

New Castle Fire Station
Placer County APCD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------|-------|----------|-------------|--------------------|------------|
| General Office Building | 18.50 | 1000sqft | 0.42 | 18,500.00 | 3 |
| Parking Lot | 10.00 | Space | 0.09 | 4,000.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|--------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 74 |
| Climate Zone | 2 | | | Operational Year | 2014 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 641.35 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Fire Station
3 employees on average

Construction Phase - Construction Phase - Pre Fabbed Building

Client Comments: Grading/Land Prep= 3 week period

Land Prep: 1 Week

Grading: 2 weeks

Construction= 6 months

Paving: 1 week

Off-road Equipment - Off-road Equipment - 400 ci diesel

544 dump trucks, D6 tractor and vibratory compactor(surfacing equipment)

Off-road Equipment - Off-road Equipment - 400 ci diesel

544 dump trucks, D6 tractor and vibratory compactor(surfacing equipment)

Off-road Equipment - Off-road Equipment - 400 ci diesel

544 dump trucks, D6 tractor and vibratory compactor(surfacing equipment)

Off-road Equipment - Off-road Equipment - 400 ci diesel

544 dump trucks, D6 tractor and vibratory compactor(surfacing equipment)

Grading - Import, grade and compact 13,500 cy

Calculates Land Prep and Grading Only.

Trips and VMT - 544 dump trucks visiting the site

Architectural Coating - Prefabbed Building

Vehicle Trips - 2 times per day, 7 days per week

3 mile radius

Vehicle Emission Factors - Fire Truck 2 times per day, 7 days per week

3 mile radius

| Table Name | Column Name | Default Value | New Value |
|-----------------|-------------------|---------------|-----------|
| tblGrading | AcresOfGrading | 0.00 | 1.10 |
| tblGrading | AcresOfGrading | 0.50 | 1.20 |
| tblGrading | MaterialImported | 0.00 | 13,500.00 |
| tblLandUse | Population | 0.00 | 3.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 10.00 |
| tblTripsAndVMT | HaulingTripNumber | 1,688.00 | 750.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 102.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 35.00 |
| tblVehicleEF | HHD | 0.04 | 0.25 |
| tblVehicleEF | LDA | 0.44 | 0.75 |
| tblVehicleEF | LDT1 | 0.06 | 0.00 |
| tblVehicleEF | LDT2 | 0.19 | 0.00 |
| tblVehicleEF | LHD1 | 0.07 | 0.00 |
| tblVehicleEF | LHD2 | 8.8820e-003 | 0.00 |
| tblVehicleEF | MCY | 8.3940e-003 | 0.00 |
| tblVehicleEF | MDV | 0.17 | 0.00 |
| tblVehicleEF | MH | 3.8180e-003 | 0.00 |
| tblVehicleEF | MHD | 0.01 | 0.00 |
| tblVehicleEF | OBUS | 1.8050e-003 | 0.00 |
| tblVehicleEF | SBUS | 5.6700e-004 | 0.00 |
| tblVehicleEF | UBUS | 1.0630e-003 | 0.00 |
| tblVehicleTrips | ST_TR | 2.37 | 2.00 |
| tblVehicleTrips | SU_TR | 0.98 | 2.00 |
| tblVehicleTrips | WD_TR | 11.01 | 2.00 |

2.0 Emissions Summary

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 | 0.1095 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.4000e-004 |
| Energy | 1.7300e-003 | 0.0157 | 0.0132 | 9.0000e-005 | | 1.1900e-003 | 1.1900e-003 | | 1.1900e-003 | 1.1900e-003 | 0.0000 | 78.2185 | 78.2185 | 3.0900e-003 | 8.9000e-004 | 78.5578 |
| Mobile | 0.0511 | 0.2535 | 0.5439 | 6.9000e-004 | 0.0333 | 4.4200e-003 | 0.0378 | 8.9500e-003 | 4.0600e-003 | 0.0130 | 0.0000 | 60.0348 | 60.0348 | 1.3800e-003 | 0.0000 | 60.0639 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 3.4935 | 0.0000 | 3.4935 | 0.2065 | 0.0000 | 7.8291 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.0432 | 7.2278 | 8.2709 | 0.1075 | 2.6000e-003 | 11.3330 |
| Total | 0.1623 | 0.2692 | 0.5574 | 7.8000e-004 | 0.0333 | 5.6100e-003 | 0.0389 | 8.9500e-003 | 5.2500e-003 | 0.0142 | 4.5366 | 145.4816 | 150.0182 | 0.3184 | 3.4900e-003 | 157.7843 |

