | 8.7800e-003        | 0.5461        | 8.8400e-003        | 0.5549        | 0.1477         | 8.3700e-003        | 0.1561        |          | 915.0929        | 915.0929        | 0.0472        |                    | 916.2740        |
| <b>Total</b> | <b>0.3974</b> | <b>2.1651</b> | <b>1.4990</b> | <b>8.8000e-003</b> | <b>0.5461</b> | <b>9.2700e-003</b> | <b>0.5554</b> | <b>0.1477</b>  | <b>8.8000e-003</b> | <b>0.1565</b> |          | <b>919.9738</b> | <b>919.9738</b> | <b>0.0475</b> | <b>9.0000e-005</b> | <b>921.1886</b> |

## Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

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

### 3.0 Construction Detail

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#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Architectural Coating | Architectural Coating | 12/24/2022 | 1/20/2023  | 5             | 20       |                   |
| 2            | Building Construction | Building Construction | 1/8/2022   | 11/25/2022 | 5             | 230      |                   |
| 3            | Demolition            | Demolition            | 11/1/2021  | 11/26/2021 | 5             | 20       |                   |
| 4            | Grading               | Grading               | 12/11/2021 | 1/7/2022   | 5             | 20       |                   |
| 5            | Paving                | Paving                | 11/26/2022 | 12/23/2022 | 5             | 20       |                   |
| 6            | Site Preparation      | Site Preparation      | 11/27/2021 | 12/10/2021 | 5             | 10       |                   |

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

**Acres of Grading (Grading Phase): 10**

**Acres of Paving: 7.99**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 7,656; Non-Residential Outdoor: 2,552; Striped Parking Area: 20,860 (Architectural Coating – sqft)**

#### OffRoad Equipment

## Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| 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        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |

**Trips and VMT**



Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

| 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Architectural Coating | 1                       | 30.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 148.00             | 58.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Demolition            | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 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   |                 |                 |               |     |                 |
| Archit. Coating | 7.2000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045        | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        |          | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>7.4046</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.2 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1301        | 0.0812        | 0.9374        | 3.0100e-003        | 0.3353        | 2.4000e-003        | 0.3377        | 0.0889         | 2.2100e-003        | 0.0911        |          | 299.5610        | 299.5610        | 7.5200e-003        |     | 299.7489        |
| <b>Total</b> | <b>0.1301</b> | <b>0.0812</b> | <b>0.9374</b> | <b>3.0100e-003</b> | <b>0.3353</b> | <b>2.4000e-003</b> | <b>0.3377</b> | <b>0.0889</b>  | <b>2.2100e-003</b> | <b>0.0911</b> |          | <b>299.5610</b> | <b>299.5610</b> | <b>7.5200e-003</b> |     | <b>299.7489</b> |

**Mitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 7.2000        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045        | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        | 0.0000        | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>7.4046</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.2 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1301        | 0.0812        | 0.9374        | 3.0100e-003        | 0.3353        | 2.4000e-003        | 0.3377        | 0.0889         | 2.2100e-003        | 0.0911        |          | 299.5610        | 299.5610        | 7.5200e-003        |     | 299.7489        |
| <b>Total</b> | <b>0.1301</b> | <b>0.0812</b> | <b>0.9374</b> | <b>3.0100e-003</b> | <b>0.3353</b> | <b>2.4000e-003</b> | <b>0.3377</b> | <b>0.0889</b>  | <b>2.2100e-003</b> | <b>0.0911</b> |          | <b>299.5610</b> | <b>299.5610</b> | <b>7.5200e-003</b> |     | <b>299.7489</b> |

**3.2 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 | 7.2000        |               |               |                    |               | 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>7.3917</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> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.2 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1227        | 0.0734        | 0.8640        | 2.8900e-003        | 0.3353        | 2.3400e-003        | 0.3377        | 0.0889         | 2.1500e-003        | 0.0911        |          | 288.3889        | 288.3889        | 6.7700e-003        |     | 288.5583        |
| <b>Total</b> | <b>0.1227</b> | <b>0.0734</b> | <b>0.8640</b> | <b>2.8900e-003</b> | <b>0.3353</b> | <b>2.3400e-003</b> | <b>0.3377</b> | <b>0.0889</b>  | <b>2.1500e-003</b> | <b>0.0911</b> |          | <b>288.3889</b> | <b>288.3889</b> | <b>6.7700e-003</b> |     | <b>288.5583</b> |

**Mitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 7.2000        |               |               |                    |               | 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>7.3917</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> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.2 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.1227        | 0.0734        | 0.8640        | 2.8900e-003        | 0.3353        | 2.3400e-003        | 0.3377        | 0.0889         | 2.1500e-003        | 0.0911        |          | 288.3889        | 288.3889        | 6.7700e-003        |     | 288.5583        |
| <b>Total</b> | <b>0.1227</b> | <b>0.0734</b> | <b>0.8640</b> | <b>2.8900e-003</b> | <b>0.3353</b> | <b>2.3400e-003</b> | <b>0.3377</b> | <b>0.0889</b>  | <b>2.1500e-003</b> | <b>0.0911</b> |          | <b>288.3889</b> | <b>288.3889</b> | <b>6.7700e-003</b> |     | <b>288.5583</b> |

**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> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.3 Building Construction - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.1594        | 5.2300        | 1.3891        | 0.0142        | 0.3712        | 9.9700e-003   | 0.3812        | 0.1069         | 9.5300e-003   | 0.1164        |          | 1,520.7265        | 1,520.7265        | 0.0988        |     | 1,523.1956        |
| Worker       | 0.6419        | 0.4005        | 4.6246        | 0.0148        | 1.6543        | 0.0118        | 1.6661        | 0.4387         | 0.0109        | 0.4496        |          | 1,477.8341        | 1,477.8341        | 0.0371        |     | 1,478.7615        |
| <b>Total</b> | <b>0.8013</b> | <b>5.6305</b> | <b>6.0137</b> | <b>0.0291</b> | <b>2.0255</b> | <b>0.0218</b> | <b>2.0473</b> | <b>0.5456</b>  | <b>0.0204</b> | <b>0.5660</b> |          | <b>2,998.5606</b> | <b>2,998.5606</b> | <b>0.1359</b> |     | <b>3,001.9570</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 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> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.3 Building Construction - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.1594        | 5.2300        | 1.3891        | 0.0142        | 0.3712        | 9.9700e-003   | 0.3812        | 0.1069         | 9.5300e-003   | 0.1164        |          | 1,520.7265        | 1,520.7265        | 0.0988        |     | 1,523.1956        |
| Worker       | 0.6419        | 0.4005        | 4.6246        | 0.0148        | 1.6543        | 0.0118        | 1.6661        | 0.4387         | 0.0109        | 0.4496        |          | 1,477.8341        | 1,477.8341        | 0.0371        |     | 1,478.7615        |
| <b>Total</b> | <b>0.8013</b> | <b>5.6305</b> | <b>6.0137</b> | <b>0.0291</b> | <b>2.0255</b> | <b>0.0218</b> | <b>2.0473</b> | <b>0.5456</b>  | <b>0.0204</b> | <b>0.5660</b> |          | <b>2,998.5606</b> | <b>2,998.5606</b> | <b>0.1359</b> |     | <b>3,001.9570</b> |

**3.4 Demolition - 2021**

**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     | 3.1651        | 31.4407        | 21.5650        | 0.0388        |               | 1.5513        | 1.5513        |                | 1.4411        | 1.4411        |          | 3,747.9449        | 3,747.9449        | 1.0549        |     | 3,774.3174        |
| <b>Total</b> | <b>3.1651</b> | <b>31.4407</b> | <b>21.5650</b> | <b>0.0388</b> |               | <b>1.5513</b> | <b>1.5513</b> |                | <b>1.4411</b> | <b>1.4411</b> |          | <b>3,747.9449</b> | <b>3,747.9449</b> | <b>1.0549</b> |     | <b>3,774.3174</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.4 Demolition - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0692        | 0.0450        | 0.5078        | 1.5600e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 155.3502        | 155.3502        | 4.1600e-003        |     | 155.4543        |
| <b>Total</b> | <b>0.0692</b> | <b>0.0450</b> | <b>0.5078</b> | <b>1.5600e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>155.3502</b> | <b>155.3502</b> | <b>4.1600e-003</b> |     | <b>155.4543</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 3.1651        | 31.4407        | 21.5650        | 0.0388        |               | 1.5513        | 1.5513        |                | 1.4411        | 1.4411        | 0.0000        | 3,747.9449        | 3,747.9449        | 1.0549        |     | 3,774.3174        |
| <b>Total</b> | <b>3.1651</b> | <b>31.4407</b> | <b>21.5650</b> | <b>0.0388</b> |               | <b>1.5513</b> | <b>1.5513</b> |                | <b>1.4411</b> | <b>1.4411</b> | <b>0.0000</b> | <b>3,747.9449</b> | <b>3,747.9449</b> | <b>1.0549</b> |     | <b>3,774.3174</b> |



Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.4 Demolition - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0692        | 0.0450        | 0.5078        | 1.5600e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 155.3502        | 155.3502        | 4.1600e-003        |     | 155.4543        |
| <b>Total</b> | <b>0.0692</b> | <b>0.0450</b> | <b>0.5078</b> | <b>1.5600e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>155.3502</b> | <b>155.3502</b> | <b>4.1600e-003</b> |     | <b>155.4543</b> |

**3.5 Grading - 2021**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.2903        | 24.7367        | 15.8575        | 0.0296        |               | 1.1599        | 1.1599        |                | 1.0671        | 1.0671        |          | 2,871.9285        | 2,871.9285        | 0.9288        |     | 2,895.1495        |
| <b>Total</b>  | <b>2.2903</b> | <b>24.7367</b> | <b>15.8575</b> | <b>0.0296</b> | <b>6.5523</b> | <b>1.1599</b> | <b>7.7123</b> | <b>3.3675</b>  | <b>1.0671</b> | <b>4.4346</b> |          | <b>2,871.9285</b> | <b>2,871.9285</b> | <b>0.9288</b> |     | <b>2,895.1495</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.5 Grading - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0692        | 0.0450        | 0.5078        | 1.5600e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 155.3502        | 155.3502        | 4.1600e-003        |     | 155.4543        |
| <b>Total</b> | <b>0.0692</b> | <b>0.0450</b> | <b>0.5078</b> | <b>1.5600e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>155.3502</b> | <b>155.3502</b> | <b>4.1600e-003</b> |     | <b>155.4543</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.2903        | 24.7367        | 15.8575        | 0.0296        |               | 1.1599        | 1.1599        |                | 1.0671        | 1.0671        | 0.0000        | 2,871.9285        | 2,871.9285        | 0.9288        |     | 2,895.1495        |
| <b>Total</b>  | <b>2.2903</b> | <b>24.7367</b> | <b>15.8575</b> | <b>0.0296</b> | <b>6.5523</b> | <b>1.1599</b> | <b>7.7123</b> | <b>3.3675</b>  | <b>1.0671</b> | <b>4.4346</b> | <b>0.0000</b> | <b>2,871.9285</b> | <b>2,871.9285</b> | <b>0.9288</b> |     | <b>2,895.1495</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.5 Grading - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0692        | 0.0450        | 0.5078        | 1.5600e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 155.3502        | 155.3502        | 4.1600e-003        |     | 155.4543        |
| <b>Total</b> | <b>0.0692</b> | <b>0.0450</b> | <b>0.5078</b> | <b>1.5600e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>155.3502</b> | <b>155.3502</b> | <b>4.1600e-003</b> |     | <b>155.4543</b> |

**3.5 Grading - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        |          | 2,872.0464        | 2,872.0464        | 0.9289        |     | 2,895.2684        |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>6.5523</b> | <b>0.9409</b> | <b>7.4932</b> | <b>3.3675</b>  | <b>0.8656</b> | <b>4.2331</b> |          | <b>2,872.0464</b> | <b>2,872.0464</b> | <b>0.9289</b> |     | <b>2,895.2684</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.5 Grading - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0651        | 0.0406        | 0.4687        | 1.5000e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 149.7805        | 149.7805        | 3.7600e-003        |     | 149.8745        |
| <b>Total</b> | <b>0.0651</b> | <b>0.0406</b> | <b>0.4687</b> | <b>1.5000e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>149.7805</b> | <b>149.7805</b> | <b>3.7600e-003</b> |     | <b>149.8745</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        | 0.0000        | 2,872.0464        | 2,872.0464        | 0.9289        |     | 2,895.2684        |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>6.5523</b> | <b>0.9409</b> | <b>7.4932</b> | <b>3.3675</b>  | <b>0.8656</b> | <b>4.2331</b> | <b>0.0000</b> | <b>2,872.0464</b> | <b>2,872.0464</b> | <b>0.9289</b> |     | <b>2,895.2684</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.5 Grading - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0651        | 0.0406        | 0.4687        | 1.5000e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 149.7805        | 149.7805        | 3.7600e-003        |     | 149.8745        |
| <b>Total</b> | <b>0.0651</b> | <b>0.0406</b> | <b>0.4687</b> | <b>1.5000e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>149.7805</b> | <b>149.7805</b> | <b>3.7600e-003</b> |     | <b>149.8745</b> |

**3.6 Paving - 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     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        |          | 2,207.6603        | 2,207.6603        | 0.7140        |     | 2,225.5104        |
| Paving       | 0.0472        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1500</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> |          | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |     | <b>2,225.5104</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0651        | 0.0406        | 0.4687        | 1.5000e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 149.7805        | 149.7805        | 3.7600e-003        |     | 149.8745        |
| <b>Total</b> | <b>0.0651</b> | <b>0.0406</b> | <b>0.4687</b> | <b>1.5000e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>149.7805</b> | <b>149.7805</b> | <b>3.7600e-003</b> |     | <b>149.8745</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        | 0.0000        | 2,207.6603        | 2,207.6603        | 0.7140        |     | 2,225.5104        |
| Paving       | 0.0472        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1500</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> | <b>0.0000</b> | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |     | <b>2,225.5104</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0651        | 0.0406        | 0.4687        | 1.5000e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 149.7805        | 149.7805        | 3.7600e-003        |     | 149.8745        |
| <b>Total</b> | <b>0.0651</b> | <b>0.0406</b> | <b>0.4687</b> | <b>1.5000e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>149.7805</b> | <b>149.7805</b> | <b>3.7600e-003</b> |     | <b>149.8745</b> |

**3.7 Site Preparation - 2021**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         |          | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715.4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> |          | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.7 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0830        | 0.0539        | 0.6094        | 1.8700e-003        | 0.2012        | 1.4800e-003        | 0.2027        | 0.0534         | 1.3600e-003        | 0.0547        |          | 186.4202        | 186.4202        | 5.0000e-003        |     | 186.5451        |
| <b>Total</b> | <b>0.0830</b> | <b>0.0539</b> | <b>0.6094</b> | <b>1.8700e-003</b> | <b>0.2012</b> | <b>1.4800e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3600e-003</b> | <b>0.0547</b> |          | <b>186.4202</b> | <b>186.4202</b> | <b>5.0000e-003</b> |     | <b>186.5451</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         | 0.0000        | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715.4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> | <b>0.0000</b> | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |



Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**3.7 Site Preparation - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0830        | 0.0539        | 0.6094        | 1.8700e-003        | 0.2012        | 1.4800e-003        | 0.2027        | 0.0534         | 1.3600e-003        | 0.0547        |          | 186.4202        | 186.4202        | 5.0000e-003        |     | 186.5451        |
| <b>Total</b> | <b>0.0830</b> | <b>0.0539</b> | <b>0.6094</b> | <b>1.8700e-003</b> | <b>0.2012</b> | <b>1.4800e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3600e-003</b> | <b>0.0547</b> |          | <b>186.4202</b> | <b>186.4202</b> | <b>5.0000e-003</b> |     | <b>186.5451</b> |

