

1809 Verdugo Blvd - South Coast AQMD Air District, Summer

**1809 Verdugo Blvd**  
**South Coast AQMD Air District, Summer**

## 1.0 Project Characteristics

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### 1.1 Land Usage

| Land Uses                         | Size   | Metric        | Lot Acreage | Floor Surface Area | Population |
|-----------------------------------|--------|---------------|-------------|--------------------|------------|
| Enclosed Parking with Elevator    | 32.00  | Space         | 0.00        | 0.00               | 0          |
| Enclosed Parking with Elevator    | 113.00 | Space         | 0.00        | 0.00               | 0          |
| Unenclosed Parking with Elevator  | 35.00  | Space         | 0.95        | 36,780.00          | 0          |
| Congregate Care (Assisted Living) | 79.00  | Dwelling Unit | 0.55        | 35,000.00          | 226        |

### 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>            | 12                     |                                |       | <b>Operational Year</b>          | 2022  |
| <b>Utility Company</b>         | Glendale Water & Power |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 1115.33                | <b>CH4 Intensity (lb/MWhr)</b> | 0.029 | <b>N2O Intensity (lb/MWhr)</b>   | 0.006 |

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

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Project Characteristics - 1) 3-story 35,000 square-foot residential congregate living/medical facility with 79-beds, a 32 space semi-subterranean parking garage. 2) 36,780 square-foot parking garage (one level subterranean and two levels above grade) with 110 spaces on a 64,495 square-foot site consisting of three lots

Land Use - The project site consists of 3 lots: 24,030 sq. ft., 5,780 sq. ft. and 35,600 sq. ft. (65,410 sq. ft. combined). The 35,000 sq. ft. residential congregate living, medical facility will consist of 79 beds with a one-level subterranean garage with 32 parking spaces. A new three-level (one level subterranean and two levels above grade) parking structure with 110 parking spaces is proposed at other portions of the site.

## Grading -

Construction Phase - Grading (all export): Approximately 8,000 cubic yards during Phase II and approximately 6,110 cubic yards during Phase III (14,110 cubic yards total). Approximately 500 truck trips during Phase II, and approximately 382 truck trips during Phase III (16 cubic yards per truck for a total of 882 truck trips). Grading would not occur over the entire 103 week period, but would be concentrated over approximately three weeks within the first eight weeks of both Phases II and III.

| Table Name        | Column Name                | Default Value | New Value |
|-------------------|----------------------------|---------------|-----------|
| tblAreaMitigation | UseLowVOCPaintParkingCheck | False         | True      |
| tblGrading        | MaterialExported           | 0.00          | 8,000.00  |
| tblGrading        | MaterialExported           | 0.00          | 6,110.00  |
| tblLandUse        | LandUseSquareFeet          | 45,200.00     | 0.00      |
| tblLandUse        | LandUseSquareFeet          | 12,800.00     | 0.00      |
| tblLandUse        | LandUseSquareFeet          | 14,000.00     | 36,780.00 |
| tblLandUse        | LandUseSquareFeet          | 79,000.00     | 35,000.00 |
| tblLandUse        | LotAcreage                 | 1.02          | 0.00      |
| tblLandUse        | LotAcreage                 | 0.29          | 0.00      |
| tblLandUse        | LotAcreage                 | 0.32          | 0.95      |
| tblLandUse        | LotAcreage                 | 4.94          | 0.55      |
| tblTripsAndVMT    | HaulingTripNumber          | 148.00        | 0.00      |
| tblTripsAndVMT    | HaulingTripNumber          | 1,000.00      | 0.00      |
| tblTripsAndVMT    | HaulingTripNumber          | 267.00        | 0.00      |
| tblTripsAndVMT    | HaulingTripNumber          | 764.00        | 0.00      |

## 2.0 Emissions Summary

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**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   |                |                |        |        |                |
| 2020    | 23.2288 | 20.9858 | 16.4814 | 0.0339      | 5.8890        | 1.1536       | 6.7106     | 2.9774         | 1.0772        | 3.7333      | 0.0000   | 3,209.367<br>9 | 3,209.367<br>9 | 0.6012 | 0.0000 | 3,219.850<br>5 |
| 2021    | 23.2013 | 37.1744 | 22.8441 | 0.0436      | 8.9232        | 1.8080       | 10.7312    | 3.4534         | 1.6772        | 5.1306      | 0.0000   | 4,221.789<br>1 | 4,221.789<br>1 | 1.1392 | 0.0000 | 4,250.268<br>8 |
| 2022    | 23.1833 | 1.4431  | 2.3013  | 4.4700e-003 | 0.1565        | 0.0828       | 0.2393     | 0.0415         | 0.0828        | 0.1243      | 0.0000   | 430.9294       | 430.9294       | 0.0221 | 0.0000 | 431.4817       |
| Maximum | 23.2288 | 37.1744 | 22.8441 | 0.0436      | 8.9232        | 1.8080       | 10.7312    | 3.4534         | 1.6772        | 5.1306      | 0.0000   | 4,221.789<br>1 | 4,221.789<br>1 | 1.1392 | 0.0000 | 4,250.268<br>8 |

**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   |                |                |        |        |                |
| 2020    | 23.2288 | 20.9858 | 16.4814 | 0.0339      | 1.8989        | 1.1536       | 2.7205     | 0.9453         | 1.0772        | 1.7012      | 0.0000   | 3,209.367<br>9 | 3,209.367<br>9 | 0.6012 | 0.0000 | 3,219.850<br>5 |
| 2021    | 23.2013 | 37.1744 | 22.8441 | 0.0436      | 2.9455        | 1.8080       | 4.7535     | 1.1203         | 1.6772        | 2.7975      | 0.0000   | 4,221.789<br>1 | 4,221.789<br>1 | 1.1392 | 0.0000 | 4,250.268<br>8 |
| 2022    | 23.1833 | 1.4431  | 2.3013  | 4.4700e-003 | 0.1565        | 0.0828       | 0.2393     | 0.0415         | 0.0828        | 0.1243      | 0.0000   | 430.9294       | 430.9294       | 0.0221 | 0.0000 | 431.4817       |
| Maximum | 23.2288 | 37.1744 | 22.8441 | 0.0436      | 2.9455        | 1.8080       | 4.7535     | 1.1203         | 1.6772        | 2.7975      | 0.0000   | 4,221.789<br>1 | 4,221.789<br>1 | 1.1392 | 0.0000 | 4,250.268<br>8 |

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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 | 66.59         | 0.00         | 56.38      | 67.44          | 0.00          | 48.57       | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

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**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         | 21.6685        | 1.7145        | 46.7186        | 0.1028        |               | 6.0708        | 6.0708        |                | 6.0708        | 6.0708        | 739.9866        | 1,433.7750        | 2,173.7616        | 2.2182        | 0.0502        | 2,244.1839        |
| Energy       | 0.0256         | 0.2190        | 0.0932         | 1.4000e-003   |               | 0.0177        | 0.0177        |                | 0.0177        | 0.0177        |                 | 279.5411          | 279.5411          | 5.3600e-003   | 5.1200e-003   | 281.2023          |
| Mobile       | 0.3768         | 1.9286        | 5.0377         | 0.0192        | 1.5728        | 0.0145        | 1.5874        | 0.4208         | 0.0136        | 0.4344        |                 | 1,950.0248        | 1,950.0248        | 0.0897        |               | 1,952.2671        |
| <b>Total</b> | <b>22.0709</b> | <b>3.8621</b> | <b>51.8495</b> | <b>0.1234</b> | <b>1.5728</b> | <b>6.1030</b> | <b>7.6759</b> | <b>0.4208</b>  | <b>6.1021</b> | <b>6.5229</b> | <b>739.9866</b> | <b>3,663.3409</b> | <b>4,403.3275</b> | <b>2.3133</b> | <b>0.0554</b> | <b>4,477.6532</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         | 21.6685        | 1.7145        | 46.7186        | 0.1028        |               | 6.0708        | 6.0708        |                | 6.0708        | 6.0708        | 739.9866        | 1,433.7750        | 2,173.7616        | 2.2182        | 0.0502        | 2,244.1839        |
| Energy       | 0.0256         | 0.2190        | 0.0932         | 1.4000e-003   |               | 0.0177        | 0.0177        |                | 0.0177        | 0.0177        |                 | 279.5411          | 279.5411          | 5.3600e-003   | 5.1200e-003   | 281.2023          |
| Mobile       | 0.3768         | 1.9286        | 5.0377         | 0.0192        | 1.5728        | 0.0145        | 1.5874        | 0.4208         | 0.0136        | 0.4344        |                 | 1,950.0248        | 1,950.0248        | 0.0897        |               | 1,952.2671        |
| <b>Total</b> | <b>22.0709</b> | <b>3.8621</b> | <b>51.8495</b> | <b>0.1234</b> | <b>1.5728</b> | <b>6.1030</b> | <b>7.6759</b> | <b>0.4208</b>  | <b>6.1021</b> | <b>6.5229</b> | <b>739.9866</b> | <b>3,663.3409</b> | <b>4,403.3275</b> | <b>2.3133</b> | <b>0.0554</b> | <b>4,477.6532</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 |