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 | 0.1095 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.4000e-004 |
| Energy | 1.7300e-003 | 0.0157 | 0.0132 | 9.0000e-005 | | 1.1900e-003 | 1.1900e-003 | | 1.1900e-003 | 1.1900e-003 | 0.0000 | 78.2185 | 78.2185 | 3.0900e-003 | 8.9000e-004 | 78.5578 |
| Mobile | 0.0511 | 0.2535 | 0.5439 | 6.9000e-004 | 0.0333 | 4.4200e-003 | 0.0378 | 8.9500e-003 | 4.0600e-003 | 0.0130 | 0.0000 | 60.0348 | 60.0348 | 1.3800e-003 | 0.0000 | 60.0639 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 3.4935 | 0.0000 | 3.4935 | 0.2065 | 0.0000 | 7.8291 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.0432 | 7.2278 | 8.2709 | 0.1075 | 2.5900e-003 | 11.3313 |
| Total | 0.1623 | 0.2692 | 0.5574 | 7.8000e-004 | 0.0333 | 5.6100e-003 | 0.0389 | 8.9500e-003 | 5.2500e-003 | 0.0142 | 4.5366 | 145.4816 | 150.0182 | 0.3184 | 3.4800e-003 | 157.7827 |

| | ROG | NOx | CO | SO2 | 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 | 0.01 | 0.29 | 0.00 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Site Preparation | Site Preparation | 1/1/2015 | 1/1/2015 | 5 | 1 | |
| 2 | Grading | Grading | 1/2/2015 | 1/5/2015 | 5 | 2 | |
| 3 | Building Construction | Building Construction | 1/6/2015 | 5/25/2015 | 5 | 100 | |
| 4 | Paving | Paving | 5/26/2015 | 6/1/2015 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 1.2

Acres of Grading (Grading Phase): 1.1

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Building Construction | Cranes | 1 | 4.00 | 226 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Grading | Rubber Tired Dozers | 1 | 1.00 | 255 | 0.40 |
| Site Preparation | Graders | 1 | 8.00 | 174 | 0.41 |
| Paving | Pavers | 1 | 7.00 | 125 | 0.42 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation | 2 | 5.00 | 0.00 | 10.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 4 | 10.00 | 0.00 | 750.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 8.00 | 4.00 | 102.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 35.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2015

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 | | | | | 6.4000e-004 | 0.0000 | 6.4000e-004 | 7.0000e-005 | 0.0000 | 7.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 7.1000e-004 | 7.1500e-003 | 3.7000e-003 | 0.0000 | | 4.4000e-004 | 4.4000e-004 | | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.4466 | 0.4466 | 1.3000e-004 | 0.0000 | 0.4494 |
| Total | 7.1000e-004 | 7.1500e-003 | 3.7000e-003 | 0.0000 | 6.4000e-004 | 4.4000e-004 | 1.0800e-003 | 7.0000e-005 | 4.0000e-004 | 4.7000e-004 | 0.0000 | 0.4466 | 0.4466 | 1.3000e-004 | 0.0000 | 0.4494 |

3.2 Site Preparation - 2015

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 | 1.5000e-004 | 1.6300e-003 | 1.4100e-003 | 0.0000 | 8.0000e-005 | 3.0000e-005 | 1.1000e-004 | 2.0000e-005 | 3.0000e-005 | 5.0000e-005 | 0.0000 | 0.3463 | 0.3463 | 0.0000 | 0.0000 | 0.3464 |
| 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 | 1.0000e-005 | 1.0000e-005 | 1.2000e-004 | 0.0000 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0179 | 0.0179 | 0.0000 | 0.0000 | 0.0180 |
| Total | 1.6000e-004 | 1.6400e-003 | 1.5300e-003 | 0.0000 | 1.0000e-004 | 3.0000e-005 | 1.3000e-004 | 3.0000e-005 | 3.0000e-005 | 6.0000e-005 | 0.0000 | 0.3642 | 0.3642 | 0.0000 | 0.0000 | 0.3643 |

