

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

6265-6365 San Fernando Road
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------|--------|----------|-------------|--------------------|------------|
| General Office Building | 12.59 | 1000sqft | 0.57 | 12,587.00 | 0 |
| General Office Building | 14.26 | 1000sqft | 0.70 | 14,260.00 | 0 |
| General Office Building | 52.00 | 1000sqft | 1.85 | 52,000.00 | 0 |
| General Office Building | 10.00 | 1000sqft | 1.04 | 10,000.00 | 0 |
| Parking Lot | 286.00 | Space | 0.00 | 114,400.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 31 |
| Climate Zone | 12 | | | Operational Year | 2021 |
| Utility Company | Glendale Water & Power | | | | |
| CO2 Intensity (lb/MWhr) | 1115.33 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - 6,500 SF addition to (e) 1-story, 6,087 SF building, 2,780 SF addition and 4,832 SF mezzanine addition in an (E) 6,648 SF building, demolish 848 SF of (E) 52,848 SF building and a 7,789 SF addition to an (E) 1-story, 2,211 SF building

Land Use - 12,587 SF building on 25,240 SF (0.57) of the project site, 14,260 SF building on 30,290 SF (0.70 acre) of the project site, 52,000 SF building on 80,937 SF (1.85 acres), 10,000 SF building on 45,363 SF (1.04 acres) of the project site.

Grading - 426 CY (cut), 1,000 CY (fill), NET 574 CY (fill)

Demolition - The parking lots across 5627-022-006, 5627-022-004, 5627-022-003 and 5627-022-002 will be removed, and portions of the south facing facade of the building will be demolished. It is estimated approximately 494.4 tons of debris will result from the project.

Energy Use -

| Table Name | Column Name | Default Value | New Value |
|----------------|-------------------|---------------|-----------|
| tblLandUse | LandUseSquareFeet | 12,590.00 | 12,587.00 |
| tblLandUse | LotAcreage | 0.23 | 1.04 |
| tblLandUse | LotAcreage | 0.29 | 0.57 |
| tblLandUse | LotAcreage | 0.33 | 0.70 |
| tblLandUse | LotAcreage | 1.19 | 1.85 |
| tblLandUse | LotAcreage | 2.57 | 0.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 72.00 |

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2020 | 0.0323 | 0.3224 | 0.2134 | 4.0000e-004 | 7.0000e-003 | 0.0158 | 0.0228 | 1.2900e-003 | 0.0147 | 0.0160 | 0.0000 | 35.4625 | 35.4625 | 9.2800e-003 | 0.0000 | 35.6945 |
| 2021 | 0.2971 | 2.7174 | 2.5450 | 5.4300e-003 | 0.1955 | 0.1272 | 0.3227 | 0.0718 | 0.1193 | 0.1911 | 0.0000 | 482.4360 | 482.4360 | 0.0836 | 0.0000 | 484.5248 |
| 2022 | 0.4306 | 0.0178 | 0.0271 | 5.0000e-005 | 1.5900e-003 | 9.9000e-004 | 2.5800e-003 | 4.2000e-004 | 9.7000e-004 | 1.3900e-003 | 0.0000 | 4.4528 | 4.4528 | 4.4000e-004 | 0.0000 | 4.4638 |
| Maximum | 0.4306 | 2.7174 | 2.5450 | 5.4300e-003 | 0.1955 | 0.1272 | 0.3227 | 0.0718 | 0.1193 | 0.1911 | 0.0000 | 482.4360 | 482.4360 | 0.0836 | 0.0000 | 484.5248 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2020 | 0.0323 | 0.3224 | 0.2134 | 4.0000e-004 | 7.0000e-003 | 0.0158 | 0.0228 | 1.2900e-003 | 0.0147 | 0.0160 | 0.0000 | 35.4625 | 35.4625 | 9.2800e-003 | 0.0000 | 35.6945 |
| 2021 | 0.2971 | 2.7174 | 2.5450 | 5.4300e-003 | 0.1955 | 0.1272 | 0.3227 | 0.0718 | 0.1193 | 0.1911 | 0.0000 | 482.4356 | 482.4356 | 0.0836 | 0.0000 | 484.5244 |
| 2022 | 0.4306 | 0.0178 | 0.0271 | 5.0000e-005 | 1.5900e-003 | 9.9000e-004 | 2.5800e-003 | 4.2000e-004 | 9.7000e-004 | 1.3900e-003 | 0.0000 | 4.4527 | 4.4527 | 4.4000e-004 | 0.0000 | 4.4638 |
| Maximum | 0.4306 | 2.7174 | 2.5450 | 5.4300e-003 | 0.1955 | 0.1272 | 0.3227 | 0.0718 | 0.1193 | 0.1911 | 0.0000 | 482.4356 | 482.4356 | 0.0836 | 0.0000 | 484.5244 |

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

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1 | 12-7-2020 | 3-6-2021 | 0.9557 | 0.9557 |
| 2 | 3-7-2021 | 6-6-2021 | 0.7594 | 0.7594 |
| 3 | 6-7-2021 | 9-6-2021 | 0.7590 | 0.7590 |
| 4 | 9-7-2021 | 12-6-2021 | 0.7518 | 0.7518 |
| 5 | 12-7-2021 | 3-6-2022 | 0.5493 | 0.5493 |
| | | Highest | 0.9557 | 0.9557 |