### 3.0 Construction Detail

#### Construction Phase

| Phase Number | Phase Name                      | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description                   |
|--------------|---------------------------------|-----------------------|------------|------------|---------------|----------|-------------------------------------|
| 1            | Phase II Demolition             | Demolition            | 1/27/2020  | 2/4/2020   | 5             | 20       | Phase II: 3-level parking structure |
| 2            | Phase II Site Preparation       | Site Preparation      | 2/5/2020   | 2/6/2020   | 5             | 2        | Phase II: 3-level parking structure |
| 3            | Phase II Grading                | Grading               | 2/7/2020   | 2/27/2020  | 5             | 4        | Phase II: 3-level parking structure |
| 4            | Phase II Building Construction  | Building Construction | 2/28/2020  | 12/3/2020  | 5             | 200      | Phase II: 3-level parking structure |
| 5            | Phase II Paving                 | Paving                | 12/4/2020  | 12/17/2020 | 5             | 10       | Phase II: 3-level parking structure |
| 6            | Phase II Architectural Coating  | Architectural Coating | 12/18/2020 | 12/31/2020 | 5             | 10       | Phase II: 3-level parking structure |
| 7            | Phase III Demolition            | Demolition            | 1/29/2021  | 2/8/2021   | 5             | 20       | Phase III: Congregatecare Facility  |
| 8            | Phase III Site Preparation      | Site Preparation      | 2/7/2021   | 2/9/2021   | 5             | 2        | Phase III: Congregatecare Facility  |
| 9            | Phase III Grading               | Grading               | 2/11/2021  | 3/3/2021   | 5             | 4        | Phase III: Congregatecare Facility  |
| 10           | Phase III Building Construction | Building Construction | 3/4/2021   | 12/8/2021  | 5             | 200      | Phase III: Congregatecare Facility  |
| 11           | Phase III Paving                | Paving                | 12/9/2021  | 12/22/2021 | 5             | 10       | Phase III: Congregatecare Facility  |
| 12           | Phase III Architectural Coating | Architectural Coating | 12/23/2021 | 1/5/2022   | 5             | 10       | Phase III: Congregatecare Facility  |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.95

Residential Indoor: 70,875; Residential Outdoor: 23,625; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,207 (Architectural Coating – sqft)

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**OffRoad Equipment**

| Phase Name                     | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|--------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Phase II Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Phase II Demolition            | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Phase II Demolition            | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Phase II Site Preparation      | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Phase II Site Preparation      | Rubber Tired Dozers       | 1      | 7.00        | 247         | 0.40        |
| Phase II Site Preparation      | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Phase II Grading               | Graders                   | 1      | 6.00        | 187         | 0.41        |
| Phase II Grading               | Rubber Tired Dozers       | 1      | 6.00        | 247         | 0.40        |
| Phase II Grading               | Tractors/Loaders/Backhoes | 1      | 7.00        | 97          | 0.37        |
| Phase II Building Construction | Cranes                    | 1      | 6.00        | 231         | 0.29        |
| Phase II Building Construction | Forklifts                 | 1      | 6.00        | 89          | 0.20        |
| Phase II Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Phase II Building Construction | Tractors/Loaders/Backhoes | 1      | 6.00        | 97          | 0.37        |
| Phase II Building Construction | Welders                   | 3      | 8.00        | 46          | 0.45        |
| Phase II Paving                | Cement and Mortar Mixers  | 1      | 6.00        | 9           | 0.56        |
| Phase II Paving                | Pavers                    | 1      | 6.00        | 130         | 0.42        |
| Phase II Paving                | Paving Equipment          | 1      | 8.00        | 132         | 0.36        |
| Phase II Paving                | Rollers                   | 1      | 7.00        | 80          | 0.38        |
| Phase II Paving                | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |
| Phase II Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |
| Phase III Demolition           | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Phase III Demolition           | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Phase III Demolition           | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Phase III Site Preparation     | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Phase III Site Preparation     | Rubber Tired Dozers       | 1      | 7.00        | 247         | 0.40        |

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|                                 |                           |   |      |     |      |
|---------------------------------|---------------------------|---|------|-----|------|
| Phase III Site Preparation      | Tractors/Loaders/Backhoes | 1 | 8.00 | 97  | 0.37 |
| Phase III Grading               | Graders                   | 1 | 6.00 | 187 | 0.41 |
| Phase III Grading               | Rubber Tired Dozers       | 1 | 6.00 | 247 | 0.40 |
| Phase III Grading               | Tractors/Loaders/Backhoes | 1 | 7.00 | 97  | 0.37 |
| Phase III Building Construction | Cranes                    | 1 | 6.00 | 231 | 0.29 |
| Phase III Building Construction | Forklifts                 | 1 | 6.00 | 89  | 0.20 |
| Phase III Building Construction | Generator Sets            | 1 | 8.00 | 84  | 0.74 |
| Phase III Building Construction | Tractors/Loaders/Backhoes | 1 | 6.00 | 97  | 0.37 |
| Phase III Building Construction | Welders                   | 3 | 8.00 | 46  | 0.45 |
| Phase III Paving                | Cement and Mortar Mixers  | 1 | 6.00 | 9   | 0.56 |
| Phase III Paving                | Pavers                    | 1 | 6.00 | 130 | 0.42 |
| Phase III Paving                | Paving Equipment          | 1 | 8.00 | 132 | 0.36 |
| Phase III Paving                | Rollers                   | 1 | 7.00 | 80  | 0.38 |
| Phase III Paving                | Tractors/Loaders/Backhoes | 1 | 8.00 | 97  | 0.37 |
| Phase III Architectural Coating | Air Compressors           | 1 | 6.00 | 78  | 0.48 |

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 |
|---------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Phase II Demolition             | 5                       | 13.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase II Site Preparation       | 3                       | 8.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase II Grading                | 3                       | 8.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase II Building Construction  | 7                       | 72.00              | 14.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase II Paving                 | 5                       | 13.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase II Architectural Coating  | 1                       | 14.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase III Demolition            | 5                       | 13.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase III Site Preparation      | 3                       | 8.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase III Grading               | 3                       | 8.00               | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase III Building Construction | 7                       | 72.00              | 14.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase III Paving                | 5                       | 13.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase III Architectural Coating | 1                       | 14.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

