

**Appendix A:
Air Quality/Greenhouse Gas Data**

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CalEEMod Output

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3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

**3390.0003 Phase 1+2 Construction Tier 3/Tier 4
El Dorado-Mountain County County, Annual**

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|----------|-------------|--------------------|------------|
| General Light Industry | 58.93 | 1000sqft | 10.18 | 58,927.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2020 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - Total lot acreage: 10.18; General light industry land use encompasses the new transfer station, household hazardous waste building/covered appliance storage, covered recycle bin area, scale house, and office remodeling

Construction Phase - Based on 180327 El Dorado Precon Phased Schedule

Off-road Equipment -

Trips and VMT - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

On-road Fugitive Dust -

Grading - Based on earthwork quantities provided by Youngdahl Consulting Group; Project site 10.18 acres

Architectural Coating - Based on Rule 215- all flat, nonflat, and nonflat-high gloss coatings shall be no more than 150 g/L low VOC paint

Vehicle Trips - Construction only

Road Dust - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Construction Off-road Equipment Mitigation - Tier 3 for all construction equipment (except for rubber tired dozers and scrapers). All rubber tired dozers and scrapers shall be Tier 4 Final.

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblArchitecturalCoating | ConstArea_Parking | 0.00 | 1,464.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 150.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 150.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 150.00 |
| tblAreaCoating | Area_Parking | 0 | 1464 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |

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| | | | |
|-------------------------|------------------------------|-----------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 7.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 300.00 | 145.00 |
| tblConstructionPhase | NumDays | 30.00 | 100.00 |
| tblConstructionPhase | NumDays | 30.00 | 132.00 |
| tblConsumerProducts | ROG_EF | 2.14E-05 | 0 |
| tblConsumerProducts | ROG_EF_Degreaser | 3.542E-07 | 1E-10 |
| tblConsumerProducts | ROG_EF_PesticidesFertilizers | 5.152E-08 | 1E-10 |
| tblEnergyUse | LightingElect | 1.81 | 0.00 |
| tblEnergyUse | NT24E | 1.85 | 0.00 |

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| | | | |
|-----------------|--------------------------|---------------|-----------|
| tblEnergyUse | NT24NG | 0.31 | 0.00 |
| tblEnergyUse | T24E | 0.62 | 0.00 |
| tblEnergyUse | T24NG | 3.20 | 0.00 |
| tblGrading | AcresOfGrading | 250.00 | 10.18 |
| tblGrading | AcresOfGrading | 330.00 | 10.18 |
| tblGrading | MaterialExported | 0.00 | 21,000.00 |
| tblGrading | MaterialExported | 0.00 | 18,000.00 |
| tblGrading | MaterialImported | 0.00 | 21,000.00 |
| tblGrading | MaterialImported | 0.00 | 18,000.00 |
| tblLandUse | LandUseSquareFeet | 58,930.00 | 58,927.00 |
| tblLandUse | LotAcreage | 1.35 | 10.18 |
| tblRoadDust | RoadPercentPave | 100 | 0 |
| tblSolidWaste | SolidWasteGenerationRate | 73.07 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 91.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 91.00 |
| tblTripsAndVMT | HaulingTripNumber | 2,625.00 | 2,100.00 |
| tblTripsAndVMT | HaulingTripNumber | 2,250.00 | 1,800.00 |
| tblTripsAndVMT | VendorTripNumber | 10.00 | 14.00 |
| tblTripsAndVMT | WorkerTripNumber | 25.00 | 35.00 |
| tblTripsAndVMT | WorkerTripNumber | 5.00 | 7.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblWater | IndoorWaterUseRate | 13,627,562.50 | 0.00 |

2.0 Emissions Summary

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

2.1 Overall Construction

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2018 | 0.3099 | 4.5703 | 2.2324 | 6.9100e-003 | 0.3967 | 0.1454 | 0.5421 | 0.1904 | 0.1342 | 0.3246 | 0.0000 | 644.4085 | 644.4085 | 0.0924 | 0.0000 | 646.7186 |
| 2019 | 0.4825 | 5.9855 | 3.5142 | 8.9700e-003 | 0.5014 | 0.2288 | 0.7303 | 0.2456 | 0.2121 | 0.4578 | 0.0000 | 819.4271 | 819.4271 | 0.1480 | 0.0000 | 823.1260 |
| 2020 | 0.4752 | 0.5333 | 0.4763 | 8.5000e-004 | 9.5300e-003 | 0.0288 | 0.0383 | 2.5900e-003 | 0.0271 | 0.0297 | 0.0000 | 74.5677 | 74.5677 | 0.0144 | 0.0000 | 74.9285 |
| Maximum | 0.4825 | 5.9855 | 3.5142 | 8.9700e-003 | 0.5014 | 0.2288 | 0.7303 | 0.2456 | 0.2121 | 0.4578 | 0.0000 | 819.4271 | 819.4271 | 0.1480 | 0.0000 | 823.1260 |

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 | | | | | |
| 2018 | 0.1077 | 2.2736 | 2.1550 | 6.9100e-003 | 0.2079 | 0.0468 | 0.2547 | 0.0888 | 0.0462 | 0.1350 | 0.0000 | 644.4082 | 644.4082 | 0.0924 | 0.0000 | 646.7182 |
| 2019 | 0.1577 | 2.9550 | 3.5591 | 8.9700e-003 | 0.2541 | 0.0968 | 0.3509 | 0.1118 | 0.0964 | 0.2081 | 0.0000 | 819.4265 | 819.4265 | 0.1480 | 0.0000 | 823.1254 |
| 2020 | 0.4380 | 0.4085 | 0.5014 | 8.5000e-004 | 9.5300e-003 | 0.0234 | 0.0329 | 2.5900e-003 | 0.0234 | 0.0260 | 0.0000 | 74.5677 | 74.5677 | 0.0144 | 0.0000 | 74.9284 |
| Maximum | 0.4380 | 2.9550 | 3.5591 | 8.9700e-003 | 0.2541 | 0.0968 | 0.3509 | 0.1118 | 0.0964 | 0.2081 | 0.0000 | 819.4265 | 819.4265 | 0.1480 | 0.0000 | 823.1254 |

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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 | N20 | CO2e |
|-------------------|-------|-------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 44.51 | 49.16 | 0.12 | 0.00 | 48.06 | 58.56 | 51.29 | 53.69 | 55.56 | 54.55 | 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 | 6-1-2018 | 8-31-2018 | 3.1647 | 1.5226 |
| 2 | 9-1-2018 | 11-30-2018 | 1.6614 | 0.8046 |
| 4 | 3-1-2019 | 5-31-2019 | 1.7945 | 0.7745 |
| 5 | 6-1-2019 | 8-31-2019 | 2.6884 | 1.1856 |
| 6 | 9-1-2019 | 11-30-2019 | 1.6792 | 0.9236 |
| 7 | 12-1-2019 | 2-29-2020 | 1.0835 | 0.8482 |
| 8 | 3-1-2020 | 5-31-2020 | 0.2151 | 0.1929 |
| | | Highest | 3.1647 | 1.5226 |

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2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 5.0000e-005 | 1.0000e-005 | 5.4000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0500e-003 | 1.0500e-003 | 0.0000 | 0.0000 | 1.1200e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 5.0000e-005 | 1.0000e-005 | 5.4000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0500e-003 | 1.0500e-003 | 0.0000 | 0.0000 | 1.1200e-003 |