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.3717 | 4.0000e-005 | 4.8000e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.3000e-003 | 9.3000e-003 | 2.0000e-005 | 0.0000 | 9.9200e-003 |
| Energy | 4.9900e-003 | 0.0453 | 0.0381 | 2.7000e-004 | | 3.4500e-003 | 3.4500e-003 | | 3.4500e-003 | 3.4500e-003 | 0.0000 | 653.4891 | 653.4891 | 0.0167 | 4.1500e-003 | 655.1436 |
| Mobile | 0.2301 | 1.2854 | 3.0868 | 0.0112 | 0.9114 | 9.1000e-003 | 0.9205 | 0.2442 | 8.5000e-003 | 0.2527 | 0.0000 | 1,034.3346 | 1,034.3346 | 0.0512 | 0.0000 | 1,035.6152 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 16.7731 | 0.0000 | 16.7731 | 0.9913 | 0.0000 | 41.5548 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 5.0100 | 158.4262 | 163.4361 | 0.5187 | 0.0130 | 180.2781 |
| Total | 0.6067 | 1.3307 | 3.1297 | 0.0115 | 0.9114 | 0.0126 | 0.9240 | 0.2442 | 0.0120 | 0.2562 | 21.7831 | 1,846.2591 | 1,868.0422 | 1.5779 | 0.0172 | 1,912.6016 |

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2.2 Overall Operational

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.3717 | 4.0000e-005 | 4.8000e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.3000e-003 | 9.3000e-003 | 2.0000e-005 | 0.0000 | 9.9200e-003 |
| Energy | 4.9900e-003 | 0.0453 | 0.0381 | 2.7000e-004 | | 3.4500e-003 | 3.4500e-003 | | 3.4500e-003 | 3.4500e-003 | 0.0000 | 653.4891 | 653.4891 | 0.0167 | 4.1500e-003 | 655.1436 |
| Mobile | 0.2301 | 1.2854 | 3.0868 | 0.0112 | 0.9114 | 9.1000e-003 | 0.9205 | 0.2442 | 8.5000e-003 | 0.2527 | 0.0000 | 1,034.3346 | 1,034.3346 | 0.0512 | 0.0000 | 1,035.6152 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 16.7731 | 0.0000 | 16.7731 | 0.9913 | 0.0000 | 41.5548 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 5.0100 | 158.4262 | 163.4361 | 0.5187 | 0.0130 | 180.2781 |
| Total | 0.6067 | 1.3307 | 3.1297 | 0.0115 | 0.9114 | 0.0126 | 0.9240 | 0.2442 | 0.0120 | 0.2562 | 21.7831 | 1,846.2591 | 1,868.0422 | 1.5779 | 0.0172 | 1,912.6016 |

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

3.0 Construction Detail

Construction Phase

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| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 12/7/2020 | 1/1/2021 | 5 | 20 | |
| 2 | Site Preparation | Site Preparation | 1/2/2021 | 1/8/2021 | 5 | 5 | |
| 3 | Grading | Grading | 1/9/2021 | 1/20/2021 | 5 | 8 | |
| 4 | Building Construction | Building Construction | 1/21/2021 | 12/8/2021 | 5 | 230 | |
| 5 | Paving | Paving | 12/9/2021 | 1/3/2022 | 5 | 18 | |
| 6 | Architectural Coating | Architectural Coating | 1/4/2022 | 1/27/2022 | 5 | 18 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 133,271; Non-Residential Outdoor: 44,424; Striped Parking Area: 6,864 (Architectural Coating – sqft)

OffRoad Equipment

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| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 2 | 6.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 6.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 6.00 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

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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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 6 | 15.00 | 0.00 | 49.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 72.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 76.00 | 33.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 8 | 20.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 15.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3.2 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 5.0300e-003 | 0.0000 | 5.0300e-003 | 7.6000e-004 | 0.0000 | 7.6000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0315 | 0.3154 | 0.2067 | 3.7000e-004 | | 0.0158 | 0.0158 | | 0.0147 | 0.0147 | 0.0000 | 32.2987 | 32.2987 | 9.1200e-003 | 0.0000 | 32.5266 |
| Total | 0.0315 | 0.3154 | 0.2067 | 3.7000e-004 | 5.0300e-003 | 0.0158 | 0.0208 | 7.6000e-004 | 0.0147 | 0.0154 | 0.0000 | 32.2987 | 32.2987 | 9.1200e-003 | 0.0000 | 32.5266 |