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**3.2 Phase II Demolition - 2020****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 |               |                |                |               | 1.6049        | 0.0000        | 1.6049        | 0.2430         | 0.0000        | 0.2430        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.1262        | 20.9463        | 14.6573        | 0.0241        |               | 1.1525        | 1.1525        |                | 1.0761        | 1.0761        |          | 2,322.3127        | 2,322.3127        | 0.5970        |     | 2,337.2363        |
| <b>Total</b>  | <b>2.1262</b> | <b>20.9463</b> | <b>14.6573</b> | <b>0.0241</b> | <b>1.6049</b> | <b>1.1525</b> | <b>2.7574</b> | <b>0.2430</b>  | <b>1.0761</b> | <b>1.3191</b> |          | <b>2,322.3127</b> | <b>2,322.3127</b> | <b>0.5970</b> |     | <b>2,337.2363</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| 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       | 0.0588        | 0.0395        | 0.5315        | 1.4900e-003        | 0.1453        | 1.1000e-003        | 0.1464        | 0.0385         | 1.0200e-003        | 0.0396        |          | 148.7743        | 148.7743        | 4.2800e-003        |     | 148.8812        |
| <b>Total</b> | <b>0.0588</b> | <b>0.0395</b> | <b>0.5315</b> | <b>1.4900e-003</b> | <b>0.1453</b> | <b>1.1000e-003</b> | <b>0.1464</b> | <b>0.0385</b>  | <b>1.0200e-003</b> | <b>0.0396</b> |          | <b>148.7743</b> | <b>148.7743</b> | <b>4.2800e-003</b> |     | <b>148.8812</b> |

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**3.2 Phase II Demolition - 2020****Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 0.5007        | 0.0000        | 0.5007        | 0.0758         | 0.0000        | 0.0758        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.1262        | 20.9463        | 14.6573        | 0.0241        |               | 1.1525        | 1.1525        |                | 1.0761        | 1.0761        | 0.0000        | 2,322.3127        | 2,322.3127        | 0.5970        |     | 2,337.2363        |
| <b>Total</b>  | <b>2.1262</b> | <b>20.9463</b> | <b>14.6573</b> | <b>0.0241</b> | <b>0.5007</b> | <b>1.1525</b> | <b>1.6532</b> | <b>0.0758</b>  | <b>1.0761</b> | <b>1.1520</b> | <b>0.0000</b> | <b>2,322.3127</b> | <b>2,322.3127</b> | <b>0.5970</b> |     | <b>2,337.2363</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| 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       | 0.0588        | 0.0395        | 0.5315        | 1.4900e-003        | 0.1453        | 1.1000e-003        | 0.1464        | 0.0385         | 1.0200e-003        | 0.0396        |          | 148.7743        | 148.7743        | 4.2800e-003        |     | 148.8812        |
| <b>Total</b> | <b>0.0588</b> | <b>0.0395</b> | <b>0.5315</b> | <b>1.4900e-003</b> | <b>0.1453</b> | <b>1.1000e-003</b> | <b>0.1464</b> | <b>0.0385</b>  | <b>1.0200e-003</b> | <b>0.0396</b> |          | <b>148.7743</b> | <b>148.7743</b> | <b>4.2800e-003</b> |     | <b>148.8812</b> |

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**3.3 Phase II Site Preparation - 2020****Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |               |               | 5.7996        | 0.0000        | 5.7996        | 2.9537         | 0.0000        | 2.9537        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.6299        | 18.3464        | 7.7093        | 0.0172        |               | 0.8210        | 0.8210        |                | 0.7553        | 0.7553        |          | 1,667.4119        | 1,667.4119        | 0.5393        |     | 1,680.8937        |
| <b>Total</b>  | <b>1.6299</b> | <b>18.3464</b> | <b>7.7093</b> | <b>0.0172</b> | <b>5.7996</b> | <b>0.8210</b> | <b>6.6205</b> | <b>2.9537</b>  | <b>0.7553</b> | <b>3.7090</b> |          | <b>1,667.4119</b> | <b>1,667.4119</b> | <b>0.5393</b> |     | <b>1,680.8937</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| 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       | 0.0362        | 0.0243        | 0.3271        | 9.2000e-004        | 0.0894        | 6.8000e-004        | 0.0901        | 0.0237         | 6.2000e-004        | 0.0243        |          | 91.5534        | 91.5534        | 2.6300e-003        |     | 91.6192        |
| <b>Total</b> | <b>0.0362</b> | <b>0.0243</b> | <b>0.3271</b> | <b>9.2000e-004</b> | <b>0.0894</b> | <b>6.8000e-004</b> | <b>0.0901</b> | <b>0.0237</b>  | <b>6.2000e-004</b> | <b>0.0243</b> |          | <b>91.5534</b> | <b>91.5534</b> | <b>2.6300e-003</b> |     | <b>91.6192</b> |

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**3.3 Phase II Site Preparation - 2020****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 |               |                |               |               | 1.8095        | 0.0000        | 1.8095        | 0.9216         | 0.0000        | 0.9216        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.6299        | 18.3464        | 7.7093        | 0.0172        |               | 0.8210        | 0.8210        |                | 0.7553        | 0.7553        | 0.0000        | 1,667.4119        | 1,667.4119        | 0.5393        |     | 1,680.8937        |
| <b>Total</b>  | <b>1.6299</b> | <b>18.3464</b> | <b>7.7093</b> | <b>0.0172</b> | <b>1.8095</b> | <b>0.8210</b> | <b>2.6304</b> | <b>0.9216</b>  | <b>0.7553</b> | <b>1.6768</b> | <b>0.0000</b> | <b>1,667.4119</b> | <b>1,667.4119</b> | <b>0.5393</b> |     | <b>1,680.8937</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| 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       | 0.0362        | 0.0243        | 0.3271        | 9.2000e-004        | 0.0894        | 6.8000e-004        | 0.0901        | 0.0237         | 6.2000e-004        | 0.0243        |          | 91.5534        | 91.5534        | 2.6300e-003        |     | 91.6192        |
| <b>Total</b> | <b>0.0362</b> | <b>0.0243</b> | <b>0.3271</b> | <b>9.2000e-004</b> | <b>0.0894</b> | <b>6.8000e-004</b> | <b>0.0901</b> | <b>0.0237</b>  | <b>6.2000e-004</b> | <b>0.0243</b> |          | <b>91.5534</b> | <b>91.5534</b> | <b>2.6300e-003</b> |     | <b>91.6192</b> |

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**3.4 Phase II Grading - 2020****Unmitigated Construction On-Site**

|               | ROG           | NOx            | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Fugitive Dust |               |                |               |               | 5.1404        | 0.0000        | 5.1404        | 2.5599         | 0.0000        | 2.5599        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.3498        | 15.0854        | 6.4543        | 0.0141        |               | 0.6844        | 0.6844        |                | 0.6296        | 0.6296        |          | 1,365.718<br>3         | 1,365.718<br>3         | 0.4417        |     | 1,376.760<br>9         |
| <b>Total</b>  | <b>1.3498</b> | <b>15.0854</b> | <b>6.4543</b> | <b>0.0141</b> | <b>5.1404</b> | <b>0.6844</b> | <b>5.8248</b> | <b>2.5599</b>  | <b>0.6296</b> | <b>3.1895</b> |          | <b>1,365.718<br/>3</b> | <b>1,365.718<br/>3</b> | <b>0.4417</b> |     | <b>1,376.760<br/>9</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| 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       | 0.0362        | 0.0243        | 0.3271        | 9.2000e-004        | 0.0894        | 6.8000e-004        | 0.0901        | 0.0237         | 6.2000e-004        | 0.0243        |          | 91.5534        | 91.5534        | 2.6300e-003        |     | 91.6192        |
| <b>Total</b> | <b>0.0362</b> | <b>0.0243</b> | <b>0.3271</b> | <b>9.2000e-004</b> | <b>0.0894</b> | <b>6.8000e-004</b> | <b>0.0901</b> | <b>0.0237</b>  | <b>6.2000e-004</b> | <b>0.0243</b> |          | <b>91.5534</b> | <b>91.5534</b> | <b>2.6300e-003</b> |     | <b>91.6192</b> |