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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 | 5.0000e-005 | 1.0000e-005 | 5.4000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0500e-003 | 1.0500e-003 | 0.0000 | 0.0000 | 1.1200e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 5.0000e-005 | 1.0000e-005 | 5.4000e-004 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0500e-003 | 1.0500e-003 | 0.0000 | 0.0000 | 1.1200e-003 |

| | ROG | NOx | CO | SO2 | 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

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-------------------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Phase 1 Lime Remediation | Grading | 6/1/2018 | 10/18/2018 | 5 | 100 | |
| 2 | Phase 2 Lime Remediation | Grading | 3/29/2019 | 9/30/2019 | 5 | 132 | |
| 3 | Phase 2 Building Construction | Building Construction | 8/20/2019 | 3/9/2020 | 5 | 145 | |
| 4 | Phase 2 Architectural Coating | Architectural Coating | 2/11/2020 | 3/9/2020 | 5 | 20 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 88,391; Non-Residential Outdoor: 29,464; Striped Parking Area: 1,464 (Architectural Coating – sqft)

OffRoad Equipment

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| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Phase 1 Lime Remediation | Excavators | 2 | 8.00 | 158 | 0.38 |
| Phase 1 Lime Remediation | Graders | 1 | 8.00 | 187 | 0.41 |
| Phase 1 Lime Remediation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Phase 1 Lime Remediation | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Phase 1 Lime Remediation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase 2 Lime Remediation | Excavators | 2 | 8.00 | 158 | 0.38 |
| Phase 2 Lime Remediation | Graders | 1 | 8.00 | 187 | 0.41 |
| Phase 2 Lime Remediation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Phase 2 Lime Remediation | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Phase 2 Lime Remediation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase 2 Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Phase 2 Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase 2 Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase 2 Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase 2 Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase 2 Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Phase 1 Lime Remediation | 8 | 20.00 | 0.00 | 2,100.00 | 10.80 | 7.30 | 91.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 2 Lime Remediation | 8 | 20.00 | 0.00 | 1,800.00 | 10.80 | 7.30 | 91.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 2 Building Construction | 9 | 35.00 | 14.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 2 Architectural Coating | 1 | 7.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

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Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Phase 1 Lime Remediation - 2018

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 | | | | | 0.3096 | 0.0000 | 0.3096 | 0.1666 | 0.0000 | 0.1666 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2545 | 2.9761 | 1.7545 | 3.1000e-003 | | 0.1317 | 0.1317 | | 0.1212 | 0.1212 | 0.0000 | 283.2425 | 283.2425 | 0.0882 | 0.0000 | 285.4469 |
| Total | 0.2545 | 2.9761 | 1.7545 | 3.1000e-003 | 0.3096 | 0.1317 | 0.4413 | 0.1666 | 0.1212 | 0.2877 | 0.0000 | 283.2425 | 283.2425 | 0.0882 | 0.0000 | 285.4469 |

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3.2 Phase 1 Lime Remediation - 2018

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 | 0.0496 | 1.5903 | 0.4362 | 3.7300e-003 | 0.0793 | 0.0136 | 0.0929 | 0.0217 | 0.0130 | 0.0347 | 0.0000 | 353.5979 | 353.5979 | 3.9300e-003 | 0.0000 | 353.6961 |
| 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 | 5.8600e-003 | 3.9400e-003 | 0.0417 | 8.0000e-005 | 7.8700e-003 | 7.0000e-005 | 7.9400e-003 | 2.0900e-003 | 6.0000e-005 | 2.1600e-003 | 0.0000 | 7.5681 | 7.5681 | 3.0000e-004 | 0.0000 | 7.5755 |
| Total | 0.0554 | 1.5942 | 0.4780 | 3.8100e-003 | 0.0871 | 0.0137 | 0.1008 | 0.0238 | 0.0131 | 0.0369 | 0.0000 | 361.1660 | 361.1660 | 4.2300e-003 | 0.0000 | 361.2716 |

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 | | | | | 0.1207 | 0.0000 | 0.1207 | 0.0650 | 0.0000 | 0.0650 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0523 | 0.6794 | 1.6770 | 3.1000e-003 | | 0.0332 | 0.0332 | | 0.0332 | 0.0332 | 0.0000 | 283.2422 | 283.2422 | 0.0882 | 0.0000 | 285.4466 |
| Total | 0.0523 | 0.6794 | 1.6770 | 3.1000e-003 | 0.1207 | 0.0332 | 0.1539 | 0.0650 | 0.0332 | 0.0981 | 0.0000 | 283.2422 | 283.2422 | 0.0882 | 0.0000 | 285.4466 |

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3.2 Phase 1 Lime Remediation - 2018

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 | 0.0496 | 1.5903 | 0.4362 | 3.7300e-003 | 0.0793 | 0.0136 | 0.0929 | 0.0217 | 0.0130 | 0.0347 | 0.0000 | 353.5979 | 353.5979 | 3.9300e-003 | 0.0000 | 353.6961 |
| 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 | 5.8600e-003 | 3.9400e-003 | 0.0417 | 8.0000e-005 | 7.8700e-003 | 7.0000e-005 | 7.9400e-003 | 2.0900e-003 | 6.0000e-005 | 2.1600e-003 | 0.0000 | 7.5681 | 7.5681 | 3.0000e-004 | 0.0000 | 7.5755 |
| Total | 0.0554 | 1.5942 | 0.4780 | 3.8100e-003 | 0.0871 | 0.0137 | 0.1008 | 0.0238 | 0.0131 | 0.0369 | 0.0000 | 361.1660 | 361.1660 | 4.2300e-003 | 0.0000 | 361.2716 |

3.3 Phase 2 Lime Remediation - 2019

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 | | | | | 0.4055 | 0.0000 | 0.4055 | 0.2195 | 0.0000 | 0.2195 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.3128 | 3.5983 | 2.2029 | 4.0900e-003 | | 0.1573 | 0.1573 | | 0.1447 | 0.1447 | 0.0000 | 367.6287 | 367.6287 | 0.1163 | 0.0000 | 370.5366 |
| Total | 0.3128 | 3.5983 | 2.2029 | 4.0900e-003 | 0.4055 | 0.1573 | 0.5628 | 0.2195 | 0.1447 | 0.3641 | 0.0000 | 367.6287 | 367.6287 | 0.1163 | 0.0000 | 370.5366 |

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3.3 Phase 2 Lime Remediation - 2019

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 | 0.0366 | 1.2704 | 0.3443 | 3.1600e-003 | 0.0680 | 8.6800e-003 | 0.0766 | 0.0186 | 8.3100e-003 | 0.0269 | 0.0000 | 299.9373 | 299.9373 | 2.9600e-003 | 0.0000 | 300.0112 |
| 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 | 7.0700e-003 | 4.5700e-003 | 0.0487 | 1.1000e-004 | 0.0104 | 8.0000e-005 | 0.0105 | 2.7700e-003 | 8.0000e-005 | 2.8400e-003 | 0.0000 | 9.6023 | 9.6023 | 3.4000e-004 | 0.0000 | 9.6108 |
| Total | 0.0437 | 1.2750 | 0.3929 | 3.2700e-003 | 0.0783 | 8.7600e-003 | 0.0871 | 0.0214 | 8.3900e-003 | 0.0298 | 0.0000 | 309.5396 | 309.5396 | 3.3000e-003 | 0.0000 | 309.6220 |

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 | | | | | 0.1582 | 0.0000 | 0.1582 | 0.0856 | 0.0000 | 0.0856 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0690 | 0.8968 | 2.2136 | 4.0900e-003 | | 0.0438 | 0.0438 | | 0.0438 | 0.0438 | 0.0000 | 367.6283 | 367.6283 | 0.1163 | 0.0000 | 370.5361 |
| Total | 0.0690 | 0.8968 | 2.2136 | 4.0900e-003 | 0.1582 | 0.0438 | 0.2019 | 0.0856 | 0.0438 | 0.1293 | 0.0000 | 367.6283 | 367.6283 | 0.1163 | 0.0000 | 370.5361 |

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3.3 Phase 2 Lime Remediation - 2019