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

|             | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O | CO2e     |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|----------|
| Category    | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |           |           |        |     |          |
| Mitigated   | 0.1299 | 2.1608 | 1.4595 | 8.7800e-003 | 0.5461        | 8.8400e-003  | 0.5549     | 0.1477         | 8.3700e-003   | 0.1561      |          | 915.0929  | 915.0929  | 0.0472 |     | 916.2740 |
| Unmitigated | 0.1299 | 2.1608 | 1.4595 | 8.7800e-003 | 0.5461        | 8.8400e-003  | 0.5549     | 0.1477         | 8.3700e-003   | 0.1561      |          | 915.0929  | 915.0929  | 0.0472 |     | 916.2740 |

4.2 Trip Summary Information

| Land Use                   | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------|-------------------------|----------|--------|-------------|------------|
|                            | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Office Park                | 73.90                   | 73.90    | 73.90  | 249,679     | 249,679    |
| Other Asphalt Surfaces     | 0.00                    | 0.00     | 0.00   |             |            |
| Other Non-Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Total                      | 73.90                   | 73.90    | 73.90  | 249,679     | 249,679    |

4.3 Trip Type Information

| Land Use                   | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                            | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Office Park                | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 82             | 15       | 3       |
| Other Asphalt Surfaces     | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Other Non-Asphalt Surfaces | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

4.4 Fleet Mix

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

| Land Use                   | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Office Park                | 0.689100 | 0.000000 | 0.000000 | 0.000000 | 0.135200 | 0.000000 | 0.040500 | 0.135200 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Other Asphalt Surfaces     | 0.548858 | 0.043235 | 0.200706 | 0.120309 | 0.016131 | 0.005851 | 0.021034 | 0.033479 | 0.002070 | 0.001877 | 0.004817 | 0.000707 | 0.000925 |
| Other Non-Asphalt Surfaces | 0.548858 | 0.043235 | 0.200706 | 0.120309 | 0.016131 | 0.005851 | 0.021034 | 0.033479 | 0.002070 | 0.001877 | 0.004817 | 0.000707 | 0.000925 |

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

|                        | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e   |
|------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|--------|
| Category               | lb/day      |             |             |             |               |              |             |                |               |             | lb/day   |           |           |             |             |        |
| NaturalGas Mitigated   | 4.4000e-004 | 4.0000e-003 | 3.3600e-003 | 2.0000e-005 |               | 3.0000e-004  | 3.0000e-004 |                | 3.0000e-004   | 3.0000e-004 |          | 4.8038    | 4.8038    | 9.0000e-005 | 9.0000e-005 | 4.8323 |
| NaturalGas Unmitigated | 4.4000e-004 | 4.0000e-003 | 3.3600e-003 | 2.0000e-005 |               | 3.0000e-004  | 3.0000e-004 |                | 3.0000e-004   | 3.0000e-004 |          | 4.8038    | 4.8038    | 9.0000e-005 | 9.0000e-005 | 4.8323 |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**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   |               |               |                    |                    |               |
| Office Park                | 40.832         | 4.4000e-004        | 4.0000e-003        | 3.3600e-003        | 2.0000e-005        |               | 3.0000e-004        | 3.0000e-004        |                | 3.0000e-004        | 3.0000e-004        |          | 4.8038        | 4.8038        | 9.0000e-005        | 9.0000e-005        | 4.8323        |
| Other Asphalt Surfaces     | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| Other Non-Asphalt Surfaces | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| <b>Total</b>               |                | <b>4.4000e-004</b> | <b>4.0000e-003</b> | <b>3.3600e-003</b> | <b>2.0000e-005</b> |               | <b>3.0000e-004</b> | <b>3.0000e-004</b> |                | <b>3.0000e-004</b> | <b>3.0000e-004</b> |          | <b>4.8038</b> | <b>4.8038</b> | <b>9.0000e-005</b> | <b>9.0000e-005</b> | <b>4.8323</b> |

**Mitigated**

|                            | NaturalGas Use | ROG                | NOx                | CO                 | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O                | CO2e          |
|----------------------------|----------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|--------------------|---------------|
| Land Use                   | kBTU/yr        | lb/day             |                    |                    |                    |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |                    |               |
| Office Park                | 0.040832       | 4.4000e-004        | 4.0000e-003        | 3.3600e-003        | 2.0000e-005        |               | 3.0000e-004        | 3.0000e-004        |                | 3.0000e-004        | 3.0000e-004        |          | 4.8038        | 4.8038        | 9.0000e-005        | 9.0000e-005        | 4.8323        |
| Other Asphalt Surfaces     | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| Other Non-Asphalt Surfaces | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| <b>Total</b>               |                | <b>4.4000e-004</b> | <b>4.0000e-003</b> | <b>3.3600e-003</b> | <b>2.0000e-005</b> |               | <b>3.0000e-004</b> | <b>3.0000e-004</b> |                | <b>3.0000e-004</b> | <b>3.0000e-004</b> |          | <b>4.8038</b> | <b>4.8038</b> | <b>9.0000e-005</b> | <b>9.0000e-005</b> | <b>4.8323</b> |

**6.0 Area Detail**

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**6.1 Mitigation Measures Area**

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e |        |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|------|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |           |           |             |     |      |        |
| Mitigated   | 0.2670 | 3.3000e-004 | 0.0362 | 0.0000 |               | 1.3000e-004  | 1.3000e-004 |                | 1.3000e-004   | 1.3000e-004 |          | 0.0772    | 0.0772    | 2.1000e-004 |     |      | 0.0823 |
| Unmitigated | 0.2670 | 3.3000e-004 | 0.0362 | 0.0000 |               | 1.3000e-004  | 1.3000e-004 |                | 1.3000e-004   | 1.3000e-004 |          | 0.0772    | 0.0772    | 2.1000e-004 |     |      | 0.0823 |

**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 | 0.0395        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000 |               |
| Consumer Products     | 0.2242        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000 |               |
| Landscaping           | 3.3800e-003   | 3.3000e-004        | 0.0362        | 0.0000        |               | 1.3000e-004        | 1.3000e-004        |                | 1.3000e-004        | 1.3000e-004        |          | 0.0772        | 0.0772        | 2.1000e-004        |     |        | 0.0823        |
| <b>Total</b>          | <b>0.2670</b> | <b>3.3000e-004</b> | <b>0.0362</b> | <b>0.0000</b> |               | <b>1.3000e-004</b> | <b>1.3000e-004</b> |                | <b>1.3000e-004</b> | <b>1.3000e-004</b> |          | <b>0.0772</b> | <b>0.0772</b> | <b>2.1000e-004</b> |     |        | <b>0.0823</b> |

Off Family Equipment Storage Yard - South Coast AQMD Air District, Winter

**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 | 0.0395        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 0.2242        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 3.3800e-003   | 3.3000e-004        | 0.0362        | 0.0000        |               | 1.3000e-004        | 1.3000e-004        |                | 1.3000e-004        | 1.3000e-004        |          | 0.0772        | 0.0772        | 2.1000e-004        |     | 0.0823        |
| <b>Total</b>          | <b>0.2670</b> | <b>3.3000e-004</b> | <b>0.0362</b> | <b>0.0000</b> |               | <b>1.3000e-004</b> | <b>1.3000e-004</b> |                | <b>1.3000e-004</b> | <b>1.3000e-004</b> |          | <b>0.0772</b> | <b>0.0772</b> | <b>2.1000e-004</b> |     | <b>0.0823</b> |

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

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Fire Pumps and Emergency Generators

Offt Family Equipment Storage Yard - South Coast AQMD Air District, Winter

| 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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Offt Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

**Offt Family Equipment Storage Yard (Residential)**  
**South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                  | Size  | Metric        | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|---------------|-------------|--------------------|------------|
| Single Family Housing      | 33.00 | Dwelling Unit | 3.28        | 59,400.00          | 94         |
| Other Non-Asphalt Surfaces | 0.00  | Acre          | 4.82        | 0.00               | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 31    |
| <b>Climate Zone</b>             | 10                         | <b>Operational Year</b>         | 2023  |                                  |       |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 702.44                     | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

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

Project Characteristics -

Land Use - Per San Bernardino County Development Code, Table 82-9A: Residential Land Use Zoning District Development Standards for RS (Single Residential).

| Table Name | Column Name | Default Value | New Value |
|------------|-------------|---------------|-----------|
| tblLandUse | LotAcreage  | 10.71         | 3.28      |
| tblLandUse | LotAcreage  | 0.00          | 4.82      |

**2.0 Emissions Summary**



Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

**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         |                 |                 |               |               |                 |
| 2021           | 0.0697        | 0.7035        | 0.4526        | 8.4000e-004        | 0.1447        | 0.0345        | 0.1791        | 0.0761         | 0.0319        | 0.1079        | 0.0000        | 73.6276         | 73.6276         | 0.0214        | 0.0000        | 74.1623         |
| 2022           | 0.2665        | 2.0093        | 2.1313        | 3.6800e-003        | 0.0405        | 0.1015        | 0.1420        | 0.0143         | 0.0953        | 0.1096        | 0.0000        | 319.2844        | 319.2844        | 0.0735        | 0.0000        | 321.1223        |
| 2023           | 0.1409        | 9.8100e-003   | 0.0140        | 2.0000e-005        | 1.6000e-004   | 5.3000e-004   | 7.0000e-004   | 4.0000e-005    | 5.3000e-004   | 5.8000e-004   | 0.0000        | 2.0480          | 2.0480          | 1.2000e-004   | 0.0000        | 2.0509          |
| <b>Maximum</b> | <b>0.2665</b> | <b>2.0093</b> | <b>2.1313</b> | <b>3.6800e-003</b> | <b>0.1447</b> | <b>0.1015</b> | <b>0.1791</b> | <b>0.0761</b>  | <b>0.0953</b> | <b>0.1096</b> | <b>0.0000</b> | <b>319.2844</b> | <b>319.2844</b> | <b>0.0735</b> | <b>0.0000</b> | <b>321.1223</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         |                 |                 |               |               |                 |
| 2021           | 0.0697        | 0.7035        | 0.4526        | 8.4000e-004        | 0.1447        | 0.0345        | 0.1791        | 0.0761         | 0.0319        | 0.1079        | 0.0000        | 73.6275         | 73.6275         | 0.0214        | 0.0000        | 74.1622         |
| 2022           | 0.2665        | 2.0093        | 2.1313        | 3.6800e-003        | 0.0405        | 0.1015        | 0.1420        | 0.0143         | 0.0953        | 0.1096        | 0.0000        | 319.2841        | 319.2841        | 0.0735        | 0.0000        | 321.1219        |
| 2023           | 0.1409        | 9.8100e-003   | 0.0140        | 2.0000e-005        | 1.6000e-004   | 5.3000e-004   | 7.0000e-004   | 4.0000e-005    | 5.3000e-004   | 5.8000e-004   | 0.0000        | 2.0480          | 2.0480          | 1.2000e-004   | 0.0000        | 2.0509          |
| <b>Maximum</b> | <b>0.2665</b> | <b>2.0093</b> | <b>2.1313</b> | <b>3.6800e-003</b> | <b>0.1447</b> | <b>0.1015</b> | <b>0.1791</b> | <b>0.0761</b>  | <b>0.0953</b> | <b>0.1096</b> | <b>0.0000</b> | <b>319.2841</b> | <b>319.2841</b> | <b>0.0735</b> | <b>0.0000</b> | <b>321.1219</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

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

| Quarter | Start Date | End Date   | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|------------|--|--|
| 1       | 11-1-2021  | 1-31-2022  | 0.9582                                       | 0.9582                                     |
| 2       | 2-1-2022   | 4-30-2022  | 0.5650                                       | 0.5650                                     |
| 3       | 5-1-2022   | 7-31-2022  | 0.5839                                       | 0.5839                                     |
| 4       | 8-1-2022   | 10-31-2022 | 0.5840                                       | 0.5840                                     |
| 5       | 11-1-2022  | 1-31-2023  | 0.4833                                       | 0.4833                                     |
|         |            | Highest    | 0.9582                                       | 0.9582                                     |

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         | 0.3516        | 0.0125        | 0.5502        | 5.5000e-004        |               | 0.0334        | 0.0334        |                | 0.0334        | 0.0334        | 3.5052         | 7.2918          | 10.7970         | 0.0110        | 2.4000e-004        | 11.1426         |
| Energy       | 5.4400e-003   | 0.0465        | 0.0198        | 3.0000e-004        |               | 3.7600e-003   | 3.7600e-003   |                | 3.7600e-003   | 3.7600e-003   | 0.0000         | 145.5295        | 145.5295        | 4.8200e-003   | 1.7700e-003        | 146.1775        |
| Mobile       | 0.0838        | 0.4102        | 1.1631        | 4.6600e-003        | 0.4048        | 3.3000e-003   | 0.4081        | 0.1085         | 3.0700e-003   | 0.1115        | 0.0000         | 430.9420        | 430.9420        | 0.0194        | 0.0000             | 431.4265        |
| Waste        |               |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 7.8233         | 0.0000          | 7.8233          | 0.4623        | 0.0000             | 19.3818         |
| Water        |               |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.6821         | 13.7185         | 14.4006         | 0.0706        | 1.7700e-003        | 16.6942         |
| <b>Total</b> | <b>0.4408</b> | <b>0.4692</b> | <b>1.7331</b> | <b>5.5100e-003</b> | <b>0.4048</b> | <b>0.0405</b> | <b>0.4453</b> | <b>0.1085</b>  | <b>0.0402</b> | <b>0.1487</b> | <b>12.0106</b> | <b>597.4817</b> | <b>609.4923</b> | <b>0.5682</b> | <b>3.7800e-003</b> | <b>624.8226</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

**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         | 0.3516        | 0.0125        | 0.5502        | 5.5000e-004        |               | 0.0334        | 0.0334        |                | 0.0334        | 0.0334        | 3.5052         | 7.2918          | 10.7970         | 0.0110        | 2.4000e-004        | 11.1426         |
| Energy       | 5.4400e-003   | 0.0465        | 0.0198        | 3.0000e-004        |               | 3.7600e-003   | 3.7600e-003   |                | 3.7600e-003   | 3.7600e-003   | 0.0000         | 145.5295        | 145.5295        | 4.8200e-003   | 1.7700e-003        | 146.1775        |
| Mobile       | 0.0838        | 0.4102        | 1.1631        | 4.6600e-003        | 0.4048        | 3.3000e-003   | 0.4081        | 0.1085         | 3.0700e-003   | 0.1115        | 0.0000         | 430.9420        | 430.9420        | 0.0194        | 0.0000             | 431.4265        |
| Waste        |               |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 7.8233         | 0.0000          | 7.8233          | 0.4623        | 0.0000             | 19.3818         |
| Water        |               |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.6821         | 13.7185         | 14.4006         | 0.0706        | 1.7700e-003        | 16.6942         |
| <b>Total</b> | <b>0.4408</b> | <b>0.4692</b> | <b>1.7331</b> | <b>5.5100e-003</b> | <b>0.4048</b> | <b>0.0405</b> | <b>0.4453</b> | <b>0.1085</b>  | <b>0.0402</b> | <b>0.1487</b> | <b>12.0106</b> | <b>597.4817</b> | <b>609.4923</b> | <b>0.5682</b> | <b>3.7800e-003</b> | <b>624.8226</b> |

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

**3.0 Construction Detail**

**Construction Phase**

## Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 11/1/2021  | 11/26/2021 | 5             | 20       |                   |
| 2            | Site Preparation      | Site Preparation      | 11/27/2021 | 12/10/2021 | 5             | 10       |                   |
| 3            | Grading               | Grading               | 12/11/2021 | 1/7/2022   | 5             | 20       |                   |
| 4            | Building Construction | Building Construction | 1/8/2022   | 11/25/2022 | 5             | 230      |                   |
| 5            | Paving                | Paving                | 11/26/2022 | 12/23/2022 | 5             | 20       |                   |
| 6            | Architectural Coating | Architectural Coating | 12/24/2022 | 1/20/2023  | 5             | 20       |                   |

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

**Acres of Grading (Grading Phase): 10**

**Acres of Paving: 4.82**

**Residential Indoor: 120,285; Residential Outdoor: 40,095; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

## Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| 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        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |

**Trips and VMT**

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 12.00              | 4.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 2.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