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**3.4 Phase II Grading - 2020****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 |               |                |               |               | 1.6038        | 0.0000        | 1.6038        | 0.7987         | 0.0000        | 0.7987        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.3498        | 15.0854        | 6.4543        | 0.0141        |               | 0.6844        | 0.6844        |                | 0.6296        | 0.6296        | 0.0000        | 1,365.718<br>3         | 1,365.718<br>3         | 0.4417        |     | 1,376.760<br>9         |
| <b>Total</b>  | <b>1.3498</b> | <b>15.0854</b> | <b>6.4543</b> | <b>0.0141</b> | <b>1.6038</b> | <b>0.6844</b> | <b>2.2882</b> | <b>0.7987</b>  | <b>0.6296</b> | <b>1.4283</b> | <b>0.0000</b> | <b>1,365.718<br/>3</b> | <b>1,365.718<br/>3</b> | <b>0.4417</b> |     | <b>1,376.760<br/>9</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| 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       | 0.0362        | 0.0243        | 0.3271        | 9.2000e-004        | 0.0894        | 6.8000e-004        | 0.0901        | 0.0237         | 6.2000e-004        | 0.0243        |          | 91.5534        | 91.5534        | 2.6300e-003        |     | 91.6192        |
| <b>Total</b> | <b>0.0362</b> | <b>0.0243</b> | <b>0.3271</b> | <b>9.2000e-004</b> | <b>0.0894</b> | <b>6.8000e-004</b> | <b>0.0901</b> | <b>0.0237</b>  | <b>6.2000e-004</b> | <b>0.0243</b> |          | <b>91.5534</b> | <b>91.5534</b> | <b>2.6300e-003</b> |     | <b>91.6192</b> |

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**3.5 Phase II Building Construction - 2020****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     | 2.0305        | 14.7882        | 13.1881        | 0.0220        |               | 0.7960        | 0.7960        |                | 0.7688        | 0.7688        |          | 2,001.1595        | 2,001.1595        | 0.3715        |     | 2,010.4467        |
| <b>Total</b> | <b>2.0305</b> | <b>14.7882</b> | <b>13.1881</b> | <b>0.0220</b> |               | <b>0.7960</b> | <b>0.7960</b> |                | <b>0.7688</b> | <b>0.7688</b> |          | <b>2,001.1595</b> | <b>2,001.1595</b> | <b>0.3715</b> |     | <b>2,010.4467</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0460        | 1.4691        | 0.3498        | 3.6000e-003   | 0.0896        | 7.2800e-003   | 0.0969        | 0.0258         | 6.9600e-003   | 0.0328        |          | 384.2278          | 384.2278          | 0.0241        |     | 384.8309          |
| Worker       | 0.3258        | 0.2190        | 2.9435        | 8.2700e-003   | 0.8048        | 6.1000e-003   | 0.8109        | 0.2134         | 5.6200e-003   | 0.2191        |          | 823.9806          | 823.9806          | 0.0237        |     | 824.5728          |
| <b>Total</b> | <b>0.3717</b> | <b>1.6881</b> | <b>3.2933</b> | <b>0.0119</b> | <b>0.8944</b> | <b>0.0134</b> | <b>0.9078</b> | <b>0.2392</b>  | <b>0.0126</b> | <b>0.2518</b> |          | <b>1,208.2084</b> | <b>1,208.2084</b> | <b>0.0478</b> |     | <b>1,209.4038</b> |

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**3.5 Phase II Building Construction - 2020****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     | 2.0305        | 14.7882        | 13.1881        | 0.0220        |               | 0.7960        | 0.7960        |                | 0.7688        | 0.7688        | 0.0000        | 2,001.1595        | 2,001.1595        | 0.3715        |     | 2,010.4467        |
| <b>Total</b> | <b>2.0305</b> | <b>14.7882</b> | <b>13.1881</b> | <b>0.0220</b> |               | <b>0.7960</b> | <b>0.7960</b> |                | <b>0.7688</b> | <b>0.7688</b> | <b>0.0000</b> | <b>2,001.1595</b> | <b>2,001.1595</b> | <b>0.3715</b> |     | <b>2,010.4467</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0460        | 1.4691        | 0.3498        | 3.6000e-003   | 0.0896        | 7.2800e-003   | 0.0969        | 0.0258         | 6.9600e-003   | 0.0328        |          | 384.2278          | 384.2278          | 0.0241        |     | 384.8309          |
| Worker       | 0.3258        | 0.2190        | 2.9435        | 8.2700e-003   | 0.8048        | 6.1000e-003   | 0.8109        | 0.2134         | 5.6200e-003   | 0.2191        |          | 823.9806          | 823.9806          | 0.0237        |     | 824.5728          |
| <b>Total</b> | <b>0.3717</b> | <b>1.6881</b> | <b>3.2933</b> | <b>0.0119</b> | <b>0.8944</b> | <b>0.0134</b> | <b>0.9078</b> | <b>0.2392</b>  | <b>0.0126</b> | <b>0.2518</b> |          | <b>1,208.2084</b> | <b>1,208.2084</b> | <b>0.0478</b> |     | <b>1,209.4038</b> |

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**3.6 Phase II Paving - 2020****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                        |                        |               |     |                        |
| Off-Road     | 0.8402        | 8.4514        | 8.8758        | 0.0135        |               | 0.4695        | 0.4695        |                | 0.4328        | 0.4328        |          | 1,296.946<br>1         | 1,296.946<br>1         | 0.4111        |     | 1,307.224<br>6         |
| Paving       | 0.0000        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                        | 0.0000                 |               |     | 0.0000                 |
| <b>Total</b> | <b>0.8402</b> | <b>8.4514</b> | <b>8.8758</b> | <b>0.0135</b> |               | <b>0.4695</b> | <b>0.4695</b> |                | <b>0.4328</b> | <b>0.4328</b> |          | <b>1,296.946<br/>1</b> | <b>1,296.946<br/>1</b> | <b>0.4111</b> |     | <b>1,307.224<br/>6</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| 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       | 0.0588        | 0.0395        | 0.5315        | 1.4900e-003        | 0.1453        | 1.1000e-003        | 0.1464        | 0.0385         | 1.0200e-003        | 0.0396        |          | 148.7743        | 148.7743        | 4.2800e-003        |     | 148.8812        |
| <b>Total</b> | <b>0.0588</b> | <b>0.0395</b> | <b>0.5315</b> | <b>1.4900e-003</b> | <b>0.1453</b> | <b>1.1000e-003</b> | <b>0.1464</b> | <b>0.0385</b>  | <b>1.0200e-003</b> | <b>0.0396</b> |          | <b>148.7743</b> | <b>148.7743</b> | <b>4.2800e-003</b> |     | <b>148.8812</b> |

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**3.6 Phase II Paving - 2020****Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Off-Road     | 0.8402        | 8.4514        | 8.8758        | 0.0135        |               | 0.4695        | 0.4695        |                | 0.4328        | 0.4328        | 0.0000        | 1,296.946<br>1         | 1,296.946<br>1         | 0.4111        |     | 1,307.224<br>6         |
| Paving       | 0.0000        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                        | 0.0000                 |               |     | 0.0000                 |
| <b>Total</b> | <b>0.8402</b> | <b>8.4514</b> | <b>8.8758</b> | <b>0.0135</b> |               | <b>0.4695</b> | <b>0.4695</b> |                | <b>0.4328</b> | <b>0.4328</b> | <b>0.0000</b> | <b>1,296.946<br/>1</b> | <b>1,296.946<br/>1</b> | <b>0.4111</b> |     | <b>1,307.224<br/>6</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| 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       | 0.0588        | 0.0395        | 0.5315        | 1.4900e-003        | 0.1453        | 1.1000e-003        | 0.1464        | 0.0385         | 1.0200e-003        | 0.0396        |          | 148.7743        | 148.7743        | 4.2800e-003        |     | 148.8812        |
| <b>Total</b> | <b>0.0588</b> | <b>0.0395</b> | <b>0.5315</b> | <b>1.4900e-003</b> | <b>0.1453</b> | <b>1.1000e-003</b> | <b>0.1464</b> | <b>0.0385</b>  | <b>1.0200e-003</b> | <b>0.0396</b> |          | <b>148.7743</b> | <b>148.7743</b> | <b>4.2800e-003</b> |     | <b>148.8812</b> |