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 | 0.0366 | 1.2704 | 0.3443 | 3.1600e-003 | 0.0680 | 8.6800e-003 | 0.0766 | 0.0186 | 8.3100e-003 | 0.0269 | 0.0000 | 299.9373 | 299.9373 | 2.9600e-003 | 0.0000 | 300.0112 |
| 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 | 7.0700e-003 | 4.5700e-003 | 0.0487 | 1.1000e-004 | 0.0104 | 8.0000e-005 | 0.0105 | 2.7700e-003 | 8.0000e-005 | 2.8400e-003 | 0.0000 | 9.6023 | 9.6023 | 3.4000e-004 | 0.0000 | 9.6108 |
| Total | 0.0437 | 1.2750 | 0.3929 | 3.2700e-003 | 0.0783 | 8.7600e-003 | 0.0871 | 0.0214 | 8.3900e-003 | 0.0298 | 0.0000 | 309.5396 | 309.5396 | 3.3000e-003 | 0.0000 | 309.6220 |

3.4 Phase 2 Building Construction - 2019

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 | 0.1133 | 1.0118 | 0.8239 | 1.2900e-003 | | 0.0619 | 0.0619 | | 0.0582 | 0.0582 | 0.0000 | 112.8500 | 112.8500 | 0.0275 | 0.0000 | 113.5373 |
| Total | 0.1133 | 1.0118 | 0.8239 | 1.2900e-003 | | 0.0619 | 0.0619 | | 0.0582 | 0.0582 | 0.0000 | 112.8500 | 112.8500 | 0.0275 | 0.0000 | 113.5373 |

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3.4 Phase 2 Building Construction - 2019

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 | 3.7000e-003 | 0.0946 | 0.0326 | 1.8000e-004 | 4.3700e-003 | 7.9000e-004 | 5.1600e-003 | 1.2600e-003 | 7.6000e-004 | 2.0200e-003 | 0.0000 | 17.1876 | 17.1876 | 4.2000e-004 | 0.0000 | 17.1982 |
| Worker | 9.0000e-003 | 5.8200e-003 | 0.0620 | 1.4000e-004 | 0.0132 | 1.1000e-004 | 0.0133 | 3.5200e-003 | 1.0000e-004 | 3.6200e-003 | 0.0000 | 12.2211 | 12.2211 | 4.3000e-004 | 0.0000 | 12.2319 |
| Total | 0.0127 | 0.1004 | 0.0946 | 3.2000e-004 | 0.0176 | 9.0000e-004 | 0.0185 | 4.7800e-003 | 8.6000e-004 | 5.6400e-003 | 0.0000 | 29.4087 | 29.4087 | 8.5000e-004 | 0.0000 | 29.4301 |

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 | 0.0324 | 0.6829 | 0.8579 | 1.2900e-003 | | 0.0434 | 0.0434 | | 0.0434 | 0.0434 | 0.0000 | 112.8499 | 112.8499 | 0.0275 | 0.0000 | 113.5372 |
| Total | 0.0324 | 0.6829 | 0.8579 | 1.2900e-003 | | 0.0434 | 0.0434 | | 0.0434 | 0.0434 | 0.0000 | 112.8499 | 112.8499 | 0.0275 | 0.0000 | 113.5372 |

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3.4 Phase 2 Building Construction - 2019

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 | 3.7000e-003 | 0.0946 | 0.0326 | 1.8000e-004 | 4.3700e-003 | 7.9000e-004 | 5.1600e-003 | 1.2600e-003 | 7.6000e-004 | 2.0200e-003 | 0.0000 | 17.1876 | 17.1876 | 4.2000e-004 | 0.0000 | 17.1982 |
| Worker | 9.0000e-003 | 5.8200e-003 | 0.0620 | 1.4000e-004 | 0.0132 | 1.1000e-004 | 0.0133 | 3.5200e-003 | 1.0000e-004 | 3.6200e-003 | 0.0000 | 12.2211 | 12.2211 | 4.3000e-004 | 0.0000 | 12.2319 |
| Total | 0.0127 | 0.1004 | 0.0946 | 3.2000e-004 | 0.0176 | 9.0000e-004 | 0.0185 | 4.7800e-003 | 8.6000e-004 | 5.6400e-003 | 0.0000 | 29.4087 | 29.4087 | 8.5000e-004 | 0.0000 | 29.4301 |

3.4 Phase 2 Building Construction - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0519 | 0.4701 | 0.4128 | 6.6000e-004 | | 0.0274 | 0.0274 | | 0.0257 | 0.0257 | 0.0000 | 56.7445 | 56.7445 | 0.0138 | 0.0000 | 57.0905 |
| Total | 0.0519 | 0.4701 | 0.4128 | 6.6000e-004 | | 0.0274 | 0.0274 | | 0.0257 | 0.0257 | 0.0000 | 56.7445 | 56.7445 | 0.0138 | 0.0000 | 57.0905 |

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3.4 Phase 2 Building Construction - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 1.4700e-003 | 0.0435 | 0.0146 | 9.0000e-005 | 2.2300e-003 | 2.5000e-004 | 2.4800e-003 | 6.4000e-004 | 2.4000e-004 | 8.8000e-004 | 0.0000 | 8.7322 | 8.7322 | 1.8000e-004 | 0.0000 | 8.7367 |
| Worker | 4.2700e-003 | 2.6400e-003 | 0.0283 | 7.0000e-005 | 6.7500e-003 | 5.0000e-005 | 6.8000e-003 | 1.8000e-003 | 5.0000e-005 | 1.8500e-003 | 0.0000 | 6.0444 | 6.0444 | 1.9000e-004 | 0.0000 | 6.0492 |
| Total | 5.7400e-003 | 0.0462 | 0.0429 | 1.6000e-004 | 8.9800e-003 | 3.0000e-004 | 9.2800e-003 | 2.4400e-003 | 2.9000e-004 | 2.7300e-003 | 0.0000 | 14.7766 | 14.7766 | 3.7000e-004 | 0.0000 | 14.7859 |

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 | 0.0165 | 0.3485 | 0.4379 | 6.6000e-004 | | 0.0221 | 0.0221 | | 0.0221 | 0.0221 | 0.0000 | 56.7444 | 56.7444 | 0.0138 | 0.0000 | 57.0905 |
| Total | 0.0165 | 0.3485 | 0.4379 | 6.6000e-004 | | 0.0221 | 0.0221 | | 0.0221 | 0.0221 | 0.0000 | 56.7444 | 56.7444 | 0.0138 | 0.0000 | 57.0905 |

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3.4 Phase 2 Building Construction - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 1.4700e-003 | 0.0435 | 0.0146 | 9.0000e-005 | 2.2300e-003 | 2.5000e-004 | 2.4800e-003 | 6.4000e-004 | 2.4000e-004 | 8.8000e-004 | 0.0000 | 8.7322 | 8.7322 | 1.8000e-004 | 0.0000 | 8.7367 |
| Worker | 4.2700e-003 | 2.6400e-003 | 0.0283 | 7.0000e-005 | 6.7500e-003 | 5.0000e-005 | 6.8000e-003 | 1.8000e-003 | 5.0000e-005 | 1.8500e-003 | 0.0000 | 6.0444 | 6.0444 | 1.9000e-004 | 0.0000 | 6.0492 |
| Total | 5.7400e-003 | 0.0462 | 0.0429 | 1.6000e-004 | 8.9800e-003 | 3.0000e-004 | 9.2800e-003 | 2.4400e-003 | 2.9000e-004 | 2.7300e-003 | 0.0000 | 14.7766 | 14.7766 | 3.7000e-004 | 0.0000 | 14.7859 |

3.5 Phase 2 Architectural Coating - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.4148 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.4200e-003 | 0.0168 | 0.0183 | 3.0000e-005 | | 1.1100e-003 | 1.1100e-003 | | 1.1100e-003 | 1.1100e-003 | 0.0000 | 2.5533 | 2.5533 | 2.0000e-004 | 0.0000 | 2.5582 |
| Total | 0.4172 | 0.0168 | 0.0183 | 3.0000e-005 | | 1.1100e-003 | 1.1100e-003 | | 1.1100e-003 | 1.1100e-003 | 0.0000 | 2.5533 | 2.5533 | 2.0000e-004 | 0.0000 | 2.5582 |