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3.2 Demolition - 2020

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.8000e-004 | 6.5300e-003 | 1.3000e-003 | 2.0000e-005 | 4.2000e-004 | 2.0000e-005 | 4.4000e-004 | 1.1000e-004 | 2.0000e-005 | 1.3000e-004 | 0.0000 | 1.7564 | 1.7564 | 1.2000e-004 | 0.0000 | 1.7595 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.4000e-004 | 4.9000e-004 | 5.4000e-003 | 2.0000e-005 | 1.5600e-003 | 1.0000e-005 | 1.5800e-003 | 4.2000e-004 | 1.0000e-005 | 4.3000e-004 | 0.0000 | 1.4074 | 1.4074 | 4.0000e-005 | 0.0000 | 1.4084 |
| Total | 8.2000e-004 | 7.0200e-003 | 6.7000e-003 | 4.0000e-005 | 1.9800e-003 | 3.0000e-005 | 2.0200e-003 | 5.3000e-004 | 3.0000e-005 | 5.6000e-004 | 0.0000 | 3.1638 | 3.1638 | 1.6000e-004 | 0.0000 | 3.1679 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 5.0300e-003 | 0.0000 | 5.0300e-003 | 7.6000e-004 | 0.0000 | 7.6000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0315 | 0.3154 | 0.2067 | 3.7000e-004 | | 0.0158 | 0.0158 | | 0.0147 | 0.0147 | 0.0000 | 32.2986 | 32.2986 | 9.1200e-003 | 0.0000 | 32.5266 |
| Total | 0.0315 | 0.3154 | 0.2067 | 3.7000e-004 | 5.0300e-003 | 0.0158 | 0.0208 | 7.6000e-004 | 0.0147 | 0.0154 | 0.0000 | 32.2986 | 32.2986 | 9.1200e-003 | 0.0000 | 32.5266 |

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3.2 Demolition - 2020

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.8000e-004 | 6.5300e-003 | 1.3000e-003 | 2.0000e-005 | 4.2000e-004 | 2.0000e-005 | 4.4000e-004 | 1.1000e-004 | 2.0000e-005 | 1.3000e-004 | 0.0000 | 1.7564 | 1.7564 | 1.2000e-004 | 0.0000 | 1.7595 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.4000e-004 | 4.9000e-004 | 5.4000e-003 | 2.0000e-005 | 1.5600e-003 | 1.0000e-005 | 1.5800e-003 | 4.2000e-004 | 1.0000e-005 | 4.3000e-004 | 0.0000 | 1.4074 | 1.4074 | 4.0000e-005 | 0.0000 | 1.4084 |
| Total | 8.2000e-004 | 7.0200e-003 | 6.7000e-003 | 4.0000e-005 | 1.9800e-003 | 3.0000e-005 | 2.0200e-003 | 5.3000e-004 | 3.0000e-005 | 5.6000e-004 | 0.0000 | 3.1638 | 3.1638 | 1.6000e-004 | 0.0000 | 3.1679 |

3.2 Demolition - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 2.6000e-004 | 0.0000 | 2.6000e-004 | 4.0000e-005 | 0.0000 | 4.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.5800e-003 | 0.0157 | 0.0108 | 2.0000e-005 | | 7.8000e-004 | 7.8000e-004 | | 7.2000e-004 | 7.2000e-004 | 0.0000 | 1.7000 | 1.7000 | 4.8000e-004 | 0.0000 | 1.7120 |
| Total | 1.5800e-003 | 0.0157 | 0.0108 | 2.0000e-005 | 2.6000e-004 | 7.8000e-004 | 1.0400e-003 | 4.0000e-005 | 7.2000e-004 | 7.6000e-004 | 0.0000 | 1.7000 | 1.7000 | 4.8000e-004 | 0.0000 | 1.7120 |

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3.2 Demolition - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.0000e-005 | 3.2000e-004 | 7.0000e-005 | 0.0000 | 3.2000e-004 | 0.0000 | 3.2000e-004 | 8.0000e-005 | 0.0000 | 8.0000e-005 | 0.0000 | 0.0915 | 0.0915 | 1.0000e-005 | 0.0000 | 0.0916 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-005 | 2.0000e-005 | 2.6000e-004 | 0.0000 | 8.0000e-005 | 0.0000 | 8.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0717 | 0.0717 | 0.0000 | 0.0000 | 0.0717 |
| Total | 4.0000e-005 | 3.4000e-004 | 3.3000e-004 | 0.0000 | 4.0000e-004 | 0.0000 | 4.0000e-004 | 1.0000e-004 | 0.0000 | 1.0000e-004 | 0.0000 | 0.1631 | 0.1631 | 1.0000e-005 | 0.0000 | 0.1634 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 2.6000e-004 | 0.0000 | 2.6000e-004 | 4.0000e-005 | 0.0000 | 4.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.5800e-003 | 0.0157 | 0.0108 | 2.0000e-005 | | 7.8000e-004 | 7.8000e-004 | | 7.2000e-004 | 7.2000e-004 | 0.0000 | 1.7000 | 1.7000 | 4.8000e-004 | 0.0000 | 1.7120 |
| Total | 1.5800e-003 | 0.0157 | 0.0108 | 2.0000e-005 | 2.6000e-004 | 7.8000e-004 | 1.0400e-003 | 4.0000e-005 | 7.2000e-004 | 7.6000e-004 | 0.0000 | 1.7000 | 1.7000 | 4.8000e-004 | 0.0000 | 1.7120 |

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3.2 Demolition - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.0000e-005 | 3.2000e-004 | 7.0000e-005 | 0.0000 | 3.2000e-004 | 0.0000 | 3.2000e-004 | 8.0000e-005 | 0.0000 | 8.0000e-005 | 0.0000 | 0.0915 | 0.0915 | 1.0000e-005 | 0.0000 | 0.0916 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-005 | 2.0000e-005 | 2.6000e-004 | 0.0000 | 8.0000e-005 | 0.0000 | 8.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0717 | 0.0717 | 0.0000 | 0.0000 | 0.0717 |
| Total | 4.0000e-005 | 3.4000e-004 | 3.3000e-004 | 0.0000 | 4.0000e-004 | 0.0000 | 4.0000e-004 | 1.0000e-004 | 0.0000 | 1.0000e-004 | 0.0000 | 0.1631 | 0.1631 | 1.0000e-005 | 0.0000 | 0.1634 |