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**3.7 Phase II Architectural Coating - 2020****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 | 22.9233        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2422         | 1.6838        | 1.8314        | 2.9700e-003        |               | 0.1109        | 0.1109        |                | 0.1109        | 0.1109        |          | 281.4481        | 281.4481        | 0.0218        |     | 281.9928        |
| <b>Total</b>    | <b>23.1655</b> | <b>1.6838</b> | <b>1.8314</b> | <b>2.9700e-003</b> |               | <b>0.1109</b> | <b>0.1109</b> |                | <b>0.1109</b> | <b>0.1109</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0218</b> |     | <b>281.9928</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| 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        | 0.0426        | 0.5724        | 1.6100e-003        | 0.1565        | 1.1900e-003        | 0.1577        | 0.0415         | 1.0900e-003        | 0.0426        |          | 160.2184        | 160.2184        | 4.6100e-003        |     | 160.3336        |
| <b>Total</b> | <b>0.0633</b> | <b>0.0426</b> | <b>0.5724</b> | <b>1.6100e-003</b> | <b>0.1565</b> | <b>1.1900e-003</b> | <b>0.1577</b> | <b>0.0415</b>  | <b>1.0900e-003</b> | <b>0.0426</b> |          | <b>160.2184</b> | <b>160.2184</b> | <b>4.6100e-003</b> |     | <b>160.3336</b> |

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**3.7 Phase II Architectural Coating - 2020****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 | 22.9233        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2422         | 1.6838        | 1.8314        | 2.9700e-003        |               | 0.1109        | 0.1109        |                | 0.1109        | 0.1109        | 0.0000        | 281.4481        | 281.4481        | 0.0218        |     | 281.9928        |
| <b>Total</b>    | <b>23.1655</b> | <b>1.6838</b> | <b>1.8314</b> | <b>2.9700e-003</b> |               | <b>0.1109</b> | <b>0.1109</b> |                | <b>0.1109</b> | <b>0.1109</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0218</b> |     | <b>281.9928</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| 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        | 0.0426        | 0.5724        | 1.6100e-003        | 0.1565        | 1.1900e-003        | 0.1577        | 0.0415         | 1.0900e-003        | 0.0426        |          | 160.2184        | 160.2184        | 4.6100e-003        |     | 160.3336        |
| <b>Total</b> | <b>0.0633</b> | <b>0.0426</b> | <b>0.5724</b> | <b>1.6100e-003</b> | <b>0.1565</b> | <b>1.1900e-003</b> | <b>0.1577</b> | <b>0.0415</b>  | <b>1.0900e-003</b> | <b>0.0426</b> |          | <b>160.2184</b> | <b>160.2184</b> | <b>4.6100e-003</b> |     | <b>160.3336</b> |

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**3.8 Phase III 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   |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 2.8889        | 0.0000        | 2.8889        | 0.4374         | 0.0000        | 0.4374        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.9930        | 19.6966        | 14.4925        | 0.0241        |               | 1.0409        | 1.0409        |                | 0.9715        | 0.9715        |          | 2,322.717<br>1         | 2,322.717<br>1         | 0.5940        |     | 2,337.565<br>8         |
| <b>Total</b>  | <b>1.9930</b> | <b>19.6966</b> | <b>14.4925</b> | <b>0.0241</b> | <b>2.8889</b> | <b>1.0409</b> | <b>3.9298</b> | <b>0.4374</b>  | <b>0.9715</b> | <b>1.4089</b> |          | <b>2,322.717<br/>1</b> | <b>2,322.717<br/>1</b> | <b>0.5940</b> |     | <b>2,337.565<br/>8</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| 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       | 0.0549        | 0.0356        | 0.4897        | 1.4400e-003        | 0.1453        | 1.0700e-003        | 0.1464        | 0.0385         | 9.9000e-004        | 0.0395        |          | 143.9624        | 143.9624        | 3.8700e-003        |     | 144.0592        |
| <b>Total</b> | <b>0.0549</b> | <b>0.0356</b> | <b>0.4897</b> | <b>1.4400e-003</b> | <b>0.1453</b> | <b>1.0700e-003</b> | <b>0.1464</b> | <b>0.0385</b>  | <b>9.9000e-004</b> | <b>0.0395</b> |          | <b>143.9624</b> | <b>143.9624</b> | <b>3.8700e-003</b> |     | <b>144.0592</b> |

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**3.8 Phase III Demolition - 2021****Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Fugitive Dust |               |                |                |               | 0.9013        | 0.0000        | 0.9013        | 0.1365         | 0.0000        | 0.1365        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 1.9930        | 19.6966        | 14.4925        | 0.0241        |               | 1.0409        | 1.0409        |                | 0.9715        | 0.9715        | 0.0000        | 2,322.717<br>1         | 2,322.717<br>1         | 0.5940        |     | 2,337.565<br>8         |
| <b>Total</b>  | <b>1.9930</b> | <b>19.6966</b> | <b>14.4925</b> | <b>0.0241</b> | <b>0.9013</b> | <b>1.0409</b> | <b>1.9422</b> | <b>0.1365</b>  | <b>0.9715</b> | <b>1.1079</b> | <b>0.0000</b> | <b>2,322.717<br/>1</b> | <b>2,322.717<br/>1</b> | <b>0.5940</b> |     | <b>2,337.565<br/>8</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| 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       | 0.0549        | 0.0356        | 0.4897        | 1.4400e-003        | 0.1453        | 1.0700e-003        | 0.1464        | 0.0385         | 9.9000e-004        | 0.0395        |          | 143.9624        | 143.9624        | 3.8700e-003        |     | 144.0592        |
| <b>Total</b> | <b>0.0549</b> | <b>0.0356</b> | <b>0.4897</b> | <b>1.4400e-003</b> | <b>0.1453</b> | <b>1.0700e-003</b> | <b>0.1464</b> | <b>0.0385</b>  | <b>9.9000e-004</b> | <b>0.0395</b> |          | <b>143.9624</b> | <b>143.9624</b> | <b>3.8700e-003</b> |     | <b>144.0592</b> |

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**3.9 Phase III 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 |               |                |               |               | 5.7996        | 0.0000        | 5.7996        | 2.9537         | 0.0000        | 2.9537        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.5558        | 17.4203        | 7.5605        | 0.0172        |               | 0.7654        | 0.7654        |                | 0.7041        | 0.7041        |          | 1,666.5174        | 1,666.5174        | 0.5390        |     | 1,679.9920        |
| <b>Total</b>  | <b>1.5558</b> | <b>17.4203</b> | <b>7.5605</b> | <b>0.0172</b> | <b>5.7996</b> | <b>0.7654</b> | <b>6.5650</b> | <b>2.9537</b>  | <b>0.7041</b> | <b>3.6578</b> |          | <b>1,666.5174</b> | <b>1,666.5174</b> | <b>0.5390</b> |     | <b>1,679.9920</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| 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       | 0.0338        | 0.0219        | 0.3014        | 8.9000e-004        | 0.0894        | 6.6000e-004        | 0.0901        | 0.0237         | 6.1000e-004        | 0.0243        |          | 88.5923        | 88.5923        | 2.3800e-003        |     | 88.6518        |
| <b>Total</b> | <b>0.0338</b> | <b>0.0219</b> | <b>0.3014</b> | <b>8.9000e-004</b> | <b>0.0894</b> | <b>6.6000e-004</b> | <b>0.0901</b> | <b>0.0237</b>  | <b>6.1000e-004</b> | <b>0.0243</b> |          | <b>88.5923</b> | <b>88.5923</b> | <b>2.3800e-003</b> |     | <b>88.6518</b> |