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3.5 Phase 2 Architectural Coating - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.5000e-004 | 2.2000e-004 | 2.3100e-003 | 1.0000e-005 | 5.5000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4934 | 0.4934 | 2.0000e-005 | 0.0000 | 0.4938 |
| Total | 3.5000e-004 | 2.2000e-004 | 2.3100e-003 | 1.0000e-005 | 5.5000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4934 | 0.4934 | 2.0000e-005 | 0.0000 | 0.4938 |

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 | 0.4148 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 5.9000e-004 | 0.0136 | 0.0183 | 3.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | 0.0000 | 2.5533 | 2.5533 | 2.0000e-004 | 0.0000 | 2.5582 |
| Total | 0.4154 | 0.0136 | 0.0183 | 3.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | 0.0000 | 2.5533 | 2.5533 | 2.0000e-004 | 0.0000 | 2.5582 |

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3.5 Phase 2 Architectural Coating - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.5000e-004 | 2.2000e-004 | 2.3100e-003 | 1.0000e-005 | 5.5000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4934 | 0.4934 | 2.0000e-005 | 0.0000 | 0.4938 |
| Total | 3.5000e-004 | 2.2000e-004 | 2.3100e-003 | 1.0000e-005 | 5.5000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4934 | 0.4934 | 2.0000e-005 | 0.0000 | 0.4938 |

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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

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 Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.512962 | 0.041542 | 0.225677 | 0.140684 | 0.035619 | 0.007151 | 0.016044 | 0.009270 | 0.001580 | 0.001207 | 0.005638 | 0.000826 | 0.001801 |

5.0 Energy Detail

Historical Energy Use: N

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 Light Industry | 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 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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5.2 Energy by Land Use - Natural Gas

Mitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Light Industry | 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 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-----------------|---------------|---------------|---------------|---------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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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 Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 | 5.0000e-005 | 1.0000e-005 | 5.4000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0500e-003 | 1.0500e-003 | 0.0000 | 0.0000 | 1.1200e-003 |
| Unmitigated | 5.0000e-005 | 1.0000e-005 | 5.4000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0500e-003 | 1.0500e-003 | 0.0000 | 0.0000 | 1.1200e-003 |

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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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 5.0000e-005 | 1.0000e-005 | 5.4000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0500e-003 | 1.0500e-003 | 0.0000 | 0.0000 | 1.1200e-003 |
| Total | 5.0000e-005 | 1.0000e-005 | 5.4000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0500e-003 | 1.0500e-003 | 0.0000 | 0.0000 | 1.1200e-003 |

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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 5.0000e-005 | 1.0000e-005 | 5.4000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0500e-003 | 1.0500e-003 | 0.0000 | 0.0000 | 1.1200e-003 |
| Total | 5.0000e-005 | 1.0000e-005 | 5.4000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.0500e-003 | 1.0500e-003 | 0.0000 | 0.0000 | 1.1200e-003 |

7.0 Water Detail

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|--------|
| Category | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------------------|---------------|---------------|---------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| General Light Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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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 Light Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

9.0 Operational Offroad

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

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

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

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

**3390.0003 Phase 1+2 Construction Tier 3/Tier 4
El Dorado-Mountain County County, Summer**

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|----------|-------------|--------------------|------------|
| General Light Industry | 58.93 | 1000sqft | 10.18 | 58,927.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2020 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

Project Characteristics -

Land Use - Total lot acreage: 10.18; General light industry land use encompasses the new transfer station, household hazardous waste building/covered appliance storage, covered recycle bin area, scale house, and office remodeling

Construction Phase - Based on 180327 El Dorado Precon Phased Schedule

Off-road Equipment -

Trips and VMT - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

On-road Fugitive Dust -

Grading - Based on earthwork quantities provided by Youngdahl Consulting Group; Project site 10.18 acres

Architectural Coating - Based on Rule 215- all flat, nonflat, and nonflat-high gloss coatings shall be no more than 150 g/L low VOC paint

Vehicle Trips - Construction only

Road Dust - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Construction Off-road Equipment Mitigation - Tier 3 for all construction equipment (except for rubber tired dozers and scrapers). All rubber tired dozers and scrapers shall be Tier 4 Final.

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblArchitecturalCoating | ConstArea_Parking | 0.00 | 1,464.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 150.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 150.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 150.00 |
| tblAreaCoating | Area_Parking | 0 | 1464 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

| | | | |
|-------------------------|------------------------------|-----------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 7.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 300.00 | 145.00 |
| tblConstructionPhase | NumDays | 30.00 | 100.00 |
| tblConstructionPhase | NumDays | 30.00 | 132.00 |
| tblConsumerProducts | ROG_EF | 2.14E-05 | 0 |
| tblConsumerProducts | ROG_EF_Degreaser | 3.542E-07 | 1E-10 |
| tblConsumerProducts | ROG_EF_PesticidesFertilizers | 5.152E-08 | 1E-10 |
| tblEnergyUse | LightingElect | 1.81 | 0.00 |
| tblEnergyUse | NT24E | 1.85 | 0.00 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

| | | | |
|-----------------|--------------------------|---------------|-----------|
| tblEnergyUse | NT24NG | 0.31 | 0.00 |
| tblEnergyUse | T24E | 0.62 | 0.00 |
| tblEnergyUse | T24NG | 3.20 | 0.00 |
| tblGrading | AcresOfGrading | 250.00 | 10.18 |
| tblGrading | AcresOfGrading | 330.00 | 10.18 |
| tblGrading | MaterialExported | 0.00 | 21,000.00 |
| tblGrading | MaterialExported | 0.00 | 18,000.00 |
| tblGrading | MaterialImported | 0.00 | 21,000.00 |
| tblGrading | MaterialImported | 0.00 | 18,000.00 |
| tblLandUse | LandUseSquareFeet | 58,930.00 | 58,927.00 |
| tblLandUse | LotAcreage | 1.35 | 10.18 |
| tblRoadDust | RoadPercentPave | 100 | 0 |
| tblSolidWaste | SolidWasteGenerationRate | 73.07 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 91.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 91.00 |
| tblTripsAndVMT | HaulingTripNumber | 2,625.00 | 2,100.00 |
| tblTripsAndVMT | HaulingTripNumber | 2,250.00 | 1,800.00 |
| tblTripsAndVMT | VendorTripNumber | 10.00 | 14.00 |
| tblTripsAndVMT | WorkerTripNumber | 25.00 | 35.00 |
| tblTripsAndVMT | WorkerTripNumber | 5.00 | 7.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblWater | IndoorWaterUseRate | 13,627,562.50 | 0.00 |

2.0 Emissions Summary

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 6.2096 | 90.1088 | 44.8172 | 0.1385 | 8.0020 | 2.9066 | 10.9086 | 3.8239 | 2.6840 | 6.5079 | 0.0000 | 14,228.7868 | 14,228.7868 | 2.0380 | 0.0000 | 14,279.7365 |
| 2019 | 8.0509 | 96.1610 | 58.6479 | 0.1455 | 7.7590 | 3.8238 | 11.5828 | 3.7637 | 3.5494 | 7.3131 | 0.0000 | 14,621.7398 | 14,621.7398 | 2.6496 | 0.0000 | 14,687.9787 |
| 2020 | 44.1268 | 22.7208 | 20.7405 | 0.0372 | 0.4392 | 1.2407 | 1.6799 | 0.1186 | 1.1733 | 1.2919 | 0.0000 | 3,583.9156 | 3,583.9156 | 0.6635 | 0.0000 | 3,600.5035 |
| Maximum | 44.1268 | 96.1610 | 58.6479 | 0.1455 | 8.0020 | 3.8238 | 11.5828 | 3.8239 | 3.5494 | 7.3131 | 0.0000 | 14,621.7398 | 14,621.7398 | 2.6496 | 0.0000 | 14,687.9787 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 2.1651 | 44.1750 | 43.2679 | 0.1385 | 4.2248 | 0.9358 | 5.1606 | 1.7918 | 0.9239 | 2.7157 | 0.0000 | 14,228.7867 | 14,228.7867 | 2.0380 | 0.0000 | 14,279.7365 |
| 2019 | 2.6704 | 48.3761 | 59.5211 | 0.1455 | 4.0111 | 1.7177 | 5.7288 | 1.7354 | 1.7111 | 3.4465 | 0.0000 | 14,621.7398 | 14,621.7398 | 2.6496 | 0.0000 | 14,687.9787 |
| 2020 | 42.4981 | 17.4339 | 21.7668 | 0.0372 | 0.4392 | 1.0113 | 1.4506 | 0.1186 | 1.0107 | 1.1293 | 0.0000 | 3,583.9156 | 3,583.9156 | 0.6635 | 0.0000 | 3,600.5035 |
| Maximum | 42.4981 | 48.3761 | 59.5211 | 0.1455 | 4.2248 | 1.7177 | 5.7288 | 1.7918 | 1.7111 | 3.4465 | 0.0000 | 14,621.7398 | 14,621.7398 | 2.6496 | 0.0000 | 14,687.9787 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|-------|-------|-------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 18.93 | 47.37 | -0.28 | 0.00 | 46.45 | 54.02 | 48.95 | 52.69 | 50.78 | 51.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|---------------|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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 | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | 0.0000 | 0.0138 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|---------------|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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 | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | 0.0000 | 0.0138 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-------------------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Phase 1 Lime Remediation | Grading | 6/1/2018 | 10/18/2018 | 5 | 100 | |
| 2 | Phase 2 Lime Remediation | Grading | 3/29/2019 | 9/30/2019 | 5 | 132 | |
| 3 | Phase 2 Building Construction | Building Construction | 8/20/2019 | 3/9/2020 | 5 | 145 | |
| 4 | Phase 2 Architectural Coating | Architectural Coating | 2/11/2020 | 3/9/2020 | 5 | 20 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 88,391; Non-Residential Outdoor: 29,464; Striped Parking Area: 1,464 (Architectural Coating – sqft)

OffRoad Equipment

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Phase 1 Lime Remediation | Excavators | 2 | 8.00 | 158 | 0.38 |
| Phase 1 Lime Remediation | Graders | 1 | 8.00 | 187 | 0.41 |
| Phase 1 Lime Remediation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Phase 1 Lime Remediation | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Phase 1 Lime Remediation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase 2 Lime Remediation | Excavators | 2 | 8.00 | 158 | 0.38 |
| Phase 2 Lime Remediation | Graders | 1 | 8.00 | 187 | 0.41 |
| Phase 2 Lime Remediation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Phase 2 Lime Remediation | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Phase 2 Lime Remediation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase 2 Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Phase 2 Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase 2 Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase 2 Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase 2 Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase 2 Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Phase 1 Lime Remediation | 8 | 20.00 | 0.00 | 2,100.00 | 10.80 | 7.30 | 91.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 2 Lime Remediation | 8 | 20.00 | 0.00 | 1,800.00 | 10.80 | 7.30 | 91.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 2 Building Construction | 9 | 35.00 | 14.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 2 Architectural Coating | 1 | 7.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Phase 1 Lime Remediation - 2018

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.1920 | 0.0000 | 6.1920 | 3.3313 | 0.0000 | 3.3313 | | | 0.0000 | | | 0.0000 |
| Off-Road | 5.0901 | 59.5218 | 35.0894 | 0.0620 | | 2.6337 | 2.6337 | | 2.4230 | 2.4230 | | 6,244.4284 | 6,244.4284 | 1.9440 | | 6,293.0278 |
| Total | 5.0901 | 59.5218 | 35.0894 | 0.0620 | 6.1920 | 2.6337 | 8.8258 | 3.3313 | 2.4230 | 5.7543 | | 6,244.4284 | 6,244.4284 | 1.9440 | | 6,293.0278 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.2 Phase 1 Lime Remediation - 2018

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.9922 | 30.5180 | 8.8298 | 0.0747 | 1.6457 | 0.2715 | 1.9171 | 0.4490 | 0.2598 | 0.7088 | | 7,803.6114 | 7,803.6114 | 0.0871 | | 7,805.7887 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1272 | 0.0689 | 0.8980 | 1.8200e-003 | 0.1643 | 1.3500e-003 | 0.1657 | 0.0436 | 1.2500e-003 | 0.0448 | | 180.7469 | 180.7469 | 6.9200e-003 | | 180.9200 |
| Total | 1.1194 | 30.5870 | 9.7279 | 0.0765 | 1.8100 | 0.2729 | 2.0828 | 0.4926 | 0.2610 | 0.7536 | | 7,984.3583 | 7,984.3583 | 0.0940 | | 7,986.7087 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.4149 | 0.0000 | 2.4149 | 1.2992 | 0.0000 | 1.2992 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.0457 | 13.5880 | 33.5400 | 0.0620 | | 0.6629 | 0.6629 | | 0.6629 | 0.6629 | 0.0000 | 6,244.4284 | 6,244.4284 | 1.9440 | | 6,293.0278 |
| Total | 1.0457 | 13.5880 | 33.5400 | 0.0620 | 2.4149 | 0.6629 | 3.0778 | 1.2992 | 0.6629 | 1.9621 | 0.0000 | 6,244.4284 | 6,244.4284 | 1.9440 | | 6,293.0278 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.2 Phase 1 Lime Remediation - 2018

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.9922 | 30.5180 | 8.8298 | 0.0747 | 1.6457 | 0.2715 | 1.9171 | 0.4490 | 0.2598 | 0.7088 | | 7,803.6114 | 7,803.6114 | 0.0871 | | 7,805.7887 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1272 | 0.0689 | 0.8980 | 1.8200e-003 | 0.1643 | 1.3500e-003 | 0.1657 | 0.0436 | 1.2500e-003 | 0.0448 | | 180.7469 | 180.7469 | 6.9200e-003 | | 180.9200 |
| Total | 1.1194 | 30.5870 | 9.7279 | 0.0765 | 1.8100 | 0.2729 | 2.0828 | 0.4926 | 0.2610 | 0.7536 | | 7,984.3583 | 7,984.3583 | 0.0940 | | 7,986.7087 |

3.3 Phase 2 Lime Remediation - 2019

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.1441 | 0.0000 | 6.1441 | 3.3252 | 0.0000 | 3.3252 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.7389 | 54.5202 | 33.3768 | 0.0620 | | 2.3827 | 2.3827 | | 2.1920 | 2.1920 | | 6,140.0195 | 6,140.0195 | 1.9426 | | 6,188.5854 |
| Total | 4.7389 | 54.5202 | 33.3768 | 0.0620 | 6.1441 | 2.3827 | 8.5268 | 3.3252 | 2.1920 | 5.5172 | | 6,140.0195 | 6,140.0195 | 1.9426 | | 6,188.5854 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.3 Phase 2 Lime Remediation - 2019