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     | 0.0317        | 0.3144        | 0.2157        | 3.9000e-004        |               | 0.0155        | 0.0155        |                | 0.0144        | 0.0144        | 0.0000        | 34.0008        | 34.0008        | 9.5700e-003        | 0.0000        | 34.2400        |
| <b>Total</b> | <b>0.0317</b> | <b>0.3144</b> | <b>0.2157</b> | <b>3.9000e-004</b> |               | <b>0.0155</b> | <b>0.0155</b> |                | <b>0.0144</b> | <b>0.0144</b> | <b>0.0000</b> | <b>34.0008</b> | <b>34.0008</b> | <b>9.5700e-003</b> | <b>0.0000</b> | <b>34.2400</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

**3.2 Demolition - 2021**

**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       | 6.3000e-004        | 4.6000e-004        | 5.2300e-003        | 2.0000e-005        | 1.6500e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.4335        | 1.4335        | 4.0000e-005        | 0.0000        | 1.4345        |
| <b>Total</b> | <b>6.3000e-004</b> | <b>4.6000e-004</b> | <b>5.2300e-003</b> | <b>2.0000e-005</b> | <b>1.6500e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.4335</b> | <b>1.4335</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.4345</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |                    |               |                |
| Off-Road     | 0.0317        | 0.3144        | 0.2157        | 3.9000e-004        |               | 0.0155        | 0.0155        |                | 0.0144        | 0.0144        | 0.0000        | 34.0007        | 34.0007        | 9.5700e-003        | 0.0000        | 34.2400        |
| <b>Total</b> | <b>0.0317</b> | <b>0.3144</b> | <b>0.2157</b> | <b>3.9000e-004</b> |               | <b>0.0155</b> | <b>0.0155</b> |                | <b>0.0144</b> | <b>0.0144</b> | <b>0.0000</b> | <b>34.0007</b> | <b>34.0007</b> | <b>9.5700e-003</b> | <b>0.0000</b> | <b>34.2400</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

**3.2 Demolition - 2021**

**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       | 6.3000e-004        | 4.6000e-004        | 5.2300e-003        | 2.0000e-005        | 1.6500e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.4335        | 1.4335        | 4.0000e-005        | 0.0000        | 1.4345        |
| <b>Total</b> | <b>6.3000e-004</b> | <b>4.6000e-004</b> | <b>5.2300e-003</b> | <b>2.0000e-005</b> | <b>1.6500e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.4335</b> | <b>1.4335</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.4345</b> |

**3.3 Site Preparation - 2021**

**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 |               |               |               |                    | 0.0903        | 0.0000        | 0.0903        | 0.0497         | 0.0000             | 0.0497        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0194        | 0.2025        | 0.1058        | 1.9000e-004        |               | 0.0102        | 0.0102        |                | 9.4000e-003        | 9.4000e-003   | 0.0000        | 16.7179        | 16.7179        | 5.4100e-003        | 0.0000        | 16.8530        |
| <b>Total</b>  | <b>0.0194</b> | <b>0.2025</b> | <b>0.1058</b> | <b>1.9000e-004</b> | <b>0.0903</b> | <b>0.0102</b> | <b>0.1006</b> | <b>0.0497</b>  | <b>9.4000e-003</b> | <b>0.0591</b> | <b>0.0000</b> | <b>16.7179</b> | <b>16.7179</b> | <b>5.4100e-003</b> | <b>0.0000</b> | <b>16.8530</b> |



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**3.3 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 3.8000e-004        | 2.8000e-004        | 3.1400e-003        | 1.0000e-005        | 9.9000e-004        | 1.0000e-005        | 9.9000e-004        | 2.6000e-004        | 1.0000e-005        | 2.7000e-004        | 0.0000        | 0.8601        | 0.8601        | 2.0000e-005        | 0.0000        | 0.8607        |
| <b>Total</b> | <b>3.8000e-004</b> | <b>2.8000e-004</b> | <b>3.1400e-003</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>2.6000e-004</b> | <b>1.0000e-005</b> | <b>2.7000e-004</b> | <b>0.0000</b> | <b>0.8601</b> | <b>0.8601</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.8607</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.0903        | 0.0000        | 0.0903        | 0.0497         | 0.0000             | 0.0497        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0194        | 0.2025        | 0.1058        | 1.9000e-004        |               | 0.0102        | 0.0102        |                | 9.4000e-003        | 9.4000e-003   | 0.0000        | 16.7178        | 16.7178        | 5.4100e-003        | 0.0000        | 16.8530        |
| <b>Total</b>  | <b>0.0194</b> | <b>0.2025</b> | <b>0.1058</b> | <b>1.9000e-004</b> | <b>0.0903</b> | <b>0.0102</b> | <b>0.1006</b> | <b>0.0497</b>  | <b>9.4000e-003</b> | <b>0.0591</b> | <b>0.0000</b> | <b>16.7178</b> | <b>16.7178</b> | <b>5.4100e-003</b> | <b>0.0000</b> | <b>16.8530</b> |

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**3.3 Site Preparation - 2021**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 3.8000e-004        | 2.8000e-004        | 3.1400e-003        | 1.0000e-005        | 9.9000e-004        | 1.0000e-005        | 9.9000e-004        | 2.6000e-004        | 1.0000e-005        | 2.7000e-004        | 0.0000        | 0.8601        | 0.8601        | 2.0000e-005        | 0.0000        | 0.8607        |
| <b>Total</b> | <b>3.8000e-004</b> | <b>2.8000e-004</b> | <b>3.1400e-003</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>2.6000e-004</b> | <b>1.0000e-005</b> | <b>2.7000e-004</b> | <b>0.0000</b> | <b>0.8601</b> | <b>0.8601</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.8607</b> |

**3.4 Grading - 2021**

**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 |               |               |               |                    | 0.0505        | 0.0000             | 0.0505        | 0.0254         | 0.0000             | 0.0254        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0172        | 0.1855        | 0.1189        | 2.2000e-004        |               | 8.7000e-003        | 8.7000e-003   |                | 8.0000e-003        | 8.0000e-003   | 0.0000        | 19.5403        | 19.5403        | 6.3200e-003        | 0.0000        | 19.6983        |
| <b>Total</b>  | <b>0.0172</b> | <b>0.1855</b> | <b>0.1189</b> | <b>2.2000e-004</b> | <b>0.0505</b> | <b>8.7000e-003</b> | <b>0.0592</b> | <b>0.0254</b>  | <b>8.0000e-003</b> | <b>0.0334</b> | <b>0.0000</b> | <b>19.5403</b> | <b>19.5403</b> | <b>6.3200e-003</b> | <b>0.0000</b> | <b>19.6983</b> |

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**3.4 Grading - 2021**

**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       | 4.7000e-004        | 3.5000e-004        | 3.9200e-003        | 1.0000e-005        | 1.2300e-003        | 1.0000e-005        | 1.2400e-003        | 3.3000e-004        | 1.0000e-005        | 3.4000e-004        | 0.0000        | 1.0751        | 1.0751        | 3.0000e-005        | 0.0000        | 1.0758        |
| <b>Total</b> | <b>4.7000e-004</b> | <b>3.5000e-004</b> | <b>3.9200e-003</b> | <b>1.0000e-005</b> | <b>1.2300e-003</b> | <b>1.0000e-005</b> | <b>1.2400e-003</b> | <b>3.3000e-004</b> | <b>1.0000e-005</b> | <b>3.4000e-004</b> | <b>0.0000</b> | <b>1.0751</b> | <b>1.0751</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>1.0758</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.0505        | 0.0000             | 0.0505        | 0.0254         | 0.0000             | 0.0254        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0172        | 0.1855        | 0.1189        | 2.2000e-004        |               | 8.7000e-003        | 8.7000e-003   |                | 8.0000e-003        | 8.0000e-003   | 0.0000        | 19.5403        | 19.5403        | 6.3200e-003        | 0.0000        | 19.6982        |
| <b>Total</b>  | <b>0.0172</b> | <b>0.1855</b> | <b>0.1189</b> | <b>2.2000e-004</b> | <b>0.0505</b> | <b>8.7000e-003</b> | <b>0.0592</b> | <b>0.0254</b>  | <b>8.0000e-003</b> | <b>0.0334</b> | <b>0.0000</b> | <b>19.5403</b> | <b>19.5403</b> | <b>6.3200e-003</b> | <b>0.0000</b> | <b>19.6982</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

**3.4 Grading - 2021**

**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       | 4.7000e-004        | 3.5000e-004        | 3.9200e-003        | 1.0000e-005        | 1.2300e-003        | 1.0000e-005        | 1.2400e-003        | 3.3000e-004        | 1.0000e-005        | 3.4000e-004        | 0.0000        | 1.0751        | 1.0751        | 3.0000e-005        | 0.0000        | 1.0758        |
| <b>Total</b> | <b>4.7000e-004</b> | <b>3.5000e-004</b> | <b>3.9200e-003</b> | <b>1.0000e-005</b> | <b>1.2300e-003</b> | <b>1.0000e-005</b> | <b>1.2400e-003</b> | <b>3.3000e-004</b> | <b>1.0000e-005</b> | <b>3.4000e-004</b> | <b>0.0000</b> | <b>1.0751</b> | <b>1.0751</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>1.0758</b> |

**3.4 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 |                    |               |               |                    | 0.0204        | 0.0000             | 0.0204        | 8.8500e-003        | 0.0000             | 8.8500e-003   | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 4.8700e-003        | 0.0521        | 0.0382        | 7.0000e-005        |               | 2.3500e-003        | 2.3500e-003   |                    | 2.1600e-003        | 2.1600e-003   | 0.0000        | 6.5137        | 6.5137        | 2.1100e-003        | 0.0000        | 6.5664        |
| <b>Total</b>  | <b>4.8700e-003</b> | <b>0.0521</b> | <b>0.0382</b> | <b>7.0000e-005</b> | <b>0.0204</b> | <b>2.3500e-003</b> | <b>0.0227</b> | <b>8.8500e-003</b> | <b>2.1600e-003</b> | <b>0.0110</b> | <b>0.0000</b> | <b>6.5137</b> | <b>6.5137</b> | <b>2.1100e-003</b> | <b>0.0000</b> | <b>6.5664</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

**3.4 Grading - 2022**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |               |                    |               |                    |                    |               |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 1.5000e-004        | 1.0000e-004        | 1.2100e-003        | 0.0000        | 4.1000e-004        | 0.0000        | 4.1000e-004        | 1.1000e-004        | 0.0000        | 1.1000e-004        | 0.0000        | 0.3455        | 0.3455        | 1.0000e-005        | 0.0000        | 0.3457        |
| <b>Total</b> | <b>1.5000e-004</b> | <b>1.0000e-004</b> | <b>1.2100e-003</b> | <b>0.0000</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>4.1000e-004</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>0.3455</b> | <b>0.3455</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.3457</b> |

**Mitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category      | tons/yr            |               |               |                    |               |                    |               |                    |                    |               | MT/yr         |               |               |                    |               |               |
| Fugitive Dust |                    |               |               |                    | 0.0204        | 0.0000             | 0.0204        | 8.8500e-003        | 0.0000             | 8.8500e-003   | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 4.8700e-003        | 0.0521        | 0.0382        | 7.0000e-005        |               | 2.3500e-003        | 2.3500e-003   |                    | 2.1600e-003        | 2.1600e-003   | 0.0000        | 6.5137        | 6.5137        | 2.1100e-003        | 0.0000        | 6.5664        |
| <b>Total</b>  | <b>4.8700e-003</b> | <b>0.0521</b> | <b>0.0382</b> | <b>7.0000e-005</b> | <b>0.0204</b> | <b>2.3500e-003</b> | <b>0.0227</b> | <b>8.8500e-003</b> | <b>2.1600e-003</b> | <b>0.0110</b> | <b>0.0000</b> | <b>6.5137</b> | <b>6.5137</b> | <b>2.1100e-003</b> | <b>0.0000</b> | <b>6.5664</b> |

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**3.4 Grading - 2022**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |               |                    |               |                    |                    |               |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 1.5000e-004        | 1.0000e-004        | 1.2100e-003        | 0.0000        | 4.1000e-004        | 0.0000        | 4.1000e-004        | 1.1000e-004        | 0.0000        | 1.1000e-004        | 0.0000        | 0.3455        | 0.3455        | 1.0000e-005        | 0.0000        | 0.3457        |
| <b>Total</b> | <b>1.5000e-004</b> | <b>1.0000e-004</b> | <b>1.2100e-003</b> | <b>0.0000</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>4.1000e-004</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>0.3455</b> | <b>0.3455</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.3457</b> |

**3.5 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     | 0.1962        | 1.7958        | 1.8818        | 3.1000e-003        |               | 0.0930        | 0.0930        |                | 0.0875        | 0.0875        | 0.0000        | 266.4840        | 266.4840        | 0.0638        | 0.0000        | 268.0801        |
| <b>Total</b> | <b>0.1962</b> | <b>1.7958</b> | <b>1.8818</b> | <b>3.1000e-003</b> |               | <b>0.0930</b> | <b>0.0930</b> |                | <b>0.0875</b> | <b>0.0875</b> | <b>0.0000</b> | <b>266.4840</b> | <b>266.4840</b> | <b>0.0638</b> | <b>0.0000</b> | <b>268.0801</b> |

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**3.5 Building Construction - 2022**

**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       | 1.2300e-003        | 0.0422        | 0.0104        | 1.1000e-004        | 2.9000e-003   | 8.0000e-005        | 2.9800e-003   | 8.4000e-004        | 7.0000e-005        | 9.1000e-004        | 0.0000        | 11.1319        | 11.1319        | 6.8000e-004        | 0.0000        | 11.1489        |
| Worker       | 5.4000e-003        | 3.8400e-003   | 0.0444        | 1.4000e-004        | 0.0151        | 1.1000e-004        | 0.0153        | 4.0200e-003        | 1.0000e-004        | 4.1200e-003        | 0.0000        | 12.7153        | 12.7153        | 3.2000e-004        | 0.0000        | 12.7233        |
| <b>Total</b> | <b>6.6300e-003</b> | <b>0.0460</b> | <b>0.0548</b> | <b>2.5000e-004</b> | <b>0.0180</b> | <b>1.9000e-004</b> | <b>0.0182</b> | <b>4.8600e-003</b> | <b>1.7000e-004</b> | <b>5.0300e-003</b> | <b>0.0000</b> | <b>23.8471</b> | <b>23.8471</b> | <b>1.0000e-003</b> | <b>0.0000</b> | <b>23.8722</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.1962        | 1.7958        | 1.8818        | 3.1000e-003        |               | 0.0930        | 0.0930        |                | 0.0875        | 0.0875        | 0.0000        | 266.4837        | 266.4837        | 0.0638        | 0.0000        | 268.0798        |
| <b>Total</b> | <b>0.1962</b> | <b>1.7958</b> | <b>1.8818</b> | <b>3.1000e-003</b> |               | <b>0.0930</b> | <b>0.0930</b> |                | <b>0.0875</b> | <b>0.0875</b> | <b>0.0000</b> | <b>266.4837</b> | <b>266.4837</b> | <b>0.0638</b> | <b>0.0000</b> | <b>268.0798</b> |

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**3.5 Building Construction - 2022**

**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       | 1.2300e-003        | 0.0422        | 0.0104        | 1.1000e-004        | 2.9000e-003   | 8.0000e-005        | 2.9800e-003   | 8.4000e-004        | 7.0000e-005        | 9.1000e-004        | 0.0000        | 11.1319        | 11.1319        | 6.8000e-004        | 0.0000        | 11.1489        |
| Worker       | 5.4000e-003        | 3.8400e-003   | 0.0444        | 1.4000e-004        | 0.0151        | 1.1000e-004        | 0.0153        | 4.0200e-003        | 1.0000e-004        | 4.1200e-003        | 0.0000        | 12.7153        | 12.7153        | 3.2000e-004        | 0.0000        | 12.7233        |
| <b>Total</b> | <b>6.6300e-003</b> | <b>0.0460</b> | <b>0.0548</b> | <b>2.5000e-004</b> | <b>0.0180</b> | <b>1.9000e-004</b> | <b>0.0182</b> | <b>4.8600e-003</b> | <b>1.7000e-004</b> | <b>5.0300e-003</b> | <b>0.0000</b> | <b>23.8471</b> | <b>23.8471</b> | <b>1.0000e-003</b> | <b>0.0000</b> | <b>23.8722</b> |