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**3.9 Phase III Site Preparation - 2021****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 |               |                |               |               | 1.8095        | 0.0000        | 1.8095        | 0.9216         | 0.0000        | 0.9216        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.5558        | 17.4203        | 7.5605        | 0.0172        |               | 0.7654        | 0.7654        |                | 0.7041        | 0.7041        | 0.0000        | 1,666.5174        | 1,666.5174        | 0.5390        |     | 1,679.9920        |
| <b>Total</b>  | <b>1.5558</b> | <b>17.4203</b> | <b>7.5605</b> | <b>0.0172</b> | <b>1.8095</b> | <b>0.7654</b> | <b>2.5748</b> | <b>0.9216</b>  | <b>0.7041</b> | <b>1.6257</b> | <b>0.0000</b> | <b>1,666.5174</b> | <b>1,666.5174</b> | <b>0.5390</b> |     | <b>1,679.9920</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| 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       | 0.0338        | 0.0219        | 0.3014        | 8.9000e-004        | 0.0894        | 6.6000e-004        | 0.0901        | 0.0237         | 6.1000e-004        | 0.0243        |          | 88.5923        | 88.5923        | 2.3800e-003        |     | 88.6518        |
| <b>Total</b> | <b>0.0338</b> | <b>0.0219</b> | <b>0.3014</b> | <b>8.9000e-004</b> | <b>0.0894</b> | <b>6.6000e-004</b> | <b>0.0901</b> | <b>0.0237</b>  | <b>6.1000e-004</b> | <b>0.0243</b> |          | <b>88.5923</b> | <b>88.5923</b> | <b>2.3800e-003</b> |     | <b>88.6518</b> |

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**3.10 Phase III 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 |               |                |               |               | 5.0870        | 0.0000        | 5.0870        | 2.5518         | 0.0000        | 2.5518        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.2884        | 14.3307        | 6.3314        | 0.0141        |               | 0.6379        | 0.6379        |                | 0.5869        | 0.5869        |          | 1,365.0648        | 1,365.0648        | 0.4415        |     | 1,376.1020        |
| <b>Total</b>  | <b>1.2884</b> | <b>14.3307</b> | <b>6.3314</b> | <b>0.0141</b> | <b>5.0870</b> | <b>0.6379</b> | <b>5.7249</b> | <b>2.5518</b>  | <b>0.5869</b> | <b>3.1387</b> |          | <b>1,365.0648</b> | <b>1,365.0648</b> | <b>0.4415</b> |     | <b>1,376.1020</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| 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       | 0.0338        | 0.0219        | 0.3014        | 8.9000e-004        | 0.0894        | 6.6000e-004        | 0.0901        | 0.0237         | 6.1000e-004        | 0.0243        |          | 88.5923        | 88.5923        | 2.3800e-003        |     | 88.6518        |
| <b>Total</b> | <b>0.0338</b> | <b>0.0219</b> | <b>0.3014</b> | <b>8.9000e-004</b> | <b>0.0894</b> | <b>6.6000e-004</b> | <b>0.0901</b> | <b>0.0237</b>  | <b>6.1000e-004</b> | <b>0.0243</b> |          | <b>88.5923</b> | <b>88.5923</b> | <b>2.3800e-003</b> |     | <b>88.6518</b> |

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**3.10 Phase III Grading - 2021****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 |               |                |               |               | 1.5871        | 0.0000        | 1.5871        | 0.7962         | 0.0000        | 0.7962        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 1.2884        | 14.3307        | 6.3314        | 0.0141        |               | 0.6379        | 0.6379        |                | 0.5869        | 0.5869        | 0.0000        | 1,365.0648        | 1,365.0648        | 0.4415        |     | 1,376.1020        |
| <b>Total</b>  | <b>1.2884</b> | <b>14.3307</b> | <b>6.3314</b> | <b>0.0141</b> | <b>1.5871</b> | <b>0.6379</b> | <b>2.2251</b> | <b>0.7962</b>  | <b>0.5869</b> | <b>1.3830</b> | <b>0.0000</b> | <b>1,365.0648</b> | <b>1,365.0648</b> | <b>0.4415</b> |     | <b>1,376.1020</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| 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       | 0.0338        | 0.0219        | 0.3014        | 8.9000e-004        | 0.0894        | 6.6000e-004        | 0.0901        | 0.0237         | 6.1000e-004        | 0.0243        |          | 88.5923        | 88.5923        | 2.3800e-003        |     | 88.6518        |
| <b>Total</b> | <b>0.0338</b> | <b>0.0219</b> | <b>0.3014</b> | <b>8.9000e-004</b> | <b>0.0894</b> | <b>6.6000e-004</b> | <b>0.0901</b> | <b>0.0237</b>  | <b>6.1000e-004</b> | <b>0.0243</b> |          | <b>88.5923</b> | <b>88.5923</b> | <b>2.3800e-003</b> |     | <b>88.6518</b> |

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**3.11 Phase III Building Construction - 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     | 1.8125        | 13.6361        | 12.8994        | 0.0221        |               | 0.6843        | 0.6843        |                | 0.6608        | 0.6608        |          | 2,001.2200        | 2,001.2200        | 0.3573        |     | 2,010.1517        |
| <b>Total</b> | <b>1.8125</b> | <b>13.6361</b> | <b>12.8994</b> | <b>0.0221</b> |               | <b>0.6843</b> | <b>0.6843</b> |                | <b>0.6608</b> | <b>0.6608</b> |          | <b>2,001.2200</b> | <b>2,001.2200</b> | <b>0.3573</b> |     | <b>2,010.1517</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0390        | 1.3353        | 0.3169        | 3.5700e-003   | 0.0896        | 2.6900e-003        | 0.0923        | 0.0258         | 2.5700e-003        | 0.0284        |          | 381.4139          | 381.4139          | 0.0231        |     | 381.9907          |
| Worker       | 0.3039        | 0.1971        | 2.7124        | 8.0000e-003   | 0.8048        | 5.9200e-003        | 0.8107        | 0.2134         | 5.4600e-003        | 0.2189        |          | 797.3304          | 797.3304          | 0.0214        |     | 797.8664          |
| <b>Total</b> | <b>0.3429</b> | <b>1.5324</b> | <b>3.0293</b> | <b>0.0116</b> | <b>0.8944</b> | <b>8.6100e-003</b> | <b>0.9030</b> | <b>0.2392</b>  | <b>8.0300e-003</b> | <b>0.2473</b> |          | <b>1,178.7442</b> | <b>1,178.7442</b> | <b>0.0445</b> |     | <b>1,179.8571</b> |

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**3.11 Phase III Building Construction - 2021****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     | 1.8125        | 13.6361        | 12.8994        | 0.0221        |               | 0.6843        | 0.6843        |                | 0.6608        | 0.6608        | 0.0000        | 2,001.2200        | 2,001.2200        | 0.3573        |     | 2,010.1517        |
| <b>Total</b> | <b>1.8125</b> | <b>13.6361</b> | <b>12.8994</b> | <b>0.0221</b> |               | <b>0.6843</b> | <b>0.6843</b> |                | <b>0.6608</b> | <b>0.6608</b> | <b>0.0000</b> | <b>2,001.2200</b> | <b>2,001.2200</b> | <b>0.3573</b> |     | <b>2,010.1517</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |                    |               |                |                    |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.0390        | 1.3353        | 0.3169        | 3.5700e-003   | 0.0896        | 2.6900e-003        | 0.0923        | 0.0258         | 2.5700e-003        | 0.0284        |          | 381.4139          | 381.4139          | 0.0231        |     | 381.9907          |
| Worker       | 0.3039        | 0.1971        | 2.7124        | 8.0000e-003   | 0.8048        | 5.9200e-003        | 0.8107        | 0.2134         | 5.4600e-003        | 0.2189        |          | 797.3304          | 797.3304          | 0.0214        |     | 797.8664          |
| <b>Total</b> | <b>0.3429</b> | <b>1.5324</b> | <b>3.0293</b> | <b>0.0116</b> | <b>0.8944</b> | <b>8.6100e-003</b> | <b>0.9030</b> | <b>0.2392</b>  | <b>8.0300e-003</b> | <b>0.2473</b> |          | <b>1,178.7442</b> | <b>1,178.7442</b> | <b>0.0445</b> |     | <b>1,179.8571</b> |