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0452 | 0.0000 | 0.0452 | 0.0248 | 0.0000 | 0.0248 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 9.7200e-003 | 0.1012 | 0.0529 | 1.0000e-004 | | 5.1100e-003 | 5.1100e-003 | | 4.7000e-003 | 4.7000e-003 | 0.0000 | 8.3589 | 8.3589 | 2.7000e-003 | 0.0000 | 8.4265 |
| Total | 9.7200e-003 | 0.1012 | 0.0529 | 1.0000e-004 | 0.0452 | 5.1100e-003 | 0.0503 | 0.0248 | 4.7000e-003 | 0.0295 | 0.0000 | 8.3589 | 8.3589 | 2.7000e-003 | 0.0000 | 8.4265 |

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3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.9000e-004 | 1.4000e-004 | 1.5700e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.4301 | 0.4301 | 1.0000e-005 | 0.0000 | 0.4303 |
| Total | 1.9000e-004 | 1.4000e-004 | 1.5700e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.4301 | 0.4301 | 1.0000e-005 | 0.0000 | 0.4303 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0452 | 0.0000 | 0.0452 | 0.0248 | 0.0000 | 0.0248 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 9.7200e-003 | 0.1012 | 0.0529 | 1.0000e-004 | | 5.1100e-003 | 5.1100e-003 | | 4.7000e-003 | 4.7000e-003 | 0.0000 | 8.3589 | 8.3589 | 2.7000e-003 | 0.0000 | 8.4265 |
| Total | 9.7200e-003 | 0.1012 | 0.0529 | 1.0000e-004 | 0.0452 | 5.1100e-003 | 0.0503 | 0.0248 | 4.7000e-003 | 0.0295 | 0.0000 | 8.3589 | 8.3589 | 2.7000e-003 | 0.0000 | 8.4265 |

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3.3 Site Preparation - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.9000e-004 | 1.4000e-004 | 1.5700e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.4301 | 0.4301 | 1.0000e-005 | 0.0000 | 0.4303 |
| Total | 1.9000e-004 | 1.4000e-004 | 1.5700e-003 | 0.0000 | 4.9000e-004 | 0.0000 | 5.0000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.4301 | 0.4301 | 1.0000e-005 | 0.0000 | 0.4303 |

3.4 Grading - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0262 | 0.0000 | 0.0262 | 0.0135 | 0.0000 | 0.0135 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 9.1600e-003 | 0.0990 | 0.0634 | 1.2000e-004 | | 4.6400e-003 | 4.6400e-003 | | 4.2700e-003 | 4.2700e-003 | 0.0000 | 10.4215 | 10.4215 | 3.3700e-003 | 0.0000 | 10.5057 |
| Total | 9.1600e-003 | 0.0990 | 0.0634 | 1.2000e-004 | 0.0262 | 4.6400e-003 | 0.0309 | 0.0135 | 4.2700e-003 | 0.0177 | 0.0000 | 10.4215 | 10.4215 | 3.3700e-003 | 0.0000 | 10.5057 |

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3.4 Grading - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.6000e-004 | 9.3800e-003 | 1.9900e-003 | 3.0000e-005 | 6.2000e-004 | 3.0000e-005 | 6.5000e-004 | 1.7000e-004 | 3.0000e-005 | 2.0000e-004 | 0.0000 | 2.6881 | 2.6881 | 1.8000e-004 | 0.0000 | 2.6927 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.5000e-004 | 1.8000e-004 | 2.0900e-003 | 1.0000e-005 | 6.6000e-004 | 0.0000 | 6.6000e-004 | 1.7000e-004 | 0.0000 | 1.8000e-004 | 0.0000 | 0.5734 | 0.5734 | 2.0000e-005 | 0.0000 | 0.5738 |
| Total | 5.1000e-004 | 9.5600e-003 | 4.0800e-003 | 4.0000e-005 | 1.2800e-003 | 3.0000e-005 | 1.3100e-003 | 3.4000e-004 | 3.0000e-005 | 3.8000e-004 | 0.0000 | 3.2615 | 3.2615 | 2.0000e-004 | 0.0000 | 3.2665 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0262 | 0.0000 | 0.0262 | 0.0135 | 0.0000 | 0.0135 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 9.1600e-003 | 0.0990 | 0.0634 | 1.2000e-004 | | 4.6400e-003 | 4.6400e-003 | | 4.2700e-003 | 4.2700e-003 | 0.0000 | 10.4215 | 10.4215 | 3.3700e-003 | 0.0000 | 10.5057 |
| Total | 9.1600e-003 | 0.0990 | 0.0634 | 1.2000e-004 | 0.0262 | 4.6400e-003 | 0.0309 | 0.0135 | 4.2700e-003 | 0.0177 | 0.0000 | 10.4215 | 10.4215 | 3.3700e-003 | 0.0000 | 10.5057 |