**3.6 Paving - 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     | 0.0110        | 0.1113        | 0.1458        | 2.3000e-004        |               | 5.6800e-003        | 5.6800e-003        |                | 5.2200e-003        | 5.2200e-003        | 0.0000        | 20.0276        | 20.0276        | 6.4800e-003        | 0.0000        | 20.1895        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0110</b> | <b>0.1113</b> | <b>0.1458</b> | <b>2.3000e-004</b> |               | <b>5.6800e-003</b> | <b>5.6800e-003</b> |                | <b>5.2200e-003</b> | <b>5.2200e-003</b> | <b>0.0000</b> | <b>20.0276</b> | <b>20.0276</b> | <b>6.4800e-003</b> | <b>0.0000</b> | <b>20.1895</b> |



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**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 5.9000e-004        | 4.2000e-004        | 4.8300e-003        | 2.0000e-005        | 1.6500e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.3821        | 1.3821        | 3.0000e-005        | 0.0000        | 1.3830        |
| <b>Total</b> | <b>5.9000e-004</b> | <b>4.2000e-004</b> | <b>4.8300e-003</b> | <b>2.0000e-005</b> | <b>1.6500e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.3821</b> | <b>1.3821</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>1.3830</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 0.0110        | 0.1113        | 0.1458        | 2.3000e-004        |               | 5.6800e-003        | 5.6800e-003        |                | 5.2200e-003        | 5.2200e-003        | 0.0000        | 20.0275        | 20.0275        | 6.4800e-003        | 0.0000        | 20.1895        |
| Paving       | 0.0000        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0110</b> | <b>0.1113</b> | <b>0.1458</b> | <b>2.3000e-004</b> |               | <b>5.6800e-003</b> | <b>5.6800e-003</b> |                | <b>5.2200e-003</b> | <b>5.2200e-003</b> | <b>0.0000</b> | <b>20.0275</b> | <b>20.0275</b> | <b>6.4800e-003</b> | <b>0.0000</b> | <b>20.1895</b> |

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**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 5.9000e-004        | 4.2000e-004        | 4.8300e-003        | 2.0000e-005        | 1.6500e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.3821        | 1.3821        | 3.0000e-005        | 0.0000        | 1.3830        |
| <b>Total</b> | <b>5.9000e-004</b> | <b>4.2000e-004</b> | <b>4.8300e-003</b> | <b>2.0000e-005</b> | <b>1.6500e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.3821</b> | <b>1.3821</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>1.3830</b> |

**3.7 Architectural Coating - 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         |               |               |                    |               |               |
| Archit. Coating | 0.0465        |                    |                    |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 5.1000e-004   | 3.5200e-003        | 4.5300e-003        | 1.0000e-005        |               | 2.0000e-004        | 2.0000e-004        |                | 2.0000e-004        | 2.0000e-004        | 0.0000        | 0.6383        | 0.6383        | 4.0000e-005        | 0.0000        | 0.6394        |
| <b>Total</b>    | <b>0.0470</b> | <b>3.5200e-003</b> | <b>4.5300e-003</b> | <b>1.0000e-005</b> |               | <b>2.0000e-004</b> | <b>2.0000e-004</b> |                | <b>2.0000e-004</b> | <b>2.0000e-004</b> | <b>0.0000</b> | <b>0.6383</b> | <b>0.6383</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>0.6394</b> |

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**3.7 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |               |                    |               |                    |                    |               |                    | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 2.0000e-005        | 1.0000e-005        | 1.6000e-004        | 0.0000        | 5.0000e-005        | 0.0000        | 6.0000e-005        | 1.0000e-005        | 0.0000        | 1.0000e-005        | 0.0000        | 0.0461        | 0.0461        | 0.0000        | 0.0000        | 0.0461        |
| <b>Total</b> | <b>2.0000e-005</b> | <b>1.0000e-005</b> | <b>1.6000e-004</b> | <b>0.0000</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>6.0000e-005</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.0461</b> | <b>0.0461</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0461</b> |

**Mitigated Construction On-Site**

|                 | ROG           | NOx                | CO                 | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category        | tons/yr       |                    |                    |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Archit. Coating | 0.0465        |                    |                    |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 5.1000e-004   | 3.5200e-003        | 4.5300e-003        | 1.0000e-005        |               | 2.0000e-004        | 2.0000e-004        |                | 2.0000e-004        | 2.0000e-004        | 0.0000        | 0.6383        | 0.6383        | 4.0000e-005        | 0.0000        | 0.6394        |
| <b>Total</b>    | <b>0.0470</b> | <b>3.5200e-003</b> | <b>4.5300e-003</b> | <b>1.0000e-005</b> |               | <b>2.0000e-004</b> | <b>2.0000e-004</b> |                | <b>2.0000e-004</b> | <b>2.0000e-004</b> | <b>0.0000</b> | <b>0.6383</b> | <b>0.6383</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>0.6394</b> |

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**3.7 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |               |                    |               |                    |                    |               |                    | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 2.0000e-005        | 1.0000e-005        | 1.6000e-004        | 0.0000        | 5.0000e-005        | 0.0000        | 6.0000e-005        | 1.0000e-005        | 0.0000        | 1.0000e-005        | 0.0000        | 0.0461        | 0.0461        | 0.0000        | 0.0000        | 0.0461        |
| <b>Total</b> | <b>2.0000e-005</b> | <b>1.0000e-005</b> | <b>1.6000e-004</b> | <b>0.0000</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>6.0000e-005</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.0461</b> | <b>0.0461</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0461</b> |

**3.7 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 | 0.1394        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.4400e-003   | 9.7700e-003        | 0.0136        | 2.0000e-005        |               | 5.3000e-004        | 5.3000e-004        |                | 5.3000e-004        | 5.3000e-004        | 0.0000        | 1.9149        | 1.9149        | 1.1000e-004        | 0.0000        | 1.9178        |
| <b>Total</b>    | <b>0.1408</b> | <b>9.7700e-003</b> | <b>0.0136</b> | <b>2.0000e-005</b> |               | <b>5.3000e-004</b> | <b>5.3000e-004</b> |                | <b>5.3000e-004</b> | <b>5.3000e-004</b> | <b>0.0000</b> | <b>1.9149</b> | <b>1.9149</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>1.9178</b> |

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**3.7 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |               |                    |               |                    |                    |               |                    | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 6.0000e-005        | 4.0000e-005        | 4.5000e-004        | 0.0000        | 1.6000e-004        | 0.0000        | 1.7000e-004        | 4.0000e-005        | 0.0000        | 4.0000e-005        | 0.0000        | 0.1331        | 0.1331        | 0.0000        | 0.0000        | 0.1331        |
| <b>Total</b> | <b>6.0000e-005</b> | <b>4.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.6000e-004</b> | <b>0.0000</b> | <b>1.7000e-004</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>0.1331</b> | <b>0.1331</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.1331</b> |

**Mitigated Construction On-Site**

|                 | ROG           | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category        | tons/yr       |                    |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Archit. Coating | 0.1394        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.4400e-003   | 9.7700e-003        | 0.0136        | 2.0000e-005        |               | 5.3000e-004        | 5.3000e-004        |                | 5.3000e-004        | 5.3000e-004        | 0.0000        | 1.9149        | 1.9149        | 1.1000e-004        | 0.0000        | 1.9178        |
| <b>Total</b>    | <b>0.1408</b> | <b>9.7700e-003</b> | <b>0.0136</b> | <b>2.0000e-005</b> |               | <b>5.3000e-004</b> | <b>5.3000e-004</b> |                | <b>5.3000e-004</b> | <b>5.3000e-004</b> | <b>0.0000</b> | <b>1.9149</b> | <b>1.9149</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>1.9178</b> |

Offt Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

**3.7 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |               |                    |               |                    |                    |               |                    | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 6.0000e-005        | 4.0000e-005        | 4.5000e-004        | 0.0000        | 1.6000e-004        | 0.0000        | 1.7000e-004        | 4.0000e-005        | 0.0000        | 4.0000e-005        | 0.0000        | 0.1331        | 0.1331        | 0.0000        | 0.0000        | 0.1331        |
| <b>Total</b> | <b>6.0000e-005</b> | <b>4.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.6000e-004</b> | <b>0.0000</b> | <b>1.7000e-004</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>0.1331</b> | <b>0.1331</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.1331</b> |

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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|             | ROG     | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category    | tons/yr |        |        |             |               |              |            |                |               |             | MT/yr    |           |           |        |        |          |
| Mitigated   | 0.0838  | 0.4102 | 1.1631 | 4.6600e-003 | 0.4048        | 3.3000e-003  | 0.4081     | 0.1085         | 3.0700e-003   | 0.1115      | 0.0000   | 430.9420  | 430.9420  | 0.0194 | 0.0000 | 431.4265 |
| Unmitigated | 0.0838  | 0.4102 | 1.1631 | 4.6600e-003 | 0.4048        | 3.3000e-003  | 0.4081     | 0.1085         | 3.0700e-003   | 0.1115      | 0.0000   | 430.9420  | 430.9420  | 0.0194 | 0.0000 | 431.4265 |

4.2 Trip Summary Information

| Land Use                   | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------|-------------------------|----------|--------|-------------|------------|
|                            | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Other Non-Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Single Family Housing      | 314.16                  | 327.03   | 284.46 | 1,065,317   | 1,065,317  |
| Total                      | 314.16                  | 327.03   | 284.46 | 1,065,317   | 1,065,317  |

4.3 Trip Type Information

| Land Use                   | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                            | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Other Non-Asphalt Surfaces | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Single Family Housing      | 14.70      | 5.90       | 8.70        | 40.20      | 19.20      | 40.60       | 86             | 11       | 3       |

4.4 Fleet Mix

| Land Use                   | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Non-Asphalt Surfaces | 0.550151 | 0.042593 | 0.202457 | 0.116946 | 0.015037 | 0.005825 | 0.021699 | 0.034933 | 0.002123 | 0.001780 | 0.004876 | 0.000710 | 0.000868 |
| Single Family Housing      | 0.550151 | 0.042593 | 0.202457 | 0.116946 | 0.015037 | 0.005825 | 0.021699 | 0.034933 | 0.002123 | 0.001780 | 0.004876 | 0.000710 | 0.000868 |

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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

|                         | ROG         | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e    |
|-------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Category                | tons/yr     |        |        |             |               |              |             |                |               |             | MT/yr    |           |           |             |             |         |
| Electricity Mitigated   |             |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 91.6495   | 91.6495   | 3.7800e-003 | 7.8000e-004 | 91.9774 |
| Electricity Unmitigated |             |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 91.6495   | 91.6495   | 3.7800e-003 | 7.8000e-004 | 91.9774 |
| NaturalGas Mitigated    | 5.4400e-003 | 0.0465 | 0.0198 | 3.0000e-004 |               | 3.7600e-003  | 3.7600e-003 |                | 3.7600e-003   | 3.7600e-003 | 0.0000   | 53.8800   | 53.8800   | 1.0300e-003 | 9.9000e-004 | 54.2002 |
| NaturalGas Unmitigated  | 5.4400e-003 | 0.0465 | 0.0198 | 3.0000e-004 |               | 3.7600e-003  | 3.7600e-003 |                | 3.7600e-003   | 3.7600e-003 | 0.0000   | 53.8800   | 53.8800   | 1.0300e-003 | 9.9000e-004 | 54.2002 |



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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

|                            | NaturalGas Use | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use                   | kBTU/yr        | tons/yr            |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |                    |                |
| 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         |
| Single Family Housing      | 1.00967e+006   | 5.4400e-003        | 0.0465        | 0.0198        | 3.0000e-004        |               | 3.7600e-003        | 3.7600e-003        |                | 3.7600e-003        | 3.7600e-003        | 0.0000        | 53.8800        | 53.8800        | 1.0300e-003        | 9.9000e-004        | 54.2002        |
| <b>Total</b>               |                | <b>5.4400e-003</b> | <b>0.0465</b> | <b>0.0198</b> | <b>3.0000e-004</b> |               | <b>3.7600e-003</b> | <b>3.7600e-003</b> |                | <b>3.7600e-003</b> | <b>3.7600e-003</b> | <b>0.0000</b> | <b>53.8800</b> | <b>53.8800</b> | <b>1.0300e-003</b> | <b>9.9000e-004</b> | <b>54.2002</b> |

**Mitigated**

|                            | NaturalGas Use | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use                   | kBTU/yr        | tons/yr            |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |                    |                |
| 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         |
| Single Family Housing      | 1.00967e+006   | 5.4400e-003        | 0.0465        | 0.0198        | 3.0000e-004        |               | 3.7600e-003        | 3.7600e-003        |                | 3.7600e-003        | 3.7600e-003        | 0.0000        | 53.8800        | 53.8800        | 1.0300e-003        | 9.9000e-004        | 54.2002        |
| <b>Total</b>               |                | <b>5.4400e-003</b> | <b>0.0465</b> | <b>0.0198</b> | <b>3.0000e-004</b> |               | <b>3.7600e-003</b> | <b>3.7600e-003</b> |                | <b>3.7600e-003</b> | <b>3.7600e-003</b> | <b>0.0000</b> | <b>53.8800</b> | <b>53.8800</b> | <b>1.0300e-003</b> | <b>9.9000e-004</b> | <b>54.2002</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

|                            | Electricity Use | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use                   | kWh/yr          | MT/yr          |                    |                    |                |
| Other Non-Asphalt Surfaces | 0               | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Single Family Housing      | 287644          | 91.6495        | 3.7800e-003        | 7.8000e-004        | 91.9774        |
| <b>Total</b>               |                 | <b>91.6495</b> | <b>3.7800e-003</b> | <b>7.8000e-004</b> | <b>91.9774</b> |

**Mitigated**

|                            | Electricity Use | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use                   | kWh/yr          | MT/yr          |                    |                    |                |
| Other Non-Asphalt Surfaces | 0               | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Single Family Housing      | 287644          | 91.6495        | 3.7800e-003        | 7.8000e-004        | 91.9774        |
| <b>Total</b>               |                 | <b>91.6495</b> | <b>3.7800e-003</b> | <b>7.8000e-004</b> | <b>91.9774</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

|             | ROG     | NOx    | CO     | SO2         | Fugitive 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   | 0.3516  | 0.0125 | 0.5502 | 5.5000e-004 |               | 0.0334       | 0.0334     |                | 0.0334        | 0.0334      | 3.5052   | 7.2918    | 10.7970   | 0.0110 | 2.4000e-004 | 11.1426 |
| Unmitigated | 0.3516  | 0.0125 | 0.5502 | 5.5000e-004 |               | 0.0334       | 0.0334     |                | 0.0334        | 0.0334      | 3.5052   | 7.2918    | 10.7970   | 0.0110 | 2.4000e-004 | 11.1426 |

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 | 0.0186        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000             | 0.0000         |
| Consumer Products     | 0.2146        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000             | 0.0000         |
| Hearth                | 0.1081        | 8.5600e-003   | 0.2098        | 5.4000e-004        |               | 0.0315        | 0.0315        |                | 0.0315        | 0.0315        | 3.5052        | 6.7359        | 10.2411        | 0.0105        | 2.4000e-004        | 10.5733        |
| Landscaping           | 0.0103        | 3.9200e-003   | 0.3404        | 2.0000e-005        |               | 1.8800e-003   | 1.8800e-003   |                | 1.8800e-003   | 1.8800e-003   | 0.0000        | 0.5559        | 0.5559         | 5.3000e-004   | 0.0000             | 0.5693         |
| <b>Total</b>          | <b>0.3516</b> | <b>0.0125</b> | <b>0.5502</b> | <b>5.6000e-004</b> |               | <b>0.0334</b> | <b>0.0334</b> |                | <b>0.0334</b> | <b>0.0334</b> | <b>3.5052</b> | <b>7.2918</b> | <b>10.7970</b> | <b>0.0110</b> | <b>2.4000e-004</b> | <b>11.1426</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