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**3.12 Phase III Paving - 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     | 0.7739        | 7.7422        | 8.8569        | 0.0135        |               | 0.4153        | 0.4153        |                | 0.3830        | 0.3830        |          | 1,296.866<br>4         | 1,296.866<br>4         | 0.4111        |     | 1,307.144<br>2         |
| Paving       | 0.0000        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                        | 0.0000                 |               |     | 0.0000                 |
| <b>Total</b> | <b>0.7739</b> | <b>7.7422</b> | <b>8.8569</b> | <b>0.0135</b> |               | <b>0.4153</b> | <b>0.4153</b> |                | <b>0.3830</b> | <b>0.3830</b> |          | <b>1,296.866<br/>4</b> | <b>1,296.866<br/>4</b> | <b>0.4111</b> |     | <b>1,307.144<br/>2</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| 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       | 0.0549        | 0.0356        | 0.4897        | 1.4400e-003        | 0.1453        | 1.0700e-003        | 0.1464        | 0.0385         | 9.9000e-004        | 0.0395        |          | 143.9624        | 143.9624        | 3.8700e-003        |     | 144.0592        |
| <b>Total</b> | <b>0.0549</b> | <b>0.0356</b> | <b>0.4897</b> | <b>1.4400e-003</b> | <b>0.1453</b> | <b>1.0700e-003</b> | <b>0.1464</b> | <b>0.0385</b>  | <b>9.9000e-004</b> | <b>0.0395</b> |          | <b>143.9624</b> | <b>143.9624</b> | <b>3.8700e-003</b> |     | <b>144.0592</b> |

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**3.12 Phase III Paving - 2021****Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2              | Total CO2              | CH4           | N2O | CO2e                   |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                        |                        |               |     |                        |
| Off-Road     | 0.7739        | 7.7422        | 8.8569        | 0.0135        |               | 0.4153        | 0.4153        |                | 0.3830        | 0.3830        | 0.0000        | 1,296.866<br>4         | 1,296.866<br>4         | 0.4111        |     | 1,307.144<br>2         |
| Paving       | 0.0000        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                        | 0.0000                 |               |     | 0.0000                 |
| <b>Total</b> | <b>0.7739</b> | <b>7.7422</b> | <b>8.8569</b> | <b>0.0135</b> |               | <b>0.4153</b> | <b>0.4153</b> |                | <b>0.3830</b> | <b>0.3830</b> | <b>0.0000</b> | <b>1,296.866<br/>4</b> | <b>1,296.866<br/>4</b> | <b>0.4111</b> |     | <b>1,307.144<br/>2</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| 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       | 0.0549        | 0.0356        | 0.4897        | 1.4400e-003        | 0.1453        | 1.0700e-003        | 0.1464        | 0.0385         | 9.9000e-004        | 0.0395        |          | 143.9624        | 143.9624        | 3.8700e-003        |     | 144.0592        |
| <b>Total</b> | <b>0.0549</b> | <b>0.0356</b> | <b>0.4897</b> | <b>1.4400e-003</b> | <b>0.1453</b> | <b>1.0700e-003</b> | <b>0.1464</b> | <b>0.0385</b>  | <b>9.9000e-004</b> | <b>0.0395</b> |          | <b>143.9624</b> | <b>143.9624</b> | <b>3.8700e-003</b> |     | <b>144.0592</b> |

1809 Verdugo Blvd - South Coast AQMD Air District, Summer

**3.13 Phase III Architectural Coating - 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   |                 |                 |               |     |                 |
| Archit. Coating | 22.9233        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2189         | 1.5268        | 1.8176        | 2.9700e-003        |               | 0.0941        | 0.0941        |                | 0.0941        | 0.0941        |          | 281.4481        | 281.4481        | 0.0193        |     | 281.9309        |
| <b>Total</b>    | <b>23.1422</b> | <b>1.5268</b> | <b>1.8176</b> | <b>2.9700e-003</b> |               | <b>0.0941</b> | <b>0.0941</b> |                | <b>0.0941</b> | <b>0.0941</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0193</b> |     | <b>281.9309</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| 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       | 0.0591        | 0.0383        | 0.5274        | 1.5600e-003        | 0.1565        | 1.1500e-003        | 0.1576        | 0.0415         | 1.0600e-003        | 0.0426        |          | 155.0365        | 155.0365        | 4.1700e-003        |     | 155.1407        |
| <b>Total</b> | <b>0.0591</b> | <b>0.0383</b> | <b>0.5274</b> | <b>1.5600e-003</b> | <b>0.1565</b> | <b>1.1500e-003</b> | <b>0.1576</b> | <b>0.0415</b>  | <b>1.0600e-003</b> | <b>0.0426</b> |          | <b>155.0365</b> | <b>155.0365</b> | <b>4.1700e-003</b> |     | <b>155.1407</b> |

1809 Verdugo Blvd - South Coast AQMD Air District, Summer

**3.13 Phase III Architectural Coating - 2021****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 | 22.9233        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2189         | 1.5268        | 1.8176        | 2.9700e-003        |               | 0.0941        | 0.0941        |                | 0.0941        | 0.0941        | 0.0000        | 281.4481        | 281.4481        | 0.0193        |     | 281.9309        |
| <b>Total</b>    | <b>23.1422</b> | <b>1.5268</b> | <b>1.8176</b> | <b>2.9700e-003</b> |               | <b>0.0941</b> | <b>0.0941</b> |                | <b>0.0941</b> | <b>0.0941</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0193</b> |     | <b>281.9309</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| 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       | 0.0591        | 0.0383        | 0.5274        | 1.5600e-003        | 0.1565        | 1.1500e-003        | 0.1576        | 0.0415         | 1.0600e-003        | 0.0426        |          | 155.0365        | 155.0365        | 4.1700e-003        |     | 155.1407        |
| <b>Total</b> | <b>0.0591</b> | <b>0.0383</b> | <b>0.5274</b> | <b>1.5600e-003</b> | <b>0.1565</b> | <b>1.1500e-003</b> | <b>0.1576</b> | <b>0.0415</b>  | <b>1.0600e-003</b> | <b>0.0426</b> |          | <b>155.0365</b> | <b>155.0365</b> | <b>4.1700e-003</b> |     | <b>155.1407</b> |

1809 Verdugo Blvd - South Coast AQMD Air District, Summer

**3.13 Phase III 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 | 22.9233        |               |               |                    |               | 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>23.1279</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> |

**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       | 0.0554        | 0.0346        | 0.4877        | 1.5000e-003        | 0.1565        | 1.1200e-003        | 0.1576        | 0.0415         | 1.0300e-003        | 0.0425        |          | 149.4814        | 149.4814        | 3.7700e-003        |     | 149.5756        |
| <b>Total</b> | <b>0.0554</b> | <b>0.0346</b> | <b>0.4877</b> | <b>1.5000e-003</b> | <b>0.1565</b> | <b>1.1200e-003</b> | <b>0.1576</b> | <b>0.0415</b>  | <b>1.0300e-003</b> | <b>0.0425</b> |          | <b>149.4814</b> | <b>149.4814</b> | <b>3.7700e-003</b> |     | <b>149.5756</b> |

1809 Verdugo Blvd - South Coast AQMD Air District, Summer

**3.13 Phase III Architectural Coating - 2022****Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 22.9233        |               |               |                    |               | 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>23.1279</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> |

**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       | 0.0554        | 0.0346        | 0.4877        | 1.5000e-003        | 0.1565        | 1.1200e-003        | 0.1576        | 0.0415         | 1.0300e-003        | 0.0425        |          | 149.4814        | 149.4814        | 3.7700e-003        |     | 149.5756        |
| <b>Total</b> | <b>0.0554</b> | <b>0.0346</b> | <b>0.4877</b> | <b>1.5000e-003</b> | <b>0.1565</b> | <b>1.1200e-003</b> | <b>0.1576</b> | <b>0.0415</b>  | <b>1.0300e-003</b> | <b>0.0425</b> |          | <b>149.4814</b> | <b>149.4814</b> | <b>3.7700e-003</b> |     | <b>149.5756</b> |