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3.4 Grading - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.6000e-004 | 9.3800e-003 | 1.9900e-003 | 3.0000e-005 | 6.2000e-004 | 3.0000e-005 | 6.5000e-004 | 1.7000e-004 | 3.0000e-005 | 2.0000e-004 | 0.0000 | 2.6881 | 2.6881 | 1.8000e-004 | 0.0000 | 2.6927 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.5000e-004 | 1.8000e-004 | 2.0900e-003 | 1.0000e-005 | 6.6000e-004 | 0.0000 | 6.6000e-004 | 1.7000e-004 | 0.0000 | 1.8000e-004 | 0.0000 | 0.5734 | 0.5734 | 2.0000e-005 | 0.0000 | 0.5738 |
| Total | 5.1000e-004 | 9.5600e-003 | 4.0800e-003 | 4.0000e-005 | 1.2800e-003 | 3.0000e-005 | 1.3100e-003 | 3.4000e-004 | 3.0000e-005 | 3.8000e-004 | 0.0000 | 3.2615 | 3.2615 | 2.0000e-004 | 0.0000 | 3.2665 |

3.5 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.2186 | 2.0047 | 1.9062 | 3.1000e-003 | | 0.1102 | 0.1102 | | 0.1037 | 0.1037 | 0.0000 | 266.3829 | 266.3829 | 0.0643 | 0.0000 | 267.9895 |
| Total | 0.2186 | 2.0047 | 1.9062 | 3.1000e-003 | | 0.1102 | 0.1102 | | 0.1037 | 0.1037 | 0.0000 | 266.3829 | 266.3829 | 0.0643 | 0.0000 | 267.9895 |

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0108 | 0.3672 | 0.0910 | 9.6000e-004 | 0.0239 | 7.4000e-004 | 0.0247 | 6.9000e-003 | 7.1000e-004 | 7.6100e-003 | 0.0000 | 92.6536 | 92.6536 | 5.8600e-003 | 0.0000 | 92.8001 |
| Worker | 0.0364 | 0.0269 | 0.3046 | 9.2000e-004 | 0.0959 | 7.2000e-004 | 0.0966 | 0.0255 | 6.6000e-004 | 0.0261 | 0.0000 | 83.5247 | 83.5247 | 2.2400e-003 | 0.0000 | 83.5807 |
| Total | 0.0472 | 0.3941 | 0.3956 | 1.8800e-003 | 0.1198 | 1.4600e-003 | 0.1213 | 0.0324 | 1.3700e-003 | 0.0337 | 0.0000 | 176.1783 | 176.1783 | 8.1000e-003 | 0.0000 | 176.3808 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.2186 | 2.0047 | 1.9062 | 3.1000e-003 | | 0.1102 | 0.1102 | | 0.1037 | 0.1037 | 0.0000 | 266.3826 | 266.3826 | 0.0643 | 0.0000 | 267.9892 |
| Total | 0.2186 | 2.0047 | 1.9062 | 3.1000e-003 | | 0.1102 | 0.1102 | | 0.1037 | 0.1037 | 0.0000 | 266.3826 | 266.3826 | 0.0643 | 0.0000 | 267.9892 |

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0108 | 0.3672 | 0.0910 | 9.6000e-004 | 0.0239 | 7.4000e-004 | 0.0247 | 6.9000e-003 | 7.1000e-004 | 7.6100e-003 | 0.0000 | 92.6536 | 92.6536 | 5.8600e-003 | 0.0000 | 92.8001 |
| Worker | 0.0364 | 0.0269 | 0.3046 | 9.2000e-004 | 0.0959 | 7.2000e-004 | 0.0966 | 0.0255 | 6.6000e-004 | 0.0261 | 0.0000 | 83.5247 | 83.5247 | 2.2400e-003 | 0.0000 | 83.5807 |
| Total | 0.0472 | 0.3941 | 0.3956 | 1.8800e-003 | 0.1198 | 1.4600e-003 | 0.1213 | 0.0324 | 1.3700e-003 | 0.0337 | 0.0000 | 176.1783 | 176.1783 | 8.1000e-003 | 0.0000 | 176.3808 |

3.6 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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 9.3000e-003 | 0.0921 | 0.1042 | 1.6000e-004 | | 4.9200e-003 | 4.9200e-003 | | 4.5400e-003 | 4.5400e-003 | 0.0000 | 13.9150 | 13.9150 | 4.3700e-003 | 0.0000 | 14.0243 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 9.3000e-003 | 0.0921 | 0.1042 | 1.6000e-004 | | 4.9200e-003 | 4.9200e-003 | | 4.5400e-003 | 4.5400e-003 | 0.0000 | 13.9150 | 13.9150 | 4.3700e-003 | 0.0000 | 14.0243 |

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3.6 Paving - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 7.1000e-004 | 5.2000e-004 | 5.9200e-003 | 2.0000e-005 | 1.8700e-003 | 1.0000e-005 | 1.8800e-003 | 5.0000e-004 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 1.6246 | 1.6246 | 4.0000e-005 | 0.0000 | 1.6257 |
| Total | 7.1000e-004 | 5.2000e-004 | 5.9200e-003 | 2.0000e-005 | 1.8700e-003 | 1.0000e-005 | 1.8800e-003 | 5.0000e-004 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 1.6246 | 1.6246 | 4.0000e-005 | 0.0000 | 1.6257 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 9.3000e-003 | 0.0921 | 0.1042 | 1.6000e-004 | | 4.9200e-003 | 4.9200e-003 | | 4.5400e-003 | 4.5400e-003 | 0.0000 | 13.9150 | 13.9150 | 4.3700e-003 | 0.0000 | 14.0243 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 9.3000e-003 | 0.0921 | 0.1042 | 1.6000e-004 | | 4.9200e-003 | 4.9200e-003 | | 4.5400e-003 | 4.5400e-003 | 0.0000 | 13.9150 | 13.9150 | 4.3700e-003 | 0.0000 | 14.0243 |