**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 | 0.0186        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000             | 0.0000         |
| Consumer Products     | 0.2146        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000             | 0.0000         |
| Hearth                | 0.1081        | 8.5600e-003   | 0.2098        | 5.4000e-004        |               | 0.0315        | 0.0315        |                | 0.0315        | 0.0315        | 3.5052        | 6.7359        | 10.2411        | 0.0105        | 2.4000e-004        | 10.5733        |
| Landscaping           | 0.0103        | 3.9200e-003   | 0.3404        | 2.0000e-005        |               | 1.8800e-003   | 1.8800e-003   |                | 1.8800e-003   | 1.8800e-003   | 0.0000        | 0.5559        | 0.5559         | 5.3000e-004   | 0.0000             | 0.5693         |
| <b>Total</b>          | <b>0.3516</b> | <b>0.0125</b> | <b>0.5502</b> | <b>5.6000e-004</b> |               | <b>0.0334</b> | <b>0.0334</b> |                | <b>0.0334</b> | <b>0.0334</b> | <b>3.5052</b> | <b>7.2918</b> | <b>10.7970</b> | <b>0.0110</b> | <b>2.4000e-004</b> | <b>11.1426</b> |

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

|             | Total CO2 | CH4    | N2O         | CO2e    |
|-------------|-----------|--------|-------------|---------|
| Category    | MT/yr     |        |             |         |
| Mitigated   | 14.4006   | 0.0706 | 1.7700e-003 | 16.6942 |
| Unmitigated | 14.4006   | 0.0706 | 1.7700e-003 | 16.6942 |

**7.2 Water by Land Use**

**Unmitigated**

|                            | Indoor/Outdoor Use | Total CO2      | CH4           | N2O                | CO2e           |
|----------------------------|--------------------|----------------|---------------|--------------------|----------------|
| Land Use                   | Mgal               | MT/yr          |               |                    |                |
| Other Non-Asphalt Surfaces | 0 / 0              | 0.0000         | 0.0000        | 0.0000             | 0.0000         |
| Single Family Housing      | 2.15008 / 1.35549  | 14.4006        | 0.0706        | 1.7700e-003        | 16.6942        |
| <b>Total</b>               |                    | <b>14.4006</b> | <b>0.0706</b> | <b>1.7700e-003</b> | <b>16.6942</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

**7.2 Water by Land Use**

**Mitigated**

|                            | Indoor/Outdoor Use | Total CO2      | CH4           | N2O                | CO2e           |
|----------------------------|--------------------|----------------|---------------|--------------------|----------------|
| Land Use                   | Mgal               | MT/yr          |               |                    |                |
| Other Non-Asphalt Surfaces | 0 / 0              | 0.0000         | 0.0000        | 0.0000             | 0.0000         |
| Single Family Housing      | 2.15008 / 1.35549  | 14.4006        | 0.0706        | 1.7700e-003        | 16.6942        |
| <b>Total</b>               |                    | <b>14.4006</b> | <b>0.0706</b> | <b>1.7700e-003</b> | <b>16.6942</b> |

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

|             | Total CO2 | CH4    | N2O    | CO2e    |
|-------------|-----------|--------|--------|---------|
|             | MT/yr     |        |        |         |
| Mitigated   | 7.8233    | 0.4623 | 0.0000 | 19.3818 |
| Unmitigated | 7.8233    | 0.4623 | 0.0000 | 19.3818 |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

**8.2 Waste by Land Use**

**Unmitigated**

|                            | Waste Disposed | Total CO2     | CH4           | N2O           | CO2e           |
|----------------------------|----------------|---------------|---------------|---------------|----------------|
| Land Use                   | tons           | MT/yr         |               |               |                |
| Other Non-Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000         |
| Single Family Housing      | 38.54          | 7.8233        | 0.4623        | 0.0000        | 19.3818        |
| <b>Total</b>               |                | <b>7.8233</b> | <b>0.4623</b> | <b>0.0000</b> | <b>19.3818</b> |

**Mitigated**

|                            | Waste Disposed | Total CO2     | CH4           | N2O           | CO2e           |
|----------------------------|----------------|---------------|---------------|---------------|----------------|
| Land Use                   | tons           | MT/yr         |               |               |                |
| Other Non-Asphalt Surfaces | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000         |
| Single Family Housing      | 38.54          | 7.8233        | 0.4623        | 0.0000        | 19.3818        |
| <b>Total</b>               |                | <b>7.8233</b> | <b>0.4623</b> | <b>0.0000</b> | <b>19.3818</b> |

**9.0 Operational Offroad**

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

## Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Annual

**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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Offt Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**Offt Family Equipment Storage Yard (Residential)**  
**South Coast AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                  | Size  | Metric        | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|---------------|-------------|--------------------|------------|
| Single Family Housing      | 33.00 | Dwelling Unit | 3.28        | 59,400.00          | 94         |
| Other Non-Asphalt Surfaces | 0.00  | Acre          | 4.82        | 0.00               | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 31    |
| <b>Climate Zone</b>             | 10                         | <b>Operational Year</b>         | 2023  |                                  |       |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 702.44                     | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

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

Project Characteristics -

Land Use - Per San Bernardino County Development Code, Table 82-9A: Residential Land Use Zoning District Development Standards for RS (Single Residential).

| Table Name | Column Name | Default Value | New Value |
|------------|-------------|---------------|-----------|
| tblLandUse | LotAcreage  | 10.71         | 3.28      |
| tblLandUse | LotAcreage  | 0.00          | 4.82      |

**2.0 Emissions Summary**

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**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        |                   |                   |               |               |                   |
| 2021           | 3.9642         | 40.5464        | 22.1301        | 0.0405        | 18.2675        | 2.0459        | 20.3134        | 9.9840         | 1.8823        | 11.8663        | 0.0000        | 3,914.0554        | 3,914.0554        | 1.1974        | 0.0000        | 3,940.5395        |
| 2022           | 18.7965        | 20.8922        | 16.8670        | 0.0313        | 6.7200         | 0.9420        | 7.6621         | 3.4120         | 0.8667        | 4.2786         | 0.0000        | 3,032.2050        | 3,032.2050        | 0.9329        | 0.0000        | 3,055.5279        |
| 2023           | 18.7831        | 1.3075         | 1.8755         | 3.1800e-003   | 0.0224         | 0.0710        | 0.0933         | 5.9300e-003    | 0.0710        | 0.0769         | 0.0000        | 302.0067          | 302.0067          | 0.0173        | 0.0000        | 302.4398          |
| <b>Maximum</b> | <b>18.7965</b> | <b>40.5464</b> | <b>22.1301</b> | <b>0.0405</b> | <b>18.2675</b> | <b>2.0459</b> | <b>20.3134</b> | <b>9.9840</b>  | <b>1.8823</b> | <b>11.8663</b> | <b>0.0000</b> | <b>3,914.0554</b> | <b>3,914.0554</b> | <b>1.1974</b> | <b>0.0000</b> | <b>3,940.5395</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        |                   |                   |               |               |                   |
| 2021           | 3.9642         | 40.5464        | 22.1301        | 0.0405        | 18.2675        | 2.0459        | 20.3134        | 9.9840         | 1.8823        | 11.8663        | 0.0000        | 3,914.0554        | 3,914.0554        | 1.1974        | 0.0000        | 3,940.5395        |
| 2022           | 18.7965        | 20.8922        | 16.8670        | 0.0313        | 6.7200         | 0.9420        | 7.6621         | 3.4120         | 0.8667        | 4.2786         | 0.0000        | 3,032.2050        | 3,032.2050        | 0.9329        | 0.0000        | 3,055.5279        |
| 2023           | 18.7831        | 1.3075         | 1.8755         | 3.1800e-003   | 0.0224         | 0.0710        | 0.0933         | 5.9300e-003    | 0.0710        | 0.0769         | 0.0000        | 302.0067          | 302.0067          | 0.0173        | 0.0000        | 302.4398          |
| <b>Maximum</b> | <b>18.7965</b> | <b>40.5464</b> | <b>22.1301</b> | <b>0.0405</b> | <b>18.2675</b> | <b>2.0459</b> | <b>20.3134</b> | <b>9.9840</b>  | <b>1.8823</b> | <b>11.8663</b> | <b>0.0000</b> | <b>3,914.0554</b> | <b>3,914.0554</b> | <b>1.1974</b> | <b>0.0000</b> | <b>3,940.5395</b> |



Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

|              | ROG            | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2        | NBio- CO2         | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day         |               |                |               |               |               |               |                |               |               | lb/day          |                   |                   |               |               |                   |
| Area         | 10.0072        | 0.7161        | 19.5054        | 0.0430        |               | 2.5359        | 2.5359        |                | 2.5359        | 2.5359        | 309.1083        | 598.9022          | 908.0105          | 0.9265        | 0.0210        | 937.4260          |
| Energy       | 0.0298         | 0.2549        | 0.1085         | 1.6300e-003   |               | 0.0206        | 0.0206        |                | 0.0206        | 0.0206        |                 | 325.4385          | 325.4385          | 6.2400e-003   | 5.9700e-003   | 327.3724          |
| Mobile       | 0.5206         | 2.2792        | 7.0749         | 0.0280        | 2.3762        | 0.0190        | 2.3952        | 0.6358         | 0.0177        | 0.6534        |                 | 2,848.2512        | 2,848.2512        | 0.1242        |               | 2,851.3551        |
| <b>Total</b> | <b>10.5577</b> | <b>3.2502</b> | <b>26.6888</b> | <b>0.0726</b> | <b>2.3762</b> | <b>2.5755</b> | <b>4.9517</b> | <b>0.6358</b>  | <b>2.5742</b> | <b>3.2099</b> | <b>309.1083</b> | <b>3,772.5919</b> | <b>4,081.7002</b> | <b>1.0569</b> | <b>0.0270</b> | <b>4,116.1535</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         | 10.0072        | 0.7161        | 19.5054        | 0.0430        |               | 2.5359        | 2.5359        |                | 2.5359        | 2.5359        | 309.1083        | 598.9022          | 908.0105          | 0.9265        | 0.0210        | 937.4260          |
| Energy       | 0.0298         | 0.2549        | 0.1085         | 1.6300e-003   |               | 0.0206        | 0.0206        |                | 0.0206        | 0.0206        |                 | 325.4385          | 325.4385          | 6.2400e-003   | 5.9700e-003   | 327.3724          |
| Mobile       | 0.5206         | 2.2792        | 7.0749         | 0.0280        | 2.3762        | 0.0190        | 2.3952        | 0.6358         | 0.0177        | 0.6534        |                 | 2,848.2512        | 2,848.2512        | 0.1242        |               | 2,851.3551        |
| <b>Total</b> | <b>10.5577</b> | <b>3.2502</b> | <b>26.6888</b> | <b>0.0726</b> | <b>2.3762</b> | <b>2.5755</b> | <b>4.9517</b> | <b>0.6358</b>  | <b>2.5742</b> | <b>3.2099</b> | <b>309.1083</b> | <b>3,772.5919</b> | <b>4,081.7002</b> | <b>1.0569</b> | <b>0.0270</b> | <b>4,116.1535</b> |

## Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

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

### 3.0 Construction Detail

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#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 11/1/2021  | 11/26/2021 | 5             | 20       |                   |
| 2            | Site Preparation      | Site Preparation      | 11/27/2021 | 12/10/2021 | 5             | 10       |                   |
| 3            | Grading               | Grading               | 12/11/2021 | 1/7/2022   | 5             | 20       |                   |
| 4            | Building Construction | Building Construction | 1/8/2022   | 11/25/2022 | 5             | 230      |                   |
| 5            | Paving                | Paving                | 11/26/2022 | 12/23/2022 | 5             | 20       |                   |
| 6            | Architectural Coating | Architectural Coating | 12/24/2022 | 1/20/2023  | 5             | 20       |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 4.82

Residential Indoor: 120,285; Residential Outdoor: 40,095; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| 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        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |

**Trips and VMT**

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 12.00              | 4.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 2.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

**3.2 Demolition - 2021**

**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     | 3.1651        | 31.4407        | 21.5650        | 0.0388        |               | 1.5513        | 1.5513        |                | 1.4411        | 1.4411        |          | 3,747.9449        | 3,747.9449        | 1.0549        |     | 3,774.3174        |
| <b>Total</b> | <b>3.1651</b> | <b>31.4407</b> | <b>21.5650</b> | <b>0.0388</b> |               | <b>1.5513</b> | <b>1.5513</b> |                | <b>1.4411</b> | <b>1.4411</b> |          | <b>3,747.9449</b> | <b>3,747.9449</b> | <b>1.0549</b> |     | <b>3,774.3174</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.2 Demolition - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0633        | 0.0411        | 0.5651        | 1.6700e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 166.1105        | 166.1105        | 4.4700e-003        |     | 166.2222        |
| <b>Total</b> | <b>0.0633</b> | <b>0.0411</b> | <b>0.5651</b> | <b>1.6700e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>166.1105</b> | <b>166.1105</b> | <b>4.4700e-003</b> |     | <b>166.2222</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 3.1651        | 31.4407        | 21.5650        | 0.0388        |               | 1.5513        | 1.5513        |                | 1.4411        | 1.4411        | 0.0000        | 3,747.9449        | 3,747.9449        | 1.0549        |     | 3,774.3174        |
| <b>Total</b> | <b>3.1651</b> | <b>31.4407</b> | <b>21.5650</b> | <b>0.0388</b> |               | <b>1.5513</b> | <b>1.5513</b> |                | <b>1.4411</b> | <b>1.4411</b> | <b>0.0000</b> | <b>3,747.9449</b> | <b>3,747.9449</b> | <b>1.0549</b> |     | <b>3,774.3174</b> |



Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.2 Demolition - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0633        | 0.0411        | 0.5651        | 1.6700e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 166.1105        | 166.1105        | 4.4700e-003        |     | 166.2222        |
| <b>Total</b> | <b>0.0633</b> | <b>0.0411</b> | <b>0.5651</b> | <b>1.6700e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>166.1105</b> | <b>166.1105</b> | <b>4.4700e-003</b> |     | <b>166.2222</b> |

**3.3 Site Preparation - 2021**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         |          | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715.4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> |          | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.3 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0760        | 0.0493        | 0.6781        | 2.0000e-003        | 0.2012        | 1.4800e-003        | 0.2027        | 0.0534         | 1.3600e-003        | 0.0547        |          | 199.3326        | 199.3326        | 5.3600e-003        |     | 199.4666        |
| <b>Total</b> | <b>0.0760</b> | <b>0.0493</b> | <b>0.6781</b> | <b>2.0000e-003</b> | <b>0.2012</b> | <b>1.4800e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3600e-003</b> | <b>0.0547</b> |          | <b>199.3326</b> | <b>199.3326</b> | <b>5.3600e-003</b> |     | <b>199.4666</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         | 0.0000        | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715.4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> | <b>0.0000</b> | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.3 Site Preparation - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0760        | 0.0493        | 0.6781        | 2.0000e-003        | 0.2012        | 1.4800e-003        | 0.2027        | 0.0534         | 1.3600e-003        | 0.0547        |          | 199.3326        | 199.3326        | 5.3600e-003        |     | 199.4666        |
| <b>Total</b> | <b>0.0760</b> | <b>0.0493</b> | <b>0.6781</b> | <b>2.0000e-003</b> | <b>0.2012</b> | <b>1.4800e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3600e-003</b> | <b>0.0547</b> |          | <b>199.3326</b> | <b>199.3326</b> | <b>5.3600e-003</b> |     | <b>199.4666</b> |