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.5546 | 18.4726 | 5.2807 | 0.0480 | 1.0689 | 0.1314 | 1.2002 | 0.2917 | 0.1257 | 0.4173 | | 5,014.7525 | 5,014.7525 | 0.0497 | | 5,015.9936 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1165 | 0.0606 | 0.7964 | 1.7500e-003 | 0.1643 | 1.2900e-003 | 0.1656 | 0.0436 | 1.1900e-003 | 0.0448 | | 173.7462 | 173.7462 | 6.0500e-003 | | 173.8975 |
| Total | 0.6711 | 18.5332 | 6.0771 | 0.0497 | 1.2332 | 0.1326 | 1.3658 | 0.3353 | 0.1269 | 0.4621 | | 5,188.4987 | 5,188.4987 | 0.0557 | | 5,189.8911 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.3962 | 0.0000 | 2.3962 | 1.2968 | 0.0000 | 1.2968 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.0457 | 13.5880 | 33.5400 | 0.0620 | | 0.6629 | 0.6629 | | 0.6629 | 0.6629 | 0.0000 | 6,140.0195 | 6,140.0195 | 1.9426 | | 6,188.5854 |
| Total | 1.0457 | 13.5880 | 33.5400 | 0.0620 | 2.3962 | 0.6629 | 3.0591 | 1.2968 | 0.6629 | 1.9597 | 0.0000 | 6,140.0195 | 6,140.0195 | 1.9426 | | 6,188.5854 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.3 Phase 2 Lime Remediation - 2019

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.5546 | 18.4726 | 5.2807 | 0.0480 | 1.0689 | 0.1314 | 1.2002 | 0.2917 | 0.1257 | 0.4173 | | 5,014.7525 | 5,014.7525 | 0.0497 | | 5,015.9936 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1165 | 0.0606 | 0.7964 | 1.7500e-003 | 0.1643 | 1.2900e-003 | 0.1656 | 0.0436 | 1.1900e-003 | 0.0448 | | 173.7462 | 173.7462 | 6.0500e-003 | | 173.8975 |
| Total | 0.6711 | 18.5332 | 6.0771 | 0.0497 | 1.2332 | 0.1326 | 1.3658 | 0.3353 | 0.1269 | 0.4621 | | 5,188.4987 | 5,188.4987 | 0.0557 | | 5,189.8911 |

3.4 Phase 2 Building Construction - 2019

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.3612 | 21.0788 | 17.1638 | 0.0269 | | 1.2899 | 1.2899 | | 1.2127 | 1.2127 | | 2,591.5802 | 2,591.5802 | 0.6313 | | 2,607.3635 |
| Total | 2.3612 | 21.0788 | 17.1638 | 0.0269 | | 1.2899 | 1.2899 | | 1.2127 | 1.2127 | | 2,591.5802 | 2,591.5802 | 0.6313 | | 2,607.3635 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.4 Phase 2 Building Construction - 2019

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0758 | 1.9227 | 0.6365 | 3.8100e-003 | 0.0942 | 0.0164 | 0.1106 | 0.0271 | 0.0157 | 0.0428 | | 397.5856 | 397.5856 | 9.3000e-003 | | 397.8181 |
| Worker | 0.2039 | 0.1061 | 1.3937 | 3.0600e-003 | 0.2875 | 2.2500e-003 | 0.2898 | 0.0763 | 2.0800e-003 | 0.0783 | | 304.0559 | 304.0559 | 0.0106 | | 304.3206 |
| Total | 0.2797 | 2.0288 | 2.0302 | 6.8700e-003 | 0.3817 | 0.0186 | 0.4003 | 0.1033 | 0.0178 | 0.1211 | | 701.6415 | 701.6415 | 0.0199 | | 702.1387 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,591.5802 | 2,591.5802 | 0.6313 | | 2,607.3635 |
| Total | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,591.5802 | 2,591.5802 | 0.6313 | | 2,607.3635 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.4 Phase 2 Building Construction - 2019

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0758 | 1.9227 | 0.6365 | 3.8100e-003 | 0.0942 | 0.0164 | 0.1106 | 0.0271 | 0.0157 | 0.0428 | | 397.5856 | 397.5856 | 9.3000e-003 | | 397.8181 |
| Worker | 0.2039 | 0.1061 | 1.3937 | 3.0600e-003 | 0.2875 | 2.2500e-003 | 0.2898 | 0.0763 | 2.0800e-003 | 0.0783 | | 304.0559 | 304.0559 | 0.0106 | | 304.3206 |
| Total | 0.2797 | 2.0288 | 2.0302 | 6.8700e-003 | 0.3817 | 0.0186 | 0.4003 | 0.1033 | 0.0178 | 0.1211 | | 701.6415 | 701.6415 | 0.0199 | | 702.1387 |

3.4 Phase 2 Building Construction - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.1198 | 19.1860 | 16.8485 | 0.0269 | | 1.1171 | 1.1171 | | 1.0503 | 1.0503 | | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |
| Total | 2.1198 | 19.1860 | 16.8485 | 0.0269 | | 1.1171 | 1.1171 | | 1.0503 | 1.0503 | | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.4 Phase 2 Building Construction - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0588 | 1.7375 | 0.5572 | 3.7900e-003 | 0.0942 | 0.0101 | 0.1043 | 0.0271 | 9.6500e-003 | 0.0367 | | 395.8267 | 395.8267 | 7.7300e-003 | | 396.0199 |
| Worker | 0.1897 | 0.0945 | 1.2528 | 2.9600e-003 | 0.2875 | 2.1800e-003 | 0.2897 | 0.0763 | 2.0100e-003 | 0.0783 | | 294.6482 | 294.6482 | 9.2800e-003 | | 294.8802 |
| Total | 0.2485 | 1.8320 | 1.8100 | 6.7500e-003 | 0.3817 | 0.0123 | 0.3940 | 0.1033 | 0.0117 | 0.1150 | | 690.4749 | 690.4749 | 0.0170 | | 690.9002 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |
| Total | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.4 Phase 2 Building Construction - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0588 | 1.7375 | 0.5572 | 3.7900e-003 | 0.0942 | 0.0101 | 0.1043 | 0.0271 | 9.6500e-003 | 0.0367 | | 395.8267 | 395.8267 | 7.7300e-003 | | 396.0199 |
| Worker | 0.1897 | 0.0945 | 1.2528 | 2.9600e-003 | 0.2875 | 2.1800e-003 | 0.2897 | 0.0763 | 2.0100e-003 | 0.0783 | | 294.6482 | 294.6482 | 9.2800e-003 | | 294.8802 |
| Total | 0.2485 | 1.8320 | 1.8100 | 6.7500e-003 | 0.3817 | 0.0123 | 0.3940 | 0.1033 | 0.0117 | 0.1150 | | 690.4749 | 690.4749 | 0.0170 | | 690.9002 |

3.5 Phase 2 Architectural Coating - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 41.4783 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2422 | 1.6838 | 1.8314 | 2.9700e-003 | | 0.1109 | 0.1109 | | 0.1109 | 0.1109 | | 281.4481 | 281.4481 | 0.0218 | | 281.9928 |
| Total | 41.7205 | 1.6838 | 1.8314 | 2.9700e-003 | | 0.1109 | 0.1109 | | 0.1109 | 0.1109 | | 281.4481 | 281.4481 | 0.0218 | | 281.9928 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.5 Phase 2 Architectural Coating - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0379 | 0.0189 | 0.2506 | 5.9000e-004 | 0.0575 | 4.4000e-004 | 0.0579 | 0.0153 | 4.0000e-004 | 0.0157 | | 58.9296 | 58.9296 | 1.8600e-003 | | 58.9760 |
| Total | 0.0379 | 0.0189 | 0.2506 | 5.9000e-004 | 0.0575 | 4.4000e-004 | 0.0579 | 0.0153 | 4.0000e-004 | 0.0157 | | 58.9296 | 58.9296 | 1.8600e-003 | | 58.9760 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 41.4783 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0594 | 1.3570 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0218 | | 281.9928 |
| Total | 41.5377 | 1.3570 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0218 | | 281.9928 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.5 Phase 2 Architectural Coating - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0379 | 0.0189 | 0.2506 | 5.9000e-004 | 0.0575 | 4.4000e-004 | 0.0579 | 0.0153 | 4.0000e-004 | 0.0157 | | 58.9296 | 58.9296 | 1.8600e-003 | | 58.9760 |
| Total | 0.0379 | 0.0189 | 0.2506 | 5.9000e-004 | 0.0575 | 4.4000e-004 | 0.0579 | 0.0153 | 4.0000e-004 | 0.0157 | | 58.9296 | 58.9296 | 1.8600e-003 | | 58.9760 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