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3.6 Paving - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 7.1000e-004 | 5.2000e-004 | 5.9200e-003 | 2.0000e-005 | 1.8700e-003 | 1.0000e-005 | 1.8800e-003 | 5.0000e-004 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 1.6246 | 1.6246 | 4.0000e-005 | 0.0000 | 1.6257 |
| Total | 7.1000e-004 | 5.2000e-004 | 5.9200e-003 | 2.0000e-005 | 1.8700e-003 | 1.0000e-005 | 1.8800e-003 | 5.0000e-004 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 1.6246 | 1.6246 | 4.0000e-005 | 0.0000 | 1.6257 |

3.6 Paving - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 4.9000e-004 | 4.7600e-003 | 6.1000e-003 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.3000e-004 | 2.3000e-004 | 0.0000 | 0.8188 | 0.8188 | 2.6000e-004 | 0.0000 | 0.8252 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 4.9000e-004 | 4.7600e-003 | 6.1000e-003 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.3000e-004 | 2.3000e-004 | 0.0000 | 0.8188 | 0.8188 | 2.6000e-004 | 0.0000 | 0.8252 |

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3.6 Paving - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.0000e-005 | 3.0000e-005 | 3.2000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0921 | 0.0921 | 0.0000 | 0.0000 | 0.0922 |
| Total | 4.0000e-005 | 3.0000e-005 | 3.2000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0921 | 0.0921 | 0.0000 | 0.0000 | 0.0922 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 4.9000e-004 | 4.7600e-003 | 6.1000e-003 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.3000e-004 | 2.3000e-004 | 0.0000 | 0.8188 | 0.8188 | 2.6000e-004 | 0.0000 | 0.8252 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 4.9000e-004 | 4.7600e-003 | 6.1000e-003 | 1.0000e-005 | | 2.4000e-004 | 2.4000e-004 | | 2.3000e-004 | 2.3000e-004 | 0.0000 | 0.8188 | 0.8188 | 2.6000e-004 | 0.0000 | 0.8252 |

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3.6 Paving - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.0000e-005 | 3.0000e-005 | 3.2000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0921 | 0.0921 | 0.0000 | 0.0000 | 0.0922 |
| Total | 4.0000e-005 | 3.0000e-005 | 3.2000e-004 | 0.0000 | 1.1000e-004 | 0.0000 | 1.1000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0921 | 0.0921 | 0.0000 | 0.0000 | 0.0922 |

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.4277 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.8400e-003 | 0.0127 | 0.0163 | 3.0000e-005 | | 7.4000e-004 | 7.4000e-004 | | 7.4000e-004 | 7.4000e-004 | 0.0000 | 2.2979 | 2.2979 | 1.5000e-004 | 0.0000 | 2.3017 |
| Total | 0.4296 | 0.0127 | 0.0163 | 3.0000e-005 | | 7.4000e-004 | 7.4000e-004 | | 7.4000e-004 | 7.4000e-004 | 0.0000 | 2.2979 | 2.2979 | 1.5000e-004 | 0.0000 | 2.3017 |

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3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.3000e-004 | 3.8000e-004 | 4.3400e-003 | 1.0000e-005 | 1.4800e-003 | 1.0000e-005 | 1.4900e-003 | 3.9000e-004 | 1.0000e-005 | 4.0000e-004 | 0.0000 | 1.2439 | 1.2439 | 3.0000e-005 | 0.0000 | 1.2447 |
| Total | 5.3000e-004 | 3.8000e-004 | 4.3400e-003 | 1.0000e-005 | 1.4800e-003 | 1.0000e-005 | 1.4900e-003 | 3.9000e-004 | 1.0000e-005 | 4.0000e-004 | 0.0000 | 1.2439 | 1.2439 | 3.0000e-005 | 0.0000 | 1.2447 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.4277 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.8400e-003 | 0.0127 | 0.0163 | 3.0000e-005 | | 7.4000e-004 | 7.4000e-004 | | 7.4000e-004 | 7.4000e-004 | 0.0000 | 2.2979 | 2.2979 | 1.5000e-004 | 0.0000 | 2.3017 |
| Total | 0.4296 | 0.0127 | 0.0163 | 3.0000e-005 | | 7.4000e-004 | 7.4000e-004 | | 7.4000e-004 | 7.4000e-004 | 0.0000 | 2.2979 | 2.2979 | 1.5000e-004 | 0.0000 | 2.3017 |