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.2903        | 24.7367        | 15.8575        | 0.0296        |               | 1.1599        | 1.1599        |                | 1.0671        | 1.0671        |          | 2,871.9285        | 2,871.9285        | 0.9288        |     | 2,895.1495        |
| <b>Total</b>  | <b>2.2903</b> | <b>24.7367</b> | <b>15.8575</b> | <b>0.0296</b> | <b>6.5523</b> | <b>1.1599</b> | <b>7.7123</b> | <b>3.3675</b>  | <b>1.0671</b> | <b>4.4346</b> |          | <b>2,871.9285</b> | <b>2,871.9285</b> | <b>0.9288</b> |     | <b>2,895.1495</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0633        | 0.0411        | 0.5651        | 1.6700e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 166.1105        | 166.1105        | 4.4700e-003        |     | 166.2222        |
| <b>Total</b> | <b>0.0633</b> | <b>0.0411</b> | <b>0.5651</b> | <b>1.6700e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>166.1105</b> | <b>166.1105</b> | <b>4.4700e-003</b> |     | <b>166.2222</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.2903        | 24.7367        | 15.8575        | 0.0296        |               | 1.1599        | 1.1599        |                | 1.0671        | 1.0671        | 0.0000        | 2,871.9285        | 2,871.9285        | 0.9288        |     | 2,895,1495        |
| <b>Total</b>  | <b>2.2903</b> | <b>24.7367</b> | <b>15.8575</b> | <b>0.0296</b> | <b>6.5523</b> | <b>1.1599</b> | <b>7.7123</b> | <b>3.3675</b>  | <b>1.0671</b> | <b>4.4346</b> | <b>0.0000</b> | <b>2,871.9285</b> | <b>2,871.9285</b> | <b>0.9288</b> |     | <b>2,895,1495</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0633        | 0.0411        | 0.5651        | 1.6700e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 166.1105        | 166.1105        | 4.4700e-003        |     | 166.2222        |
| <b>Total</b> | <b>0.0633</b> | <b>0.0411</b> | <b>0.5651</b> | <b>1.6700e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>166.1105</b> | <b>166.1105</b> | <b>4.4700e-003</b> |     | <b>166.2222</b> |

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        |          | 2,872.0464        | 2,872.0464        | 0.9289        |     | 2,895.2684        |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>6.5523</b> | <b>0.9409</b> | <b>7.4932</b> | <b>3.3675</b>  | <b>0.8656</b> | <b>4.2331</b> |          | <b>2,872.0464</b> | <b>2,872.0464</b> | <b>0.9289</b> |     | <b>2,895.2684</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.4 Grading - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0594        | 0.0371        | 0.5225        | 1.6100e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 160.1586        | 160.1586        | 4.0400e-003        |     | 160.2595        |
| <b>Total</b> | <b>0.0594</b> | <b>0.0371</b> | <b>0.5225</b> | <b>1.6100e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>160.1586</b> | <b>160.1586</b> | <b>4.0400e-003</b> |     | <b>160.2595</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        | 0.0000        | 2,872.0464        | 2,872.0464        | 0.9289        |     | 2,895.2684        |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>6.5523</b> | <b>0.9409</b> | <b>7.4932</b> | <b>3.3675</b>  | <b>0.8656</b> | <b>4.2331</b> | <b>0.0000</b> | <b>2,872.0464</b> | <b>2,872.0464</b> | <b>0.9289</b> |     | <b>2,895.2684</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.4 Grading - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0594        | 0.0371        | 0.5225        | 1.6100e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 160.1586        | 160.1586        | 4.0400e-003        |     | 160.2595        |
| <b>Total</b> | <b>0.0594</b> | <b>0.0371</b> | <b>0.5225</b> | <b>1.6100e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>160.1586</b> | <b>160.1586</b> | <b>4.0400e-003</b> |     | <b>160.2595</b> |

**3.5 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> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0104        | 0.3621        | 0.0856        | 1.0100e-003        | 0.0256        | 6.7000e-004        | 0.0263        | 7.3700e-003    | 6.4000e-004        | 8.0100e-003   |          | 108.0237        | 108.0237        | 6.3500e-003        |     | 108.1823        |
| Worker       | 0.0475        | 0.0297        | 0.4180        | 1.2900e-003        | 0.1341        | 9.6000e-004        | 0.1351        | 0.0356         | 8.8000e-004        | 0.0365        |          | 128.1269        | 128.1269        | 3.2300e-003        |     | 128.2076        |
| <b>Total</b> | <b>0.0580</b> | <b>0.3918</b> | <b>0.5036</b> | <b>2.3000e-003</b> | <b>0.1597</b> | <b>1.6300e-003</b> | <b>0.1614</b> | <b>0.0429</b>  | <b>1.5200e-003</b> | <b>0.0445</b> |          | <b>236.1505</b> | <b>236.1505</b> | <b>9.5800e-003</b> |     | <b>236.3899</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 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> |



Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0104        | 0.3621        | 0.0856        | 1.0100e-003        | 0.0256        | 6.7000e-004        | 0.0263        | 7.3700e-003    | 6.4000e-004        | 8.0100e-003   |          | 108.0237        | 108.0237        | 6.3500e-003        |     | 108.1823        |
| Worker       | 0.0475        | 0.0297        | 0.4180        | 1.2900e-003        | 0.1341        | 9.6000e-004        | 0.1351        | 0.0356         | 8.8000e-004        | 0.0365        |          | 128.1269        | 128.1269        | 3.2300e-003        |     | 128.2076        |
| <b>Total</b> | <b>0.0580</b> | <b>0.3918</b> | <b>0.5036</b> | <b>2.3000e-003</b> | <b>0.1597</b> | <b>1.6300e-003</b> | <b>0.1614</b> | <b>0.0429</b>  | <b>1.5200e-003</b> | <b>0.0445</b> |          | <b>236.1505</b> | <b>236.1505</b> | <b>9.5800e-003</b> |     | <b>236.3899</b> |

**3.6 Paving - 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     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        |          | 2,207.6603        | 2,207.6603        | 0.7140        |     | 2,225.5104        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1028</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> |          | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |     | <b>2,225.5104</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0594        | 0.0371        | 0.5225        | 1.6100e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 160.1586        | 160.1586        | 4.0400e-003        |     | 160.2595        |
| <b>Total</b> | <b>0.0594</b> | <b>0.0371</b> | <b>0.5225</b> | <b>1.6100e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>160.1586</b> | <b>160.1586</b> | <b>4.0400e-003</b> |     | <b>160.2595</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        | 0.0000        | 2,207.6603        | 2,207.6603        | 0.7140        |     | 2,225.5104        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1028</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> | <b>0.0000</b> | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |     | <b>2,225.5104</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0594        | 0.0371        | 0.5225        | 1.6100e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 160.1586        | 160.1586        | 4.0400e-003        |     | 160.2595        |
| <b>Total</b> | <b>0.0594</b> | <b>0.0371</b> | <b>0.5225</b> | <b>1.6100e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>160.1586</b> | <b>160.1586</b> | <b>4.0400e-003</b> |     | <b>160.2595</b> |

**3.7 Architectural Coating - 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   |                 |                 |               |     |                 |
| Archit. Coating | 18.5840        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045         | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        |          | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>18.7886</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.7 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day             |                    |               |                    |               |                    |               |                    |                    |                    | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 7.9200e-003        | 4.9500e-003        | 0.0697        | 2.1000e-004        | 0.0224        | 1.6000e-004        | 0.0225        | 5.9300e-003        | 1.5000e-004        | 6.0800e-003        |          | 21.3545        | 21.3545        | 5.4000e-004        |     | 21.3679        |
| <b>Total</b> | <b>7.9200e-003</b> | <b>4.9500e-003</b> | <b>0.0697</b> | <b>2.1000e-004</b> | <b>0.0224</b> | <b>1.6000e-004</b> | <b>0.0225</b> | <b>5.9300e-003</b> | <b>1.5000e-004</b> | <b>6.0800e-003</b> |          | <b>21.3545</b> | <b>21.3545</b> | <b>5.4000e-004</b> |     | <b>21.3679</b> |

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 18.5840        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045         | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        | 0.0000        | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>18.7886</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.7 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day             |                    |               |                    |               |                    |               |                    |                    |                    | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 7.9200e-003        | 4.9500e-003        | 0.0697        | 2.1000e-004        | 0.0224        | 1.6000e-004        | 0.0225        | 5.9300e-003        | 1.5000e-004        | 6.0800e-003        |          | 21.3545        | 21.3545        | 5.4000e-004        |     | 21.3679        |
| <b>Total</b> | <b>7.9200e-003</b> | <b>4.9500e-003</b> | <b>0.0697</b> | <b>2.1000e-004</b> | <b>0.0224</b> | <b>1.6000e-004</b> | <b>0.0225</b> | <b>5.9300e-003</b> | <b>1.5000e-004</b> | <b>6.0800e-003</b> |          | <b>21.3545</b> | <b>21.3545</b> | <b>5.4000e-004</b> |     | <b>21.3679</b> |

**3.7 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 | 18.5840        |               |               |                    |               | 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>18.7757</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> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.7 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day             |                    |               |                    |               |                    |               |                    |                    |                    | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 7.4500e-003        | 4.4800e-003        | 0.0643        | 2.1000e-004        | 0.0224        | 1.6000e-004        | 0.0225        | 5.9300e-003        | 1.4000e-004        | 6.0700e-003        |          | 20.5586        | 20.5586        | 4.9000e-004        |     | 20.5707        |
| <b>Total</b> | <b>7.4500e-003</b> | <b>4.4800e-003</b> | <b>0.0643</b> | <b>2.1000e-004</b> | <b>0.0224</b> | <b>1.6000e-004</b> | <b>0.0225</b> | <b>5.9300e-003</b> | <b>1.4000e-004</b> | <b>6.0700e-003</b> |          | <b>20.5586</b> | <b>20.5586</b> | <b>4.9000e-004</b> |     | <b>20.5707</b> |

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 18.5840        |               |               |                    |               | 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>18.7757</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> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**3.7 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day             |                    |               |                    |               |                    |               |                    |                    |                    | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 7.4500e-003        | 4.4800e-003        | 0.0643        | 2.1000e-004        | 0.0224        | 1.6000e-004        | 0.0225        | 5.9300e-003        | 1.4000e-004        | 6.0700e-003        |          | 20.5586        | 20.5586        | 4.9000e-004        |     | 20.5707        |
| <b>Total</b> | <b>7.4500e-003</b> | <b>4.4800e-003</b> | <b>0.0643</b> | <b>2.1000e-004</b> | <b>0.0224</b> | <b>1.6000e-004</b> | <b>0.0225</b> | <b>5.9300e-003</b> | <b>1.4000e-004</b> | <b>6.0700e-003</b> |          | <b>20.5586</b> | <b>20.5586</b> | <b>4.9000e-004</b> |     | <b>20.5707</b> |

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

|             | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2      | Total CO2      | CH4    | N2O | CO2e           |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------------|----------------|--------|-----|----------------|
| Category    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |                |                |        |     |                |
| Mitigated   | 0.5206 | 2.2792 | 7.0749 | 0.0280 | 2.3762        | 0.0190       | 2.3952     | 0.6358         | 0.0177        | 0.6534      |          | 2,848.251<br>2 | 2,848.251<br>2 | 0.1242 |     | 2,851.355<br>1 |
| Unmitigated | 0.5206 | 2.2792 | 7.0749 | 0.0280 | 2.3762        | 0.0190       | 2.3952     | 0.6358         | 0.0177        | 0.6534      |          | 2,848.251<br>2 | 2,848.251<br>2 | 0.1242 |     | 2,851.355<br>1 |

4.2 Trip Summary Information

| Land Use                   | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------|-------------------------|----------|--------|-------------|------------|
|                            | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Other Non-Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Single Family Housing      | 314.16                  | 327.03   | 284.46 | 1,065,317   | 1,065,317  |
| Total                      | 314.16                  | 327.03   | 284.46 | 1,065,317   | 1,065,317  |

4.3 Trip Type Information

| Land Use                   | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                            | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Other Non-Asphalt Surfaces | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Single Family Housing      | 14.70      | 5.90       | 8.70        | 40.20      | 19.20      | 40.60       | 86             | 11       | 3       |

4.4 Fleet Mix

| Land Use                   | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Non-Asphalt Surfaces | 0.550151 | 0.042593 | 0.202457 | 0.116946 | 0.015037 | 0.005825 | 0.021699 | 0.034933 | 0.002123 | 0.001780 | 0.004876 | 0.000710 | 0.000868 |
| Single Family Housing      | 0.550151 | 0.042593 | 0.202457 | 0.116946 | 0.015037 | 0.005825 | 0.021699 | 0.034933 | 0.002123 | 0.001780 | 0.004876 | 0.000710 | 0.000868 |



Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

|                        | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e     |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category               | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |           |           |             |             |          |
| NaturalGas Mitigated   | 0.0298 | 0.2549 | 0.1085 | 1.6300e-003 |               | 0.0206       | 0.0206     |                | 0.0206        | 0.0206      |          | 325.4385  | 325.4385  | 6.2400e-003 | 5.9700e-003 | 327.3724 |
| NaturalGas Unmitigated | 0.0298 | 0.2549 | 0.1085 | 1.6300e-003 |               | 0.0206       | 0.0206     |                | 0.0206        | 0.0206      |          | 325.4385  | 325.4385  | 6.2400e-003 | 5.9700e-003 | 327.3724 |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**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   |                 |                 |                    |                    |                 |
| 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          |
| Single Family Housing      | 2766.23        | 0.0298        | 0.2549        | 0.1085        | 1.6300e-003        |               | 0.0206        | 0.0206        |                | 0.0206        | 0.0206        |          | 325.4385        | 325.4385        | 6.2400e-003        | 5.9700e-003        | 327.3724        |
| <b>Total</b>               |                | <b>0.0298</b> | <b>0.2549</b> | <b>0.1085</b> | <b>1.6300e-003</b> |               | <b>0.0206</b> | <b>0.0206</b> |                | <b>0.0206</b> | <b>0.0206</b> |          | <b>325.4385</b> | <b>325.4385</b> | <b>6.2400e-003</b> | <b>5.9700e-003</b> | <b>327.3724</b> |

**Mitigated**

|                            | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|----------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use                   | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |                    |                    |                 |
| 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          |
| Single Family Housing      | 2.76623        | 0.0298        | 0.2549        | 0.1085        | 1.6300e-003        |               | 0.0206        | 0.0206        |                | 0.0206        | 0.0206        |          | 325.4385        | 325.4385        | 6.2400e-003        | 5.9700e-003        | 327.3724        |
| <b>Total</b>               |                | <b>0.0298</b> | <b>0.2549</b> | <b>0.1085</b> | <b>1.6300e-003</b> |               | <b>0.0206</b> | <b>0.0206</b> |                | <b>0.0206</b> | <b>0.0206</b> |          | <b>325.4385</b> | <b>325.4385</b> | <b>6.2400e-003</b> | <b>5.9700e-003</b> | <b>327.3724</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

|             | ROG     | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|---------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category    | lb/day  |        |         |        |               |              |            |                |               |             | lb/day   |           |           |        |        |          |
| Mitigated   | 10.0072 | 0.7161 | 19.5054 | 0.0430 |               | 2.5359       | 2.5359     |                | 2.5359        | 2.5359      | 309.1083 | 598.9022  | 908.0105  | 0.9265 | 0.0210 | 937.4260 |
| Unmitigated | 10.0072 | 0.7161 | 19.5054 | 0.0430 |               | 2.5359       | 2.5359     |                | 2.5359        | 2.5359      | 309.1083 | 598.9022  | 908.0105  | 0.9265 | 0.0210 | 937.4260 |

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 | 0.1018         |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |                 |                 | 0.0000          |               |               | 0.0000          |
| Consumer Products     | 1.1761         |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |                 |                 | 0.0000          |               |               | 0.0000          |
| Hearth                | 8.6472         | 0.6847        | 16.7822        | 0.0428        |               | 2.5208        | 2.5208        |                | 2.5208        | 2.5208        | 309.1083        | 594.0000        | 903.1083        | 0.9218        | 0.0210        | 932.4059        |
| Landscaping           | 0.0820         | 0.0314        | 2.7232         | 1.4000e-004   |               | 0.0151        | 0.0151        |                | 0.0151        | 0.0151        |                 | 4.9022          | 4.9022          | 4.7100e-003   |               | 5.0201          |
| <b>Total</b>          | <b>10.0072</b> | <b>0.7161</b> | <b>19.5054</b> | <b>0.0430</b> |               | <b>2.5359</b> | <b>2.5359</b> |                | <b>2.5359</b> | <b>2.5359</b> | <b>309.1083</b> | <b>598.9022</b> | <b>908.0105</b> | <b>0.9265</b> | <b>0.0210</b> | <b>937.4260</b> |