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 Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.512962 | 0.041542 | 0.225677 | 0.140684 | 0.035619 | 0.007151 | 0.016044 | 0.009270 | 0.001580 | 0.001207 | 0.005638 | 0.000826 | 0.001801 |

5.0 Energy Detail

Historical Energy Use: N

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 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 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 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 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |
| Unmitigated | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |
| Total | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |
| Total | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| 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

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3390.0003 Phase 1+2 Construction Tier 3/Tier 4
El Dorado-Mountain County County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|----------|-------------|--------------------|------------|
| General Light Industry | 58.93 | 1000sqft | 10.18 | 58,927.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2020 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

Project Characteristics -

Land Use - Total lot acreage: 10.18; General light industry land use encompasses the new transfer station, household hazardous waste building/covered appliance storage, covered recycle bin area, scale house, and office remodeling

Construction Phase - Based on 180327 El Dorado Precon Phased Schedule

Off-road Equipment -

Trips and VMT - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

On-road Fugitive Dust -

Grading - Based on earthwork quantities provided by Youngdahl Consulting Group; Project site 10.18 acres

Architectural Coating - Based on Rule 215- all flat, nonflat, and nonflat-high gloss coatings shall be no more than 150 g/L low VOC paint

Vehicle Trips - Construction only

Road Dust - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Construction Off-road Equipment Mitigation - Tier 3 for all construction equipment (except for rubber tired dozers and scrapers). All rubber tired dozers and scrapers shall be Tier 4 Final.

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblArchitecturalCoating | ConstArea_Parking | 0.00 | 1,464.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 150.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 150.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 150.00 |
| tblAreaCoating | Area_Parking | 0 | 1464 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

| | | | |
|-------------------------|------------------------------|-----------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 7.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 300.00 | 145.00 |
| tblConstructionPhase | NumDays | 30.00 | 100.00 |
| tblConstructionPhase | NumDays | 30.00 | 132.00 |
| tblConsumerProducts | ROG_EF | 2.14E-05 | 0 |
| tblConsumerProducts | ROG_EF_Degreaser | 3.542E-07 | 1E-10 |
| tblConsumerProducts | ROG_EF_PesticidesFertilizers | 5.152E-08 | 1E-10 |
| tblEnergyUse | LightingElect | 1.81 | 0.00 |
| tblEnergyUse | NT24E | 1.85 | 0.00 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

| | | | |
|-----------------|--------------------------|---------------|-----------|
| tblEnergyUse | NT24NG | 0.31 | 0.00 |
| tblEnergyUse | T24E | 0.62 | 0.00 |
| tblEnergyUse | T24NG | 3.20 | 0.00 |
| tblGrading | AcresOfGrading | 250.00 | 10.18 |
| tblGrading | AcresOfGrading | 330.00 | 10.18 |
| tblGrading | MaterialExported | 0.00 | 21,000.00 |
| tblGrading | MaterialExported | 0.00 | 18,000.00 |
| tblGrading | MaterialImported | 0.00 | 21,000.00 |
| tblGrading | MaterialImported | 0.00 | 18,000.00 |
| tblLandUse | LandUseSquareFeet | 58,930.00 | 58,927.00 |
| tblLandUse | LotAcreage | 1.35 | 10.18 |
| tblRoadDust | RoadPercentPave | 100 | 0 |
| tblSolidWaste | SolidWasteGenerationRate | 73.07 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 91.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 91.00 |
| tblTripsAndVMT | HaulingTripNumber | 2,625.00 | 2,100.00 |
| tblTripsAndVMT | HaulingTripNumber | 2,250.00 | 1,800.00 |
| tblTripsAndVMT | VendorTripNumber | 10.00 | 14.00 |
| tblTripsAndVMT | WorkerTripNumber | 25.00 | 35.00 |
| tblTripsAndVMT | WorkerTripNumber | 5.00 | 7.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblWater | IndoorWaterUseRate | 13,627,562.50 | 0.00 |

2.0 Emissions Summary

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 6.2136 | 91.6910 | 44.6136 | 0.1381 | 8.0020 | 2.9075 | 10.9095 | 3.8239 | 2.6849 | 6.5088 | 0.0000 | 14,192.1102 | 14,192.1102 | 2.0371 | 0.0000 | 14,243.0365 |
| 2019 | 8.0616 | 97.1914 | 58.5035 | 0.1448 | 7.7590 | 3.8246 | 11.5836 | 3.7637 | 3.5502 | 7.3139 | 0.0000 | 14,556.3527 | 14,556.3527 | 2.6490 | 0.0000 | 14,622.5786 |
| 2020 | 44.1340 | 22.7864 | 20.7144 | 0.0368 | 0.4392 | 1.2409 | 1.6801 | 0.1186 | 1.1735 | 1.2921 | 0.0000 | 3,542.8787 | 3,542.8787 | 0.6634 | 0.0000 | 3,559.4636 |
| Maximum | 44.1340 | 97.1914 | 58.5035 | 0.1448 | 8.0020 | 3.8246 | 11.5836 | 3.8239 | 3.5502 | 7.3139 | 0.0000 | 14,556.3527 | 14,556.3527 | 2.6490 | 0.0000 | 14,622.5786 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 2.1691 | 45.7572 | 43.0643 | 0.1381 | 4.2248 | 0.9367 | 5.1615 | 1.7918 | 0.9248 | 2.7166 | 0.0000 | 14,192.1102 | 14,192.1102 | 2.0371 | 0.0000 | 14,243.0365 |
| 2019 | 2.6811 | 49.4065 | 59.3768 | 0.1448 | 4.0111 | 1.7186 | 5.7296 | 1.7354 | 1.7119 | 3.4473 | 0.0000 | 14,556.3527 | 14,556.3527 | 2.6490 | 0.0000 | 14,622.5786 |
| 2020 | 42.5053 | 17.4996 | 21.7407 | 0.0368 | 0.4392 | 1.0115 | 1.4508 | 0.1186 | 1.0109 | 1.1295 | 0.0000 | 3,542.8787 | 3,542.8787 | 0.6634 | 0.0000 | 3,559.4636 |
| Maximum | 42.5053 | 49.4065 | 59.3768 | 0.1448 | 4.2248 | 1.7186 | 5.7296 | 1.7918 | 1.7119 | 3.4473 | 0.0000 | 14,556.3527 | 14,556.3527 | 2.6490 | 0.0000 | 14,622.5786 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|-------|-------|-------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 18.92 | 46.77 | -0.28 | 0.00 | 46.45 | 54.01 | 48.94 | 52.69 | 50.77 | 51.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|---------------|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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 | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | 0.0000 | 0.0138 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|---------------|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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 | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | 0.0000 | 0.0138 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-------------------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Phase 1 Lime Remediation | Grading | 6/1/2018 | 10/18/2018 | 5 | 100 | |
| 2 | Phase 2 Lime Remediation | Grading | 3/29/2019 | 9/30/2019 | 5 | 132 | |
| 3 | Phase 2 Building Construction | Building Construction | 8/20/2019 | 3/9/2020 | 5 | 145 | |
| 4 | Phase 2 Architectural Coating | Architectural Coating | 2/11/2020 | 3/9/2020 | 5 | 20 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 88,391; Non-Residential Outdoor: 29,464; Striped Parking Area: 1,464 (Architectural Coating – sqft)