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3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.3000e-004 | 3.8000e-004 | 4.3400e-003 | 1.0000e-005 | 1.4800e-003 | 1.0000e-005 | 1.4900e-003 | 3.9000e-004 | 1.0000e-005 | 4.0000e-004 | 0.0000 | 1.2439 | 1.2439 | 3.0000e-005 | 0.0000 | 1.2447 |
| Total | 5.3000e-004 | 3.8000e-004 | 4.3400e-003 | 1.0000e-005 | 1.4800e-003 | 1.0000e-005 | 1.4900e-003 | 3.9000e-004 | 1.0000e-005 | 4.0000e-004 | 0.0000 | 1.2439 | 1.2439 | 3.0000e-005 | 0.0000 | 1.2447 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.2301 | 1.2854 | 3.0868 | 0.0112 | 0.9114 | 9.1000e-003 | 0.9205 | 0.2442 | 8.5000e-003 | 0.2527 | 0.0000 | 1,034.3346 | 1,034.3346 | 0.0512 | 0.0000 | 1,035.6152 |
| Unmitigated | 0.2301 | 1.2854 | 3.0868 | 0.0112 | 0.9114 | 9.1000e-003 | 0.9205 | 0.2442 | 8.5000e-003 | 0.2527 | 0.0000 | 1,034.3346 | 1,034.3346 | 0.0512 | 0.0000 | 1,035.6152 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|-------------------------|-------------------------|---------------|--------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Office Building | 138.87 | 30.97 | 13.22 | 339,878 | 339,878 |
| General Office Building | 157.29 | 35.08 | 14.97 | 384,961 | 384,961 |
| General Office Building | 573.56 | 127.92 | 54.60 | 1,403,784 | 1,403,784 |
| General Office Building | 110.30 | 24.60 | 10.50 | 269,958 | 269,958 |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 980.02 | 218.57 | 93.29 | 2,398,581 | 2,398,581 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Office Building | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| General Office Building | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| General Office Building | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| General Office Building | 16.60 | 8.40 | 6.90 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Parking Lot | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

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4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building | 0.548858 | 0.043235 | 0.200706 | 0.120309 | 0.016131 | 0.005851 | 0.021034 | 0.033479 | 0.002070 | 0.001877 | 0.004817 | 0.000707 | 0.000925 |
| Parking Lot | 0.548858 | 0.043235 | 0.200706 | 0.120309 | 0.016131 | 0.005851 | 0.021034 | 0.033479 | 0.002070 | 0.001877 | 0.004817 | 0.000707 | 0.000925 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 604.1330 | 604.1330 | 0.0157 | 3.2500e-003 | 605.4942 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 604.1330 | 604.1330 | 0.0157 | 3.2500e-003 | 605.4942 |
| NaturalGas Mitigated | 4.9900e-003 | 0.0453 | 0.0381 | 2.7000e-004 | | 3.4500e-003 | 3.4500e-003 | | 3.4500e-003 | 3.4500e-003 | 0.0000 | 49.3560 | 49.3560 | 9.5000e-004 | 9.0000e-004 | 49.6493 |
| NaturalGas Unmitigated | 4.9900e-003 | 0.0453 | 0.0381 | 2.7000e-004 | | 3.4500e-003 | 3.4500e-003 | | 3.4500e-003 | 3.4500e-003 | 0.0000 | 49.3560 | 49.3560 | 9.5000e-004 | 9.0000e-004 | 49.6493 |

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5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Office Building | 104100 | 5.6000e-004 | 5.1000e-003 | 4.2900e-003 | 3.0000e-005 | | 3.9000e-004 | 3.9000e-004 | | 3.9000e-004 | 3.9000e-004 | 0.0000 | 5.5552 | 5.5552 | 1.1000e-004 | 1.0000e-004 | 5.5882 |
| General Office Building | 131031 | 7.1000e-004 | 6.4200e-003 | 5.4000e-003 | 4.0000e-005 | | 4.9000e-004 | 4.9000e-004 | | 4.9000e-004 | 4.9000e-004 | 0.0000 | 6.9923 | 6.9923 | 1.3000e-004 | 1.3000e-004 | 7.0339 |
| General Office Building | 148447 | 8.0000e-004 | 7.2800e-003 | 6.1100e-003 | 4.0000e-005 | | 5.5000e-004 | 5.5000e-004 | | 5.5000e-004 | 5.5000e-004 | 0.0000 | 7.9217 | 7.9217 | 1.5000e-004 | 1.5000e-004 | 7.9688 |
| General Office Building | 541320 | 2.9200e-003 | 0.0265 | 0.0223 | 1.6000e-004 | | 2.0200e-003 | 2.0200e-003 | | 2.0200e-003 | 2.0200e-003 | 0.0000 | 28.8869 | 28.8869 | 5.5000e-004 | 5.3000e-004 | 29.0586 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 4.9900e-003 | 0.0453 | 0.0381 | 2.7000e-004 | | 3.4500e-003 | 3.4500e-003 | | 3.4500e-003 | 3.4500e-003 | 0.0000 | 49.3561 | 49.3561 | 9.4000e-004 | 9.1000e-004 | 49.6493 |