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**6.2 Area by SubCategory**

**Mitigated**

|                       | ROG            | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2        | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|-----------------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-----------------|-----------------|---------------|---------------|-----------------|
| SubCategory           | lb/day         |               |                |               |               |               |               |                |               |               | lb/day          |                 |                 |               |               |                 |
| Architectural Coating | 0.1018         |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |                 |                 | 0.0000          |               |               | 0.0000          |
| Consumer Products     | 1.1761         |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |                 |                 | 0.0000          |               |               | 0.0000          |
| Hearth                | 8.6472         | 0.6847        | 16.7822        | 0.0428        |               | 2.5208        | 2.5208        |                | 2.5208        | 2.5208        | 309.1083        | 594.0000        | 903.1083        | 0.9218        | 0.0210        | 932.4059        |
| Landscaping           | 0.0820         | 0.0314        | 2.7232         | 1.4000e-004   |               | 0.0151        | 0.0151        |                | 0.0151        | 0.0151        |                 | 4.9022          | 4.9022          | 4.7100e-003   |               | 5.0201          |
| <b>Total</b>          | <b>10.0072</b> | <b>0.7161</b> | <b>19.5054</b> | <b>0.0430</b> |               | <b>2.5359</b> | <b>2.5359</b> |                | <b>2.5359</b> | <b>2.5359</b> | <b>309.1083</b> | <b>598.9022</b> | <b>908.0105</b> | <b>0.9265</b> | <b>0.0210</b> | <b>937.4260</b> |

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

Off Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Summer

**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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Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**Oft Family Equipment Storage Yard (Residential)**  
**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                  | Size  | Metric        | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|---------------|-------------|--------------------|------------|
| Single Family Housing      | 33.00 | Dwelling Unit | 3.28        | 59,400.00          | 94         |
| Other Non-Asphalt Surfaces | 0.00  | Acre          | 4.82        | 0.00               | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 31    |
| <b>Climate Zone</b>             | 10                         | <b>Operational Year</b>         | 2023  |                                  |       |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 702.44                     | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

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

Project Characteristics -

Land Use - Per San Bernardino County Development Code, Table 82-9A: Residential Land Use Zoning District Development Standards for RS (Single Residential).

| Table Name | Column Name | Default Value | New Value |
|------------|-------------|---------------|-----------|
| tblLandUse | LotAcreage  | 10.71         | 3.28      |
| tblLandUse | LotAcreage  | 0.00          | 4.82      |

**2.0 Emissions Summary**

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**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        |                        |                        |               |               |                        |
| 2021           | 3.9712         | 40.5510        | 22.0728        | 0.0404        | 18.2675        | 2.0459        | 20.3134        | 9.9840         | 1.8823        | 11.8663        | 0.0000        | 3,903.295<br>1         | 3,903.295<br>1         | 1.1970        | 0.0000        | 3,929.771<br>6         |
| 2022           | 18.7972        | 20.8957        | 16.8342        | 0.0312        | 6.7200         | 0.9420        | 7.6621         | 3.4120         | 0.8667        | 4.2786         | 0.0000        | 3,021.826<br>9         | 3,021.826<br>9         | 0.9326        | 0.0000        | 3,045.142<br>8         |
| 2023           | 18.7839        | 1.3079         | 1.8687         | 3.1600e-003   | 0.0224         | 0.0710        | 0.0933         | 5.9300e-003    | 0.0710        | 0.0769         | 0.0000        | 300.6740               | 300.6740               | 0.0173        | 0.0000        | 301.1062               |
| <b>Maximum</b> | <b>18.7972</b> | <b>40.5510</b> | <b>22.0728</b> | <b>0.0404</b> | <b>18.2675</b> | <b>2.0459</b> | <b>20.3134</b> | <b>9.9840</b>  | <b>1.8823</b> | <b>11.8663</b> | <b>0.0000</b> | <b>3,903.295<br/>1</b> | <b>3,903.295<br/>1</b> | <b>1.1970</b> | <b>0.0000</b> | <b>3,929.771<br/>6</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        |                        |                        |               |               |                        |
| 2021           | 3.9712         | 40.5510        | 22.0728        | 0.0404        | 18.2675        | 2.0459        | 20.3134        | 9.9840         | 1.8823        | 11.8663        | 0.0000        | 3,903.295<br>1         | 3,903.295<br>1         | 1.1970        | 0.0000        | 3,929.771<br>6         |
| 2022           | 18.7972        | 20.8957        | 16.8342        | 0.0312        | 6.7200         | 0.9420        | 7.6621         | 3.4120         | 0.8667        | 4.2786         | 0.0000        | 3,021.826<br>9         | 3,021.826<br>9         | 0.9326        | 0.0000        | 3,045.142<br>8         |
| 2023           | 18.7839        | 1.3079         | 1.8687         | 3.1600e-003   | 0.0224         | 0.0710        | 0.0933         | 5.9300e-003    | 0.0710        | 0.0769         | 0.0000        | 300.6740               | 300.6740               | 0.0173        | 0.0000        | 301.1062               |
| <b>Maximum</b> | <b>18.7972</b> | <b>40.5510</b> | <b>22.0728</b> | <b>0.0404</b> | <b>18.2675</b> | <b>2.0459</b> | <b>20.3134</b> | <b>9.9840</b>  | <b>1.8823</b> | <b>11.8663</b> | <b>0.0000</b> | <b>3,903.295<br/>1</b> | <b>3,903.295<br/>1</b> | <b>1.1970</b> | <b>0.0000</b> | <b>3,929.771<br/>6</b> |





Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**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         | 10.0072        | 0.7161        | 19.5054        | 0.0430        |               | 2.5359        | 2.5359        |                | 2.5359        | 2.5359        | 309.1083        | 598.9022          | 908.0105          | 0.9265        | 0.0210        | 937.4260          |
| Energy       | 0.0298         | 0.2549        | 0.1085         | 1.6300e-003   |               | 0.0206        | 0.0206        |                | 0.0206        | 0.0206        |                 | 325.4385          | 325.4385          | 6.2400e-003   | 5.9700e-003   | 327.3724          |
| Mobile       | 0.4931         | 2.3249        | 6.5876         | 0.0265        | 2.3762        | 0.0191        | 2.3953        | 0.6358         | 0.0177        | 0.6535        |                 | 2,698.6365        | 2,698.6365        | 0.1238        |               | 2,701.7310        |
| <b>Total</b> | <b>10.5302</b> | <b>3.2959</b> | <b>26.2015</b> | <b>0.0711</b> | <b>2.3762</b> | <b>2.5756</b> | <b>4.9518</b> | <b>0.6358</b>  | <b>2.5742</b> | <b>3.2100</b> | <b>309.1083</b> | <b>3,622.9772</b> | <b>3,932.0855</b> | <b>1.0566</b> | <b>0.0270</b> | <b>3,966.5293</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         | 10.0072        | 0.7161        | 19.5054        | 0.0430        |               | 2.5359        | 2.5359        |                | 2.5359        | 2.5359        | 309.1083        | 598.9022          | 908.0105          | 0.9265        | 0.0210        | 937.4260          |
| Energy       | 0.0298         | 0.2549        | 0.1085         | 1.6300e-003   |               | 0.0206        | 0.0206        |                | 0.0206        | 0.0206        |                 | 325.4385          | 325.4385          | 6.2400e-003   | 5.9700e-003   | 327.3724          |
| Mobile       | 0.4931         | 2.3249        | 6.5876         | 0.0265        | 2.3762        | 0.0191        | 2.3953        | 0.6358         | 0.0177        | 0.6535        |                 | 2,698.6365        | 2,698.6365        | 0.1238        |               | 2,701.7310        |
| <b>Total</b> | <b>10.5302</b> | <b>3.2959</b> | <b>26.2015</b> | <b>0.0711</b> | <b>2.3762</b> | <b>2.5756</b> | <b>4.9518</b> | <b>0.6358</b>  | <b>2.5742</b> | <b>3.2100</b> | <b>309.1083</b> | <b>3,622.9772</b> | <b>3,932.0855</b> | <b>1.0566</b> | <b>0.0270</b> | <b>3,966.5293</b> |

Offt Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

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

### 3.0 Construction Detail

#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 11/1/2021  | 11/26/2021 | 5             | 20       |                   |
| 2            | Site Preparation      | Site Preparation      | 11/27/2021 | 12/10/2021 | 5             | 10       |                   |
| 3            | Grading               | Grading               | 12/11/2021 | 1/7/2022   | 5             | 20       |                   |
| 4            | Building Construction | Building Construction | 1/8/2022   | 11/25/2022 | 5             | 230      |                   |
| 5            | Paving                | Paving                | 11/26/2022 | 12/23/2022 | 5             | 20       |                   |
| 6            | Architectural Coating | Architectural Coating | 12/24/2022 | 1/20/2023  | 5             | 20       |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 4.82

Residential Indoor: 120,285; Residential Outdoor: 40,095; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| 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        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |

**Trips and VMT**

OfT Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 12.00              | 4.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 2.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

**3.2 Demolition - 2021**

**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     | 3.1651        | 31.4407        | 21.5650        | 0.0388        |               | 1.5513        | 1.5513        |                | 1.4411        | 1.4411        |          | 3,747.9449        | 3,747.9449        | 1.0549        |     | 3,774.3174        |
| <b>Total</b> | <b>3.1651</b> | <b>31.4407</b> | <b>21.5650</b> | <b>0.0388</b> |               | <b>1.5513</b> | <b>1.5513</b> |                | <b>1.4411</b> | <b>1.4411</b> |          | <b>3,747.9449</b> | <b>3,747.9449</b> | <b>1.0549</b> |     | <b>3,774.3174</b> |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.2 Demolition - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0692        | 0.0450        | 0.5078        | 1.5600e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 155.3502        | 155.3502        | 4.1600e-003        |     | 155.4543        |
| <b>Total</b> | <b>0.0692</b> | <b>0.0450</b> | <b>0.5078</b> | <b>1.5600e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>155.3502</b> | <b>155.3502</b> | <b>4.1600e-003</b> |     | <b>155.4543</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 3.1651        | 31.4407        | 21.5650        | 0.0388        |               | 1.5513        | 1.5513        |                | 1.4411        | 1.4411        | 0.0000        | 3,747.9449        | 3,747.9449        | 1.0549        |     | 3,774.3174        |
| <b>Total</b> | <b>3.1651</b> | <b>31.4407</b> | <b>21.5650</b> | <b>0.0388</b> |               | <b>1.5513</b> | <b>1.5513</b> |                | <b>1.4411</b> | <b>1.4411</b> | <b>0.0000</b> | <b>3,747.9449</b> | <b>3,747.9449</b> | <b>1.0549</b> |     | <b>3,774.3174</b> |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.2 Demolition - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0692        | 0.0450        | 0.5078        | 1.5600e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 155.3502        | 155.3502        | 4.1600e-003        |     | 155.4543        |
| <b>Total</b> | <b>0.0692</b> | <b>0.0450</b> | <b>0.5078</b> | <b>1.5600e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>155.3502</b> | <b>155.3502</b> | <b>4.1600e-003</b> |     | <b>155.4543</b> |

**3.3 Site Preparation - 2021**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         |          | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715.4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> |          | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.3 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0830        | 0.0539        | 0.6094        | 1.8700e-003        | 0.2012        | 1.4800e-003        | 0.2027        | 0.0534         | 1.3600e-003        | 0.0547        |          | 186.4202        | 186.4202        | 5.0000e-003        |     | 186.5451        |
| <b>Total</b> | <b>0.0830</b> | <b>0.0539</b> | <b>0.6094</b> | <b>1.8700e-003</b> | <b>0.2012</b> | <b>1.4800e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3600e-003</b> | <b>0.0547</b> |          | <b>186.4202</b> | <b>186.4202</b> | <b>5.0000e-003</b> |     | <b>186.5451</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         | 0.0000        | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715.4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> | <b>0.0000</b> | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.3 Site Preparation - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0830        | 0.0539        | 0.6094        | 1.8700e-003        | 0.2012        | 1.4800e-003        | 0.2027        | 0.0534         | 1.3600e-003        | 0.0547        |          | 186.4202        | 186.4202        | 5.0000e-003        |     | 186.5451        |
| <b>Total</b> | <b>0.0830</b> | <b>0.0539</b> | <b>0.6094</b> | <b>1.8700e-003</b> | <b>0.2012</b> | <b>1.4800e-003</b> | <b>0.2027</b> | <b>0.0534</b>  | <b>1.3600e-003</b> | <b>0.0547</b> |          | <b>186.4202</b> | <b>186.4202</b> | <b>5.0000e-003</b> |     | <b>186.5451</b> |

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.2903        | 24.7367        | 15.8575        | 0.0296        |               | 1.1599        | 1.1599        |                | 1.0671        | 1.0671        |          | 2,871.9285        | 2,871.9285        | 0.9288        |     | 2,895.1495        |
| <b>Total</b>  | <b>2.2903</b> | <b>24.7367</b> | <b>15.8575</b> | <b>0.0296</b> | <b>6.5523</b> | <b>1.1599</b> | <b>7.7123</b> | <b>3.3675</b>  | <b>1.0671</b> | <b>4.4346</b> |          | <b>2,871.9285</b> | <b>2,871.9285</b> | <b>0.9288</b> |     | <b>2,895.1495</b> |



Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0692        | 0.0450        | 0.5078        | 1.5600e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 155.3502        | 155.3502        | 4.1600e-003        |     | 155.4543        |
| <b>Total</b> | <b>0.0692</b> | <b>0.0450</b> | <b>0.5078</b> | <b>1.5600e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>155.3502</b> | <b>155.3502</b> | <b>4.1600e-003</b> |     | <b>155.4543</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.2903        | 24.7367        | 15.8575        | 0.0296        |               | 1.1599        | 1.1599        |                | 1.0671        | 1.0671        | 0.0000        | 2,871.9285        | 2,871.9285        | 0.9288        |     | 2,895.1495        |
| <b>Total</b>  | <b>2.2903</b> | <b>24.7367</b> | <b>15.8575</b> | <b>0.0296</b> | <b>6.5523</b> | <b>1.1599</b> | <b>7.7123</b> | <b>3.3675</b>  | <b>1.0671</b> | <b>4.4346</b> | <b>0.0000</b> | <b>2,871.9285</b> | <b>2,871.9285</b> | <b>0.9288</b> |     | <b>2,895.1495</b> |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0692        | 0.0450        | 0.5078        | 1.5600e-003        | 0.1677        | 1.2300e-003        | 0.1689        | 0.0445         | 1.1400e-003        | 0.0456        |          | 155.3502        | 155.3502        | 4.1600e-003        |     | 155.4543        |
| <b>Total</b> | <b>0.0692</b> | <b>0.0450</b> | <b>0.5078</b> | <b>1.5600e-003</b> | <b>0.1677</b> | <b>1.2300e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1400e-003</b> | <b>0.0456</b> |          | <b>155.3502</b> | <b>155.3502</b> | <b>4.1600e-003</b> |     | <b>155.4543</b> |