**4.0 Operational Detail - Mobile**

1809 Verdugo Blvd - South Coast AQMD Air District, Summer

**4.1 Mitigation Measures Mobile**

|             | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2  | Total CO2  | CH4    | N2O | CO2e       |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |            |            |        |     |            |
| Mitigated   | 0.3768 | 1.9286 | 5.0377 | 0.0192 | 1.5728        | 0.0145       | 1.5874     | 0.4208         | 0.0136        | 0.4344      |          | 1,950.0248 | 1,950.0248 | 0.0897 |     | 1,952.2671 |
| Unmitigated | 0.3768 | 1.9286 | 5.0377 | 0.0192 | 1.5728        | 0.0145       | 1.5874     | 0.4208         | 0.0136        | 0.4344      |          | 1,950.0248 | 1,950.0248 | 0.0897 |     | 1,952.2671 |

**4.2 Trip Summary Information**

| Land Use                          | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|-----------------------------------|-------------------------|----------|--------|-------------|------------|
|                                   | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Congregate Care (Assisted Living) | 216.46                  | 173.80   | 192.76 | 707,282     | 707,282    |
| Enclosed Parking with Elevator    | 0.00                    | 0.00     | 0.00   |             |            |
| Enclosed Parking with Elevator    | 0.00                    | 0.00     | 0.00   |             |            |
| Unenclosed Parking with Elevator  | 0.00                    | 0.00     | 0.00   |             |            |
| Total                             | 216.46                  | 173.80   | 192.76 | 707,282     | 707,282    |

**4.3 Trip Type Information**

## 1809 Verdugo Blvd - South Coast AQMD Air District, Summer

| 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 |
| Congregate Care (Assisted      | 14.70      | 5.90       | 8.70        | 40.20      | 19.20      | 40.60       | 86             | 11       | 3       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Unenclosed Parking with        | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

**4.4 Fleet Mix**

| Land Use                          | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Congregate Care (Assisted Living) | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Enclosed Parking with Elevator    | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |
| Unenclosed Parking with Elevator  | 0.549559 | 0.042893 | 0.201564 | 0.118533 | 0.015569 | 0.005846 | 0.021394 | 0.034255 | 0.002099 | 0.001828 | 0.004855 | 0.000709 | 0.000896 |

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

## 1809 Verdugo Blvd - 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   |           |           |             |             |          |
| NaturalGas Mitigated   | 0.0256 | 0.2190 | 0.0932 | 1.4000e-003 |               | 0.0177       | 0.0177     |                | 0.0177        | 0.0177      |          | 279.5411  | 279.5411  | 5.3600e-003 | 5.1200e-003 | 281.2023 |
| NaturalGas Unmitigated | 0.0256 | 0.2190 | 0.0932 | 1.4000e-003 |               | 0.0177       | 0.0177     |                | 0.0177        | 0.0177      |          | 279.5411  | 279.5411  | 5.3600e-003 | 5.1200e-003 | 281.2023 |

## 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   |                 |                 |                    |                    |                 |
| Congregate Care (Assisted Living) | 2376.1         | 0.0256        | 0.2190        | 0.0932        | 1.4000e-003        |               | 0.0177        | 0.0177        |                | 0.0177        | 0.0177        |          | 279.5411        | 279.5411        | 5.3600e-003        | 5.1200e-003        | 281.2023        |
| Enclosed Parking with Elevator    | 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          |
| Unenclosed Parking with Elevator  | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| <b>Total</b>                      |                | <b>0.0256</b> | <b>0.2190</b> | <b>0.0932</b> | <b>1.4000e-003</b> |               | <b>0.0177</b> | <b>0.0177</b> |                | <b>0.0177</b> | <b>0.0177</b> |          | <b>279.5411</b> | <b>279.5411</b> | <b>5.3600e-003</b> | <b>5.1200e-003</b> | <b>281.2023</b> |

1809 Verdugo Blvd - South Coast AQMD Air District, Summer

**5.2 Energy by Land Use - NaturalGas****Mitigated**

|                                   | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|-----------------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use                          | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |                    |                    |                 |
| Congregate Care (Assisted Living) | 2.3761         | 0.0256        | 0.2190        | 0.0932        | 1.4000e-003        |               | 0.0177        | 0.0177        |                | 0.0177        | 0.0177        |          | 279.5411        | 279.5411        | 5.3600e-003        | 5.1200e-003        | 281.2023        |
| Enclosed Parking with Elevator    | 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          |
| Unenclosed Parking with Elevator  | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| <b>Total</b>                      |                | <b>0.0256</b> | <b>0.2190</b> | <b>0.0932</b> | <b>1.4000e-003</b> |               | <b>0.0177</b> | <b>0.0177</b> |                | <b>0.0177</b> | <b>0.0177</b> |          | <b>279.5411</b> | <b>279.5411</b> | <b>5.3600e-003</b> | <b>5.1200e-003</b> | <b>281.2023</b> |

**6.0 Area Detail****6.1 Mitigation Measures Area**

Use Low VOC Paint - Residential Exterior

## 1809 Verdugo Blvd - 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   | 21.6685 | 1.7145 | 46.7186 | 0.1028 |               | 6.0708       | 6.0708     |                | 6.0708        | 6.0708      | 739.9866 | 1,433.7750 | 2,173.7616 | 2.2182 | 0.0502 | 2,244.1839 |
| Unmitigated | 21.6685 | 1.7145 | 46.7186 | 0.1028 |               | 6.0708       | 6.0708     |                | 6.0708        | 6.0708      | 739.9866 | 1,433.7750 | 2,173.7616 | 2.2182 | 0.0502 | 2,244.1839 |

## 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 | 0.0628         |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |                 |                   | 0.0000            |               |               | 0.0000            |
| Consumer Products     | 0.7060         |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |                 |                   | 0.0000            |               |               | 0.0000            |
| Hearth                | 20.7008        | 1.6391        | 40.1756        | 0.1025        |               | 6.0347        | 6.0347        |                | 6.0347        | 6.0347        | 739.9866        | 1,422.0000        | 2,161.9866        | 2.2068        | 0.0502        | 2,232.1232        |
| Landscaping           | 0.1988         | 0.0754        | 6.5430         | 3.5000e-004   |               | 0.0361        | 0.0361        |                | 0.0361        | 0.0361        |                 | 11.7750           | 11.7750           | 0.0114        |               | 12.0607           |
| <b>Total</b>          | <b>21.6685</b> | <b>1.7145</b> | <b>46.7186</b> | <b>0.1028</b> |               | <b>6.0708</b> | <b>6.0708</b> |                | <b>6.0708</b> | <b>6.0708</b> | <b>739.9866</b> | <b>1,433.7750</b> | <b>2,173.7616</b> | <b>2.2182</b> | <b>0.0502</b> | <b>2,244.1839</b> |

1809 Verdugo Blvd - 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 | 0.0628         |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |                 |                   | 0.0000            |               |               | 0.0000            |
| Consumer Products     | 0.7060         |               |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |                 |                   | 0.0000            |               |               | 0.0000            |
| Hearth                | 20.7008        | 1.6391        | 40.1756        | 0.1025        |               | 6.0347        | 6.0347        |                | 6.0347        | 6.0347        | 739.9866        | 1,422.0000        | 2,161.9866        | 2.2068        | 0.0502        | 2,232.1232        |
| Landscaping           | 0.1988         | 0.0754        | 6.5430         | 3.5000e-004   |               | 0.0361        | 0.0361        |                | 0.0361        | 0.0361        |                 | 11.7750           | 11.7750           | 0.0114        |               | 12.0607           |
| <b>Total</b>          | <b>21.6685</b> | <b>1.7145</b> | <b>46.7186</b> | <b>0.1028</b> |               | <b>6.0708</b> | <b>6.0708</b> |                | <b>6.0708</b> | <b>6.0708</b> | <b>739.9866</b> | <b>1,433.7750</b> | <b>2,173.7616</b> | <b>2.2182</b> | <b>0.0502</b> | <b>2,244.1839</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**

1809 Verdugo Blvd - 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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