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5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Office Building | 104100 | 5.6000e-004 | 5.1000e-003 | 4.2900e-003 | 3.0000e-005 | | 3.9000e-004 | 3.9000e-004 | | 3.9000e-004 | 3.9000e-004 | 0.0000 | 5.5552 | 5.5552 | 1.1000e-004 | 1.0000e-004 | 5.5882 |
| General Office Building | 131031 | 7.1000e-004 | 6.4200e-003 | 5.4000e-003 | 4.0000e-005 | | 4.9000e-004 | 4.9000e-004 | | 4.9000e-004 | 4.9000e-004 | 0.0000 | 6.9923 | 6.9923 | 1.3000e-004 | 1.3000e-004 | 7.0339 |
| General Office Building | 148447 | 8.0000e-004 | 7.2800e-003 | 6.1100e-003 | 4.0000e-005 | | 5.5000e-004 | 5.5000e-004 | | 5.5000e-004 | 5.5000e-004 | 0.0000 | 7.9217 | 7.9217 | 1.5000e-004 | 1.5000e-004 | 7.9688 |
| General Office Building | 541320 | 2.9200e-003 | 0.0265 | 0.0223 | 1.6000e-004 | | 2.0200e-003 | 2.0200e-003 | | 2.0200e-003 | 2.0200e-003 | 0.0000 | 28.8869 | 28.8869 | 5.5000e-004 | 5.3000e-004 | 29.0586 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 4.9900e-003 | 0.0453 | 0.0381 | 2.7000e-004 | | 3.4500e-003 | 3.4500e-003 | | 3.4500e-003 | 3.4500e-003 | 0.0000 | 49.3561 | 49.3561 | 9.4000e-004 | 9.1000e-004 | 49.6493 |

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5.3 Energy by Land Use - Electricity**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Office Building | 129900 | 65.7171 | 1.7100e-003 | 3.5000e-004 | 65.8652 |
| General Office Building | 163505 | 82.7181 | 2.1500e-003 | 4.4000e-004 | 82.9045 |
| General Office Building | 185237 | 93.7126 | 2.4400e-003 | 5.0000e-004 | 93.9237 |
| General Office Building | 675480 | 341.7288 | 8.8900e-003 | 1.8400e-003 | 342.4988 |
| Parking Lot | 40040 | 20.2564 | 5.3000e-004 | 1.1000e-004 | 20.3021 |
| Total | | 604.1330 | 0.0157 | 3.2400e-003 | 605.4942 |

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5.3 Energy by Land Use - Electricity

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Office Building | 129900 | 65.7171 | 1.7100e-003 | 3.5000e-004 | 65.8652 |
| General Office Building | 163505 | 82.7181 | 2.1500e-003 | 4.4000e-004 | 82.9045 |
| General Office Building | 185237 | 93.7126 | 2.4400e-003 | 5.0000e-004 | 93.9237 |
| General Office Building | 675480 | 341.7288 | 8.8900e-003 | 1.8400e-003 | 342.4988 |
| Parking Lot | 40040 | 20.2564 | 5.3000e-004 | 1.1000e-004 | 20.3021 |
| Total | | 604.1330 | 0.0157 | 3.2400e-003 | 605.4942 |

6.0 Area Detail

6.1 Mitigation Measures Area

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|--------|-------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.3717 | 4.0000e-005 | 4.8000e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.3000e-003 | 9.3000e-003 | 2.0000e-005 | 0.0000 | 9.9200e-003 |
| Unmitigated | 0.3717 | 4.0000e-005 | 4.8000e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.3000e-003 | 9.3000e-003 | 2.0000e-005 | 0.0000 | 9.9200e-003 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0428 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.3284 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.5000e-004 | 4.0000e-005 | 4.8000e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.3000e-003 | 9.3000e-003 | 2.0000e-005 | 0.0000 | 9.9200e-003 |
| Total | 0.3717 | 4.0000e-005 | 4.8000e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.3000e-003 | 9.3000e-003 | 2.0000e-005 | 0.0000 | 9.9200e-003 |

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6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0428 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.3284 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 4.5000e-004 | 4.0000e-005 | 4.8000e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.3000e-003 | 9.3000e-003 | 2.0000e-005 | 0.0000 | 9.9200e-003 |
| Total | 0.3717 | 4.0000e-005 | 4.8000e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | 0.0000 | 9.3000e-003 | 9.3000e-003 | 2.0000e-005 | 0.0000 | 9.9200e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

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| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|----------|
| Category | MT/yr | | | |
| Mitigated | 163.4361 | 0.5187 | 0.0130 | 180.2781 |
| Unmitigated | 163.4361 | 0.5187 | 0.0130 | 180.2781 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use | Mgal | MT/yr | | | |
| General Office Building | 15.7916 / 9.67875 | 163.4361 | 0.5187 | 0.0130 | 180.2781 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 163.4361 | 0.5187 | 0.0130 | 180.2781 |

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7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use | Mgal | MT/yr | | | |
| General Office Building | 15.7916 / 9.67875 | 163.4361 | 0.5187 | 0.0130 | 180.2781 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 163.4361 | 0.5187 | 0.0130 | 180.2781 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 16.7731 | 0.9913 | 0.0000 | 41.5548 |
| Unmitigated | 16.7731 | 0.9913 | 0.0000 | 41.5548 |

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| General Office Building | 82.63 | 16.7731 | 0.9913 | 0.0000 | 41.5548 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 16.7731 | 0.9913 | 0.0000 | 41.5548 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| General Office Building | 82.63 | 16.7731 | 0.9913 | 0.0000 | 41.5548 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 16.7731 | 0.9913 | 0.0000 | 41.5548 |

9.0 Operational Offroad

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

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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation