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        |          | 2,872.0464        | 2,872.0464        | 0.9289        |     | 2,895.2684        |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>6.5523</b> | <b>0.9409</b> | <b>7.4932</b> | <b>3.3675</b>  | <b>0.8656</b> | <b>4.2331</b> |          | <b>2,872.0464</b> | <b>2,872.0464</b> | <b>0.9289</b> |     | <b>2,895.2684</b> |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.4 Grading - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0651        | 0.0406        | 0.4687        | 1.5000e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 149.7805        | 149.7805        | 3.7600e-003        |     | 149.8745        |
| <b>Total</b> | <b>0.0651</b> | <b>0.0406</b> | <b>0.4687</b> | <b>1.5000e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>149.7805</b> | <b>149.7805</b> | <b>3.7600e-003</b> |     | <b>149.8745</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 6.5523        | 0.0000        | 6.5523        | 3.3675         | 0.0000        | 3.3675        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.9486        | 20.8551        | 15.2727        | 0.0297        |               | 0.9409        | 0.9409        |                | 0.8656        | 0.8656        | 0.0000        | 2,872.0464        | 2,872.0464        | 0.9289        |     | 2,895.2684        |
| <b>Total</b>  | <b>1.9486</b> | <b>20.8551</b> | <b>15.2727</b> | <b>0.0297</b> | <b>6.5523</b> | <b>0.9409</b> | <b>7.4932</b> | <b>3.3675</b>  | <b>0.8656</b> | <b>4.2331</b> | <b>0.0000</b> | <b>2,872.0464</b> | <b>2,872.0464</b> | <b>0.9289</b> |     | <b>2,895.2684</b> |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.4 Grading - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0651        | 0.0406        | 0.4687        | 1.5000e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 149.7805        | 149.7805        | 3.7600e-003        |     | 149.8745        |
| <b>Total</b> | <b>0.0651</b> | <b>0.0406</b> | <b>0.4687</b> | <b>1.5000e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>149.7805</b> | <b>149.7805</b> | <b>3.7600e-003</b> |     | <b>149.8745</b> |

**3.5 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> |

Offt Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0110        | 0.3607        | 0.0958        | 9.8000e-004        | 0.0256        | 6.9000e-004        | 0.0263        | 7.3700e-003    | 6.6000e-004        | 8.0300e-003   |          | 104.8777        | 104.8777        | 6.8100e-003        |     | 105.0480        |
| Worker       | 0.0521        | 0.0325        | 0.3750        | 1.2000e-003        | 0.1341        | 9.6000e-004        | 0.1351        | 0.0356         | 8.8000e-004        | 0.0365        |          | 119.8244        | 119.8244        | 3.0100e-003        |     | 119.8996        |
| <b>Total</b> | <b>0.0630</b> | <b>0.3932</b> | <b>0.4708</b> | <b>2.1800e-003</b> | <b>0.1597</b> | <b>1.6500e-003</b> | <b>0.1614</b> | <b>0.0429</b>  | <b>1.5400e-003</b> | <b>0.0445</b> |          | <b>224.7021</b> | <b>224.7021</b> | <b>9.8200e-003</b> |     | <b>224.9476</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 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> |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0110        | 0.3607        | 0.0958        | 9.8000e-004        | 0.0256        | 6.9000e-004        | 0.0263        | 7.3700e-003    | 6.6000e-004        | 8.0300e-003   |          | 104.8777        | 104.8777        | 6.8100e-003        |     | 105.0480        |
| Worker       | 0.0521        | 0.0325        | 0.3750        | 1.2000e-003        | 0.1341        | 9.6000e-004        | 0.1351        | 0.0356         | 8.8000e-004        | 0.0365        |          | 119.8244        | 119.8244        | 3.0100e-003        |     | 119.8996        |
| <b>Total</b> | <b>0.0630</b> | <b>0.3932</b> | <b>0.4708</b> | <b>2.1800e-003</b> | <b>0.1597</b> | <b>1.6500e-003</b> | <b>0.1614</b> | <b>0.0429</b>  | <b>1.5400e-003</b> | <b>0.0445</b> |          | <b>224.7021</b> | <b>224.7021</b> | <b>9.8200e-003</b> |     | <b>224.9476</b> |

**3.6 Paving - 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     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        |          | 2,207.6603        | 2,207.6603        | 0.7140        |     | 2,225.5104        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1028</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> |          | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |     | <b>2,225.5104</b> |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0651        | 0.0406        | 0.4687        | 1.5000e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 149.7805        | 149.7805        | 3.7600e-003        |     | 149.8745        |
| <b>Total</b> | <b>0.0651</b> | <b>0.0406</b> | <b>0.4687</b> | <b>1.5000e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>149.7805</b> | <b>149.7805</b> | <b>3.7600e-003</b> |     | <b>149.8745</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |               | 0.5679        | 0.5679        |                | 0.5225        | 0.5225        | 0.0000        | 2,207.6603        | 2,207.6603        | 0.7140        |     | 2,225.5104        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.1028</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |               | <b>0.5679</b> | <b>0.5679</b> |                | <b>0.5225</b> | <b>0.5225</b> | <b>0.0000</b> | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |     | <b>2,225.5104</b> |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0651        | 0.0406        | 0.4687        | 1.5000e-003        | 0.1677        | 1.2000e-003        | 0.1689        | 0.0445         | 1.1000e-003        | 0.0456        |          | 149.7805        | 149.7805        | 3.7600e-003        |     | 149.8745        |
| <b>Total</b> | <b>0.0651</b> | <b>0.0406</b> | <b>0.4687</b> | <b>1.5000e-003</b> | <b>0.1677</b> | <b>1.2000e-003</b> | <b>0.1689</b> | <b>0.0445</b>  | <b>1.1000e-003</b> | <b>0.0456</b> |          | <b>149.7805</b> | <b>149.7805</b> | <b>3.7600e-003</b> |     | <b>149.8745</b> |

**3.7 Architectural Coating - 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   |                 |                 |               |     |                 |
| Archit. Coating | 18.5840        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045         | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        |          | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>18.7886</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |



Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.7 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day             |                    |               |                    |               |                    |               |                    |                    |                    | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 8.6700e-003        | 5.4100e-003        | 0.0625        | 2.0000e-004        | 0.0224        | 1.6000e-004        | 0.0225        | 5.9300e-003        | 1.5000e-004        | 6.0800e-003        |          | 19.9707        | 19.9707        | 5.0000e-004        |     | 19.9833        |
| <b>Total</b> | <b>8.6700e-003</b> | <b>5.4100e-003</b> | <b>0.0625</b> | <b>2.0000e-004</b> | <b>0.0224</b> | <b>1.6000e-004</b> | <b>0.0225</b> | <b>5.9300e-003</b> | <b>1.5000e-004</b> | <b>6.0800e-003</b> |          | <b>19.9707</b> | <b>19.9707</b> | <b>5.0000e-004</b> |     | <b>19.9833</b> |

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 18.5840        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045         | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        | 0.0000        | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>18.7886</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.7 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day             |                    |               |                    |               |                    |               |                    |                    |                    | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 8.6700e-003        | 5.4100e-003        | 0.0625        | 2.0000e-004        | 0.0224        | 1.6000e-004        | 0.0225        | 5.9300e-003        | 1.5000e-004        | 6.0800e-003        |          | 19.9707        | 19.9707        | 5.0000e-004        |     | 19.9833        |
| <b>Total</b> | <b>8.6700e-003</b> | <b>5.4100e-003</b> | <b>0.0625</b> | <b>2.0000e-004</b> | <b>0.0224</b> | <b>1.6000e-004</b> | <b>0.0225</b> | <b>5.9300e-003</b> | <b>1.5000e-004</b> | <b>6.0800e-003</b> |          | <b>19.9707</b> | <b>19.9707</b> | <b>5.0000e-004</b> |     | <b>19.9833</b> |

**3.7 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 | 18.5840        |               |               |                    |               | 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>18.7757</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> |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.7 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day             |                    |               |                    |               |                    |               |                    |                    |                    | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 8.1800e-003        | 4.9000e-003        | 0.0576        | 1.9000e-004        | 0.0224        | 1.6000e-004        | 0.0225        | 5.9300e-003        | 1.4000e-004        | 6.0700e-003        |          | 19.2259        | 19.2259        | 4.5000e-004        |     | 19.2372        |
| <b>Total</b> | <b>8.1800e-003</b> | <b>4.9000e-003</b> | <b>0.0576</b> | <b>1.9000e-004</b> | <b>0.0224</b> | <b>1.6000e-004</b> | <b>0.0225</b> | <b>5.9300e-003</b> | <b>1.4000e-004</b> | <b>6.0700e-003</b> |          | <b>19.2259</b> | <b>19.2259</b> | <b>4.5000e-004</b> |     | <b>19.2372</b> |

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 18.5840        |               |               |                    |               | 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>18.7757</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> |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**3.7 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day             |                    |               |                    |               |                    |               |                    |                    |                    | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 8.1800e-003        | 4.9000e-003        | 0.0576        | 1.9000e-004        | 0.0224        | 1.6000e-004        | 0.0225        | 5.9300e-003        | 1.4000e-004        | 6.0700e-003        |          | 19.2259        | 19.2259        | 4.5000e-004        |     | 19.2372        |
| <b>Total</b> | <b>8.1800e-003</b> | <b>4.9000e-003</b> | <b>0.0576</b> | <b>1.9000e-004</b> | <b>0.0224</b> | <b>1.6000e-004</b> | <b>0.0225</b> | <b>5.9300e-003</b> | <b>1.4000e-004</b> | <b>6.0700e-003</b> |          | <b>19.2259</b> | <b>19.2259</b> | <b>4.5000e-004</b> |     | <b>19.2372</b> |

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Of Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

|             | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O | CO2e       |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |            |            |        |     |            |
| Mitigated   | 0.4931 | 2.3249 | 6.5876 | 0.0265 | 2.3762        | 0.0191       | 2.3953     | 0.6358         | 0.0177        | 0.6535      |          | 2,698.6365 | 2,698.6365 | 0.1238 |     | 2,701.7310 |
| Unmitigated | 0.4931 | 2.3249 | 6.5876 | 0.0265 | 2.3762        | 0.0191       | 2.3953     | 0.6358         | 0.0177        | 0.6535      |          | 2,698.6365 | 2,698.6365 | 0.1238 |     | 2,701.7310 |

4.2 Trip Summary Information

| Land Use                   | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------|-------------------------|----------|--------|-------------|------------|
|                            | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Other Non-Asphalt Surfaces | 0.00                    | 0.00     | 0.00   |             |            |
| Single Family Housing      | 314.16                  | 327.03   | 284.46 | 1,065,317   | 1,065,317  |
| Total                      | 314.16                  | 327.03   | 284.46 | 1,065,317   | 1,065,317  |

4.3 Trip Type Information

| Land Use                   | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                            | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Other Non-Asphalt Surfaces | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Single Family Housing      | 14.70      | 5.90       | 8.70        | 40.20      | 19.20      | 40.60       | 86             | 11       | 3       |

4.4 Fleet Mix

| Land Use                   | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Non-Asphalt Surfaces | 0.550151 | 0.042593 | 0.202457 | 0.116946 | 0.015037 | 0.005825 | 0.021699 | 0.034933 | 0.002123 | 0.001780 | 0.004876 | 0.000710 | 0.000868 |
| Single Family Housing      | 0.550151 | 0.042593 | 0.202457 | 0.116946 | 0.015037 | 0.005825 | 0.021699 | 0.034933 | 0.002123 | 0.001780 | 0.004876 | 0.000710 | 0.000868 |

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

|                        | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e     |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category               | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |           |           |             |             |          |
| NaturalGas Mitigated   | 0.0298 | 0.2549 | 0.1085 | 1.6300e-003 |               | 0.0206       | 0.0206     |                | 0.0206        | 0.0206      |          | 325.4385  | 325.4385  | 6.2400e-003 | 5.9700e-003 | 327.3724 |
| NaturalGas Unmitigated | 0.0298 | 0.2549 | 0.1085 | 1.6300e-003 |               | 0.0206       | 0.0206     |                | 0.0206        | 0.0206      |          | 325.4385  | 325.4385  | 6.2400e-003 | 5.9700e-003 | 327.3724 |

OfT Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**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   |                 |                 |                    |                    |                 |
| 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          |
| Single Family Housing      | 2766.23        | 0.0298        | 0.2549        | 0.1085        | 1.6300e-003        |               | 0.0206        | 0.0206        |                | 0.0206        | 0.0206        |          | 325.4385        | 325.4385        | 6.2400e-003        | 5.9700e-003        | 327.3724        |
| <b>Total</b>               |                | <b>0.0298</b> | <b>0.2549</b> | <b>0.1085</b> | <b>1.6300e-003</b> |               | <b>0.0206</b> | <b>0.0206</b> |                | <b>0.0206</b> | <b>0.0206</b> |          | <b>325.4385</b> | <b>325.4385</b> | <b>6.2400e-003</b> | <b>5.9700e-003</b> | <b>327.3724</b> |

**Mitigated**

|                            | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|----------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use                   | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |                    |                    |                 |
| 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          |
| Single Family Housing      | 2.76623        | 0.0298        | 0.2549        | 0.1085        | 1.6300e-003        |               | 0.0206        | 0.0206        |                | 0.0206        | 0.0206        |          | 325.4385        | 325.4385        | 6.2400e-003        | 5.9700e-003        | 327.3724        |
| <b>Total</b>               |                | <b>0.0298</b> | <b>0.2549</b> | <b>0.1085</b> | <b>1.6300e-003</b> |               | <b>0.0206</b> | <b>0.0206</b> |                | <b>0.0206</b> | <b>0.0206</b> |          | <b>325.4385</b> | <b>325.4385</b> | <b>6.2400e-003</b> | <b>5.9700e-003</b> | <b>327.3724</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

|             | ROG     | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 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   | 10.0072 | 0.7161 | 19.5054 | 0.0430 |               | 2.5359       | 2.5359     |                | 2.5359        | 2.5359      | 309.1083 | 598.9022  | 908.0105  | 0.9265 | 0.0210 | 937.4260 |
| Unmitigated | 10.0072 | 0.7161 | 19.5054 | 0.0430 |               | 2.5359       | 2.5359     |                | 2.5359        | 2.5359      | 309.1083 | 598.9022  | 908.0105  | 0.9265 | 0.0210 | 937.4260 |

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 | 0.1018         |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |                 |                 | 0.0000          |               |               | 0.0000          |
| Consumer Products     | 1.1761         |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |                 |                 | 0.0000          |               |               | 0.0000          |
| Hearth                | 8.6472         | 0.6847        | 16.7822        | 0.0428        |               | 2.5208        | 2.5208        |                | 2.5208        | 2.5208        | 309.1083        | 594.0000        | 903.1083        | 0.9218        | 0.0210        | 932.4059        |
| Landscaping           | 0.0820         | 0.0314        | 2.7232         | 1.4000e-004   |               | 0.0151        | 0.0151        |                | 0.0151        | 0.0151        |                 | 4.9022          | 4.9022          | 4.7100e-003   |               | 5.0201          |
| <b>Total</b>          | <b>10.0072</b> | <b>0.7161</b> | <b>19.5054</b> | <b>0.0430</b> |               | <b>2.5359</b> | <b>2.5359</b> |                | <b>2.5359</b> | <b>2.5359</b> | <b>309.1083</b> | <b>598.9022</b> | <b>908.0105</b> | <b>0.9265</b> | <b>0.0210</b> | <b>937.4260</b> |



Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**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 | 0.1018         |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |                 |                 | 0.0000          |               |               | 0.0000          |
| Consumer Products     | 1.1761         |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |                 |                 | 0.0000          |               |               | 0.0000          |
| Hearth                | 8.6472         | 0.6847        | 16.7822        | 0.0428        |               | 2.5208        | 2.5208        |                | 2.5208        | 2.5208        | 309.1083        | 594.0000        | 903.1083        | 0.9218        | 0.0210        | 932.4059        |
| Landscaping           | 0.0820         | 0.0314        | 2.7232         | 1.4000e-004   |               | 0.0151        | 0.0151        |                | 0.0151        | 0.0151        |                 | 4.9022          | 4.9022          | 4.7100e-003   |               | 5.0201          |
| <b>Total</b>          | <b>10.0072</b> | <b>0.7161</b> | <b>19.5054</b> | <b>0.0430</b> |               | <b>2.5359</b> | <b>2.5359</b> |                | <b>2.5359</b> | <b>2.5359</b> | <b>309.1083</b> | <b>598.9022</b> | <b>908.0105</b> | <b>0.9265</b> | <b>0.0210</b> | <b>937.4260</b> |

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

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Oft Family Equipment Storage Yard (Residential) - South Coast AQMD Air District, Winter

**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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