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 | | | | | 6.4000e-004 | 0.0000 | 6.4000e-004 | 7.0000e-005 | 0.0000 | 7.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 7.1000e-004 | 7.1500e-003 | 3.7000e-003 | 0.0000 | | 4.4000e-004 | 4.4000e-004 | | 4.0000e-004 | 4.0000e-004 | 0.0000 | 0.4466 | 0.4466 | 1.3000e-004 | 0.0000 | 0.4494 |
| Total | 7.1000e-004 | 7.1500e-003 | 3.7000e-003 | 0.0000 | 6.4000e-004 | 4.4000e-004 | 1.0800e-003 | 7.0000e-005 | 4.0000e-004 | 4.7000e-004 | 0.0000 | 0.4466 | 0.4466 | 1.3000e-004 | 0.0000 | 0.4494 |

3.2 Site Preparation - 2015

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 | 1.5000e-004 | 1.6300e-003 | 1.4100e-003 | 0.0000 | 8.0000e-005 | 3.0000e-005 | 1.1000e-004 | 2.0000e-005 | 3.0000e-005 | 5.0000e-005 | 0.0000 | 0.3463 | 0.3463 | 0.0000 | 0.0000 | 0.3464 |
| 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 | 1.0000e-005 | 1.0000e-005 | 1.2000e-004 | 0.0000 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0179 | 0.0179 | 0.0000 | 0.0000 | 0.0180 |
| Total | 1.6000e-004 | 1.6400e-003 | 1.5300e-003 | 0.0000 | 1.0000e-004 | 3.0000e-005 | 1.3000e-004 | 3.0000e-005 | 3.0000e-005 | 6.0000e-005 | 0.0000 | 0.3642 | 0.3642 | 0.0000 | 0.0000 | 0.3643 |

3.3 Grading - 2015

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 | | | | | 2.1000e-003 | 0.0000 | 2.1000e-003 | 5.9000e-004 | 0.0000 | 5.9000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.4100e-003 | 0.0119 | 8.8100e-003 | 1.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.4000e-004 | 8.4000e-004 | 0.0000 | 1.0892 | 1.0892 | 2.2000e-004 | 0.0000 | 1.0939 |
| Total | 1.4100e-003 | 0.0119 | 8.8100e-003 | 1.0000e-005 | 2.1000e-003 | 8.7000e-004 | 2.9700e-003 | 5.9000e-004 | 8.4000e-004 | 1.4300e-003 | 0.0000 | 1.0892 | 1.0892 | 2.2000e-004 | 0.0000 | 1.0939 |

3.3 Grading - 2015

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 | 0.0110 | 0.1226 | 0.1055 | 2.8000e-004 | 6.2900e-003 | 2.0600e-003 | 8.3500e-003 | 1.7300e-003 | 1.8900e-003 | 3.6200e-003 | 0.0000 | 25.9731 | 25.9731 | 2.1000e-004 | 0.0000 | 25.9776 |
| 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 | 5.0000e-005 | 4.7000e-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 | 0.0718 |
| Total | 0.0111 | 0.1226 | 0.1059 | 2.8000e-004 | 6.3700e-003 | 2.0600e-003 | 8.4300e-003 | 1.7500e-003 | 1.8900e-003 | 3.6400e-003 | 0.0000 | 26.0448 | 26.0448 | 2.1000e-004 | 0.0000 | 26.0494 |

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 | | | | | 2.1000e-003 | 0.0000 | 2.1000e-003 | 5.9000e-004 | 0.0000 | 5.9000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.4100e-003 | 0.0119 | 8.8100e-003 | 1.0000e-005 | | 8.7000e-004 | 8.7000e-004 | | 8.4000e-004 | 8.4000e-004 | 0.0000 | 1.0892 | 1.0892 | 2.2000e-004 | 0.0000 | 1.0939 |
| Total | 1.4100e-003 | 0.0119 | 8.8100e-003 | 1.0000e-005 | 2.1000e-003 | 8.7000e-004 | 2.9700e-003 | 5.9000e-004 | 8.4000e-004 | 1.4300e-003 | 0.0000 | 1.0892 | 1.0892 | 2.2000e-004 | 0.0000 | 1.0939 |

3.3 Grading - 2015

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 | 0.0110 | 0.1226 | 0.1055 | 2.8000e-004 | 6.2900e-003 | 2.0600e-003 | 8.3500e-003 | 1.7300e-003 | 1.8900e-003 | 3.6200e-003 | 0.0000 | 25.9731 | 25.9731 | 2.1000e-004 | 0.0000 | 25.9776 |
| 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 | 5.0000e-005 | 4.7000e-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 | 0.0718 |
| Total | 0.0111 | 0.1226 | 0.1059 | 2.8000e-004 | 6.3700e-003 | 2.0600e-003 | 8.4300e-003 | 1.7500e-003 | 1.8900e-003 | 3.6400e-003 | 0.0000 | 26.0448 | 26.0448 | 2.1000e-004 | 0.0000 | 26.0494 |

3.4 Building Construction - 2015

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 | 0.0727 | 0.7189 | 0.4149 | 5.7000e-004 | | 0.0500 | 0.0500 | | 0.0460 | 0.0460 | 0.0000 | 54.0547 | 54.0547 | 0.0161 | 0.0000 | 54.3936 |
| Total | 0.0727 | 0.7189 | 0.4149 | 5.7000e-004 | | 0.0500 | 0.0500 | | 0.0460 | 0.0460 | 0.0000 | 54.0547 | 54.0547 | 0.0161 | 0.0000 | 54.3936 |

3.4 Building Construction - 2015

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 | 1.5000e-003 | 0.0167 | 0.0143 | 4.0000e-005 | 8.6000e-004 | 2.8000e-004 | 1.1400e-003 | 2.4000e-004 | 2.6000e-004 | 4.9000e-004 | 0.0000 | 3.5323 | 3.5323 | 3.0000e-005 | 0.0000 | 3.5330 |
| Vendor | 3.1300e-003 | 0.0227 | 0.0321 | 5.0000e-005 | 1.2800e-003 | 3.9000e-004 | 1.6700e-003 | 3.7000e-004 | 3.6000e-004 | 7.3000e-004 | 0.0000 | 4.3852 | 4.3852 | 4.0000e-005 | 0.0000 | 4.3860 |
| Worker | 1.4800e-003 | 1.8200e-003 | 0.0189 | 4.0000e-005 | 3.1400e-003 | 2.0000e-005 | 3.1600e-003 | 8.4000e-004 | 2.0000e-005 | 8.6000e-004 | 0.0000 | 2.8694 | 2.8694 | 1.5000e-004 | 0.0000 | 2.8725 |
| Total | 6.1100e-003 | 0.0412 | 0.0654 | 1.3000e-004 | 5.2800e-003 | 6.9000e-004 | 5.9700e-003 | 1.4500e-003 | 6.4000e-004 | 2.0800e-003 | 0.0000 | 10.7869 | 10.7869 | 2.2000e-004 | 0.0000 | 10.7914 |

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 | 0.0727 | 0.7189 | 0.4149 | 5.7000e-004 | | 0.0500 | 0.0500 | | 0.0460 | 0.0460 | 0.0000 | 54.0546 | 54.0546 | 0.0161 | 0.0000 | 54.3935 |
| Total | 0.0727 | 0.7189 | 0.4149 | 5.7000e-004 | | 0.0500 | 0.0500 | | 0.0460 | 0.0460 | 0.0000 | 54.0546 | 54.0546 | 0.0161 | 0.0000 | 54.3935 |

3.4 Building Construction - 2015**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 | 1.5000e-003 | 0.0167 | 0.0143 | 4.0000e-005 | 8.6000e-004 | 2.8000e-004 | 1.1400e-003 | 2.4000e-004 | 2.6000e-004 | 4.9000e-004 | 0.0000 | 3.5323 | 3.5323 | 3.0000e-005 | 0.0000 | 3.5330 |
| Vendor | 3.1300e-003 | 0.0227 | 0.0321 | 5.0000e-005 | 1.2800e-003 | 3.9000e-004 | 1.6700e-003 | 3.7000e-004 | 3.6000e-004 | 7.3000e-004 | 0.0000 | 4.3852 | 4.3852 | 4.0000e-005 | 0.0000 | 4.3860 |
| Worker | 1.4800e-003 | 1.8200e-003 | 0.0189 | 4.0000e-005 | 3.1400e-003 | 2.0000e-005 | 3.1600e-003 | 8.4000e-004 | 2.0000e-005 | 8.6000e-004 | 0.0000 | 2.8694 | 2.8694 | 1.5000e-004 | 0.0000 | 2.8725 |
| Total | 6.1100e-003 | 0.0412 | 0.0654 | 1.3000e-004 | 5.2800e-003 | 6.9000e-004 | 5.9700e-003 | 1.4500e-003 | 6.4000e-004 | 2.0800e-003 | 0.0000 | 10.7869 | 10.7869 | 2.2000e-004 | 0.0000 | 10.7914 |

3.5 Paving - 2015**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 | 3.0200e-003 | 0.0289 | 0.0184 | 3.0000e-005 | | 1.8100e-003 | 1.8100e-003 | | 1.6800e-003 | 1.6800e-003 | 0.0000 | 2.4801 | 2.4801 | 6.7000e-004 | 0.0000 | 2.4943 |
| Paving | 1.2000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 3.1400e-003 | 0.0289 | 0.0184 | 3.0000e-005 | | 1.8100e-003 | 1.8100e-003 | | 1.6800e-003 | 1.6800e-003 | 0.0000 | 2.4801 | 2.4801 | 6.7000e-004 | 0.0000 | 2.4943 |

3.5 Paving - 2015**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 | 5.1000e-004 | 5.7200e-003 | 4.9200e-003 | 1.0000e-005 | 2.9000e-004 | 1.0000e-004 | 3.9000e-004 | 8.0000e-005 | 9.0000e-005 | 1.7000e-004 | 0.0000 | 1.2121 | 1.2121 | 1.0000e-005 | 0.0000 | 1.2123 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.7000e-004 | 2.1000e-004 | 2.1300e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3228 | 0.3228 | 2.0000e-005 | 0.0000 | 0.3232 |
| Total | 6.8000e-004 | 5.9300e-003 | 7.0500e-003 | 1.0000e-005 | 6.4000e-004 | 1.0000e-004 | 7.5000e-004 | 1.7000e-004 | 9.0000e-005 | 2.7000e-004 | 0.0000 | 1.5349 | 1.5349 | 3.0000e-005 | 0.0000 | 1.5354 |

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 | 3.0200e-003 | 0.0289 | 0.0184 | 3.0000e-005 | | 1.8100e-003 | 1.8100e-003 | | 1.6800e-003 | 1.6800e-003 | 0.0000 | 2.4801 | 2.4801 | 6.7000e-004 | 0.0000 | 2.4943 |
| Paving | 1.2000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 3.1400e-003 | 0.0289 | 0.0184 | 3.0000e-005 | | 1.8100e-003 | 1.8100e-003 | | 1.6800e-003 | 1.6800e-003 | 0.0000 | 2.4801 | 2.4801 | 6.7000e-004 | 0.0000 | 2.4943 |

3.5 Paving - 2015

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 | 5.1000e-004 | 5.7200e-003 | 4.9200e-003 | 1.0000e-005 | 2.9000e-004 | 1.0000e-004 | 3.9000e-004 | 8.0000e-005 | 9.0000e-005 | 1.7000e-004 | 0.0000 | 1.2121 | 1.2121 | 1.0000e-005 | 0.0000 | 1.2123 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.7000e-004 | 2.1000e-004 | 2.1300e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3228 | 0.3228 | 2.0000e-005 | 0.0000 | 0.3232 |
| Total | 6.8000e-004 | 5.9300e-003 | 7.0500e-003 | 1.0000e-005 | 6.4000e-004 | 1.0000e-004 | 7.5000e-004 | 1.7000e-004 | 9.0000e-005 | 2.7000e-004 | 0.0000 | 1.5349 | 1.5349 | 3.0000e-005 | 0.0000 | 1.5354 |

4.0 Operational Detail - Mobile

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 | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.0511 | 0.2535 | 0.5439 | 6.9000e-004 | 0.0333 | 4.4200e-003 | 0.0378 | 8.9500e-003 | 4.0600e-003 | 0.0130 | 0.0000 | 60.0348 | 60.0348 | 1.3800e-003 | 0.0000 | 60.0639 |
| Unmitigated | 0.0511 | 0.2535 | 0.5439 | 6.9000e-004 | 0.0333 | 4.4200e-003 | 0.0378 | 8.9500e-003 | 4.0600e-003 | 0.0130 | 0.0000 | 60.0348 | 60.0348 | 1.3800e-003 | 0.0000 | 60.0639 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|-------------------------|-------------------------|--------------|--------------|---------------|---------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Office Building | 37.00 | 37.00 | 37.00 | 88,421 | 88,421 |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 37.00 | 37.00 | 37.00 | 88,421 | 88,421 |

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 | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

| LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.750000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.250000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

5.0 Energy Detail

4.4 Fleet Mix

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 | 61.1394 | 61.1394 | 2.7600e-003 | 5.7000e-004 | 61.3748 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 61.1394 | 61.1394 | 2.7600e-003 | 5.7000e-004 | 61.3748 |
| NaturalGas Mitigated | 1.7300e-003 | 0.0157 | 0.0132 | 9.0000e-005 | | 1.1900e-003 | 1.1900e-003 | | 1.1900e-003 | 1.1900e-003 | 0.0000 | 17.0791 | 17.0791 | 3.3000e-004 | 3.1000e-004 | 17.1830 |
| NaturalGas Unmitigated | 1.7300e-003 | 0.0157 | 0.0132 | 9.0000e-005 | | 1.1900e-003 | 1.1900e-003 | | 1.1900e-003 | 1.1900e-003 | 0.0000 | 17.0791 | 17.0791 | 3.3000e-004 | 3.1000e-004 | 17.1830 |

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 | | | | | |
| 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 |
| General Office Building | 320050 | 1.7300e-003 | 0.0157 | 0.0132 | 9.0000e-005 | | 1.1900e-003 | 1.1900e-003 | | 1.1900e-003 | 1.1900e-003 | 0.0000 | 17.0791 | 17.0791 | 3.3000e-004 | 3.1000e-004 | 17.1830 |
| Total | | 1.7300e-003 | 0.0157 | 0.0132 | 9.0000e-005 | | 1.1900e-003 | 1.1900e-003 | | 1.1900e-003 | 1.1900e-003 | 0.0000 | 17.0791 | 17.0791 | 3.3000e-004 | 3.1000e-004 | 17.1830 |

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 | | | | | |
| 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 |
| General Office Building | 320050 | 1.7300e-003 | 0.0157 | 0.0132 | 9.0000e-005 | | 1.1900e-003 | 1.1900e-003 | | 1.1900e-003 | 1.1900e-003 | 0.0000 | 17.0791 | 17.0791 | 3.3000e-004 | 3.1000e-004 | 17.1830 |
| Total | | 1.7300e-003 | 0.0157 | 0.0132 | 9.0000e-005 | | 1.1900e-003 | 1.1900e-003 | | 1.1900e-003 | 1.1900e-003 | 0.0000 | 17.0791 | 17.0791 | 3.3000e-004 | 3.1000e-004 | 17.1830 |

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Office Building | 206645 | 60.1154 | 2.7200e-003 | 5.6000e-004 | 60.3468 |
| Parking Lot | 3520 | 1.0240 | 5.0000e-005 | 1.0000e-005 | 1.0280 |
| Total | | 61.1394 | 2.7700e-003 | 5.7000e-004 | 61.3748 |

5.3 Energy by Land Use - Electricity

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Office Building | 206645 | 60.1154 | 2.7200e-003 | 5.6000e-004 | 60.3468 |
| Parking Lot | 3520 | 1.0240 | 5.0000e-005 | 1.0000e-005 | 1.0280 |
| Total | | 61.1394 | 2.7700e-003 | 5.7000e-004 | 61.3748 |

6.0 Area Detail

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|-------------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|--------|-------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.1095 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.4000e-004 |
| Unmitigated | 0.1095 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.4000e-004 |

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 | 0.0216 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0879 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 3.0000e-005 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.4000e-004 |
| Total | 0.1095 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.4000e-004 |

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 | 0.0216 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0879 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 3.0000e-005 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.4000e-004 |
| Total | 0.1095 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.4000e-004 |

7.0 Water Detail

7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|-------------|---------|
| Category | MT/yr | | | |
| Mitigated | 8.2709 | 0.1075 | 2.5900e-003 | 11.3313 |
| Unmitigated | 8.2709 | 0.1075 | 2.6000e-003 | 11.3330 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|--------------------|---------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| General Office Building | 3.28807 / 2.01527 | 8.2709 | 0.1075 | 2.6000e-003 | 11.3330 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 8.2709 | 0.1075 | 2.6000e-003 | 11.3330 |

7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|--------------------|---------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| General Office Building | 3.28807 / 2.01527 | 8.2709 | 0.1075 | 2.5900e-003 | 11.3313 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 8.2709 | 0.1075 | 2.5900e-003 | 11.3313 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|--------|
| | MT/yr | | | |
| Mitigated | 3.4935 | 0.2065 | 0.0000 | 7.8291 |
| Unmitigated | 3.4935 | 0.2065 | 0.0000 | 7.8291 |

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| General Office Building | 17.21 | 3.4935 | 0.2065 | 0.0000 | 7.8291 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 3.4935 | 0.2065 | 0.0000 | 7.8291 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| General Office Building | 17.21 | 3.4935 | 0.2065 | 0.0000 | 7.8291 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 3.4935 | 0.2065 | 0.0000 | 7.8291 |

9.0 Operational Offroad

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

10.0 Vegetation