OffRoad Equipment

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Phase 1 Lime Remediation | Excavators | 2 | 8.00 | 158 | 0.38 |
| Phase 1 Lime Remediation | Graders | 1 | 8.00 | 187 | 0.41 |
| Phase 1 Lime Remediation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Phase 1 Lime Remediation | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Phase 1 Lime Remediation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase 2 Lime Remediation | Excavators | 2 | 8.00 | 158 | 0.38 |
| Phase 2 Lime Remediation | Graders | 1 | 8.00 | 187 | 0.41 |
| Phase 2 Lime Remediation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Phase 2 Lime Remediation | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Phase 2 Lime Remediation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase 2 Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Phase 2 Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase 2 Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase 2 Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase 2 Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase 2 Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Phase 1 Lime Remediation | 8 | 20.00 | 0.00 | 2,100.00 | 10.80 | 7.30 | 91.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 2 Lime Remediation | 8 | 20.00 | 0.00 | 1,800.00 | 10.80 | 7.30 | 91.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 2 Building Construction | 9 | 35.00 | 14.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 2 Architectural Coating | 1 | 7.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Phase 1 Lime Remediation - 2018

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.1920 | 0.0000 | 6.1920 | 3.3313 | 0.0000 | 3.3313 | | | 0.0000 | | | 0.0000 |
| Off-Road | 5.0901 | 59.5218 | 35.0894 | 0.0620 | | 2.6337 | 2.6337 | | 2.4230 | 2.4230 | | 6,244.4284 | 6,244.4284 | 1.9440 | | 6,293.0278 |
| Total | 5.0901 | 59.5218 | 35.0894 | 0.0620 | 6.1920 | 2.6337 | 8.8258 | 3.3313 | 2.4230 | 5.7543 | | 6,244.4284 | 6,244.4284 | 1.9440 | | 6,293.0278 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.2 Phase 1 Lime Remediation - 2018

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.9938 | 32.0840 | 8.6736 | 0.0745 | 1.6457 | 0.2724 | 1.9181 | 0.4490 | 0.2607 | 0.7097 | | 7,784.2984 | 7,784.2984 | 0.0866 | | 7,786.4621 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1296 | 0.0853 | 0.8506 | 1.6400e-003 | 0.1643 | 1.3500e-003 | 0.1657 | 0.0436 | 1.2500e-003 | 0.0448 | | 163.3834 | 163.3834 | 6.5300e-003 | | 163.5467 |
| Total | 1.1234 | 32.1692 | 9.5242 | 0.0761 | 1.8100 | 0.2738 | 2.0837 | 0.4926 | 0.2619 | 0.7545 | | 7,947.6818 | 7,947.6818 | 0.0931 | | 7,950.0087 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.4149 | 0.0000 | 2.4149 | 1.2992 | 0.0000 | 1.2992 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.0457 | 13.5880 | 33.5400 | 0.0620 | | 0.6629 | 0.6629 | | 0.6629 | 0.6629 | 0.0000 | 6,244.4284 | 6,244.4284 | 1.9440 | | 6,293.0278 |
| Total | 1.0457 | 13.5880 | 33.5400 | 0.0620 | 2.4149 | 0.6629 | 3.0778 | 1.2992 | 0.6629 | 1.9621 | 0.0000 | 6,244.4284 | 6,244.4284 | 1.9440 | | 6,293.0278 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.2 Phase 1 Lime Remediation - 2018

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.9938 | 32.0840 | 8.6736 | 0.0745 | 1.6457 | 0.2724 | 1.9181 | 0.4490 | 0.2607 | 0.7097 | | 7,784.2984 | 7,784.2984 | 0.0866 | | 7,786.4621 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1296 | 0.0853 | 0.8506 | 1.6400e-003 | 0.1643 | 1.3500e-003 | 0.1657 | 0.0436 | 1.2500e-003 | 0.0448 | | 163.3834 | 163.3834 | 6.5300e-003 | | 163.5467 |
| Total | 1.1234 | 32.1692 | 9.5242 | 0.0761 | 1.8100 | 0.2738 | 2.0837 | 0.4926 | 0.2619 | 0.7545 | | 7,947.6818 | 7,947.6818 | 0.0931 | | 7,950.0087 |

3.3 Phase 2 Lime Remediation - 2019

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.1441 | 0.0000 | 6.1441 | 3.3252 | 0.0000 | 3.3252 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.7389 | 54.5202 | 33.3768 | 0.0620 | | 2.3827 | 2.3827 | | 2.1920 | 2.1920 | | 6,140.0195 | 6,140.0195 | 1.9426 | | 6,188.5854 |
| Total | 4.7389 | 54.5202 | 33.3768 | 0.0620 | 6.1441 | 2.3827 | 8.5268 | 3.3252 | 2.1920 | 5.5172 | | 6,140.0195 | 6,140.0195 | 1.9426 | | 6,188.5854 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.3 Phase 2 Lime Remediation - 2019

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.5558 | 19.4159 | 5.1840 | 0.0478 | 1.0689 | 0.1319 | 1.2007 | 0.2917 | 0.1262 | 0.4179 | | 5,002.1489 | 5,002.1489 | 0.0494 | | 5,003.3836 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1187 | 0.0750 | 0.7494 | 1.5800e-003 | 0.1643 | 1.2900e-003 | 0.1656 | 0.0436 | 1.1900e-003 | 0.0448 | | 157.0393 | 157.0393 | 5.6800e-003 | | 157.1813 |
| Total | 0.6745 | 19.4909 | 5.9334 | 0.0494 | 1.2332 | 0.1332 | 1.3663 | 0.3353 | 0.1274 | 0.4626 | | 5,159.1882 | 5,159.1882 | 0.0551 | | 5,160.5649 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.3962 | 0.0000 | 2.3962 | 1.2968 | 0.0000 | 1.2968 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.0457 | 13.5880 | 33.5400 | 0.0620 | | 0.6629 | 0.6629 | | 0.6629 | 0.6629 | 0.0000 | 6,140.0195 | 6,140.0195 | 1.9426 | | 6,188.5854 |
| Total | 1.0457 | 13.5880 | 33.5400 | 0.0620 | 2.3962 | 0.6629 | 3.0591 | 1.2968 | 0.6629 | 1.9597 | 0.0000 | 6,140.0195 | 6,140.0195 | 1.9426 | | 6,188.5854 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.3 Phase 2 Lime Remediation - 2019

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.5558 | 19.4159 | 5.1840 | 0.0478 | 1.0689 | 0.1319 | 1.2007 | 0.2917 | 0.1262 | 0.4179 | | 5,002.1489 | 5,002.1489 | 0.0494 | | 5,003.3836 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1187 | 0.0750 | 0.7494 | 1.5800e-003 | 0.1643 | 1.2900e-003 | 0.1656 | 0.0436 | 1.1900e-003 | 0.0448 | | 157.0393 | 157.0393 | 5.6800e-003 | | 157.1813 |
| Total | 0.6745 | 19.4909 | 5.9334 | 0.0494 | 1.2332 | 0.1332 | 1.3663 | 0.3353 | 0.1274 | 0.4626 | | 5,159.1882 | 5,159.1882 | 0.0551 | | 5,160.5649 |

3.4 Phase 2 Building Construction - 2019

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.3612 | 21.0788 | 17.1638 | 0.0269 | | 1.2899 | 1.2899 | | 1.2127 | 1.2127 | | 2,591.5802 | 2,591.5802 | 0.6313 | | 2,607.3635 |
| Total | 2.3612 | 21.0788 | 17.1638 | 0.0269 | | 1.2899 | 1.2899 | | 1.2127 | 1.2127 | | 2,591.5802 | 2,591.5802 | 0.6313 | | 2,607.3635 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.4 Phase 2 Building Construction - 2019

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0793 | 1.9704 | 0.7182 | 3.7500e-003 | 0.0942 | 0.0167 | 0.1109 | 0.0271 | 0.0160 | 0.0430 | | 390.7460 | 390.7460 | 0.0101 | | 390.9976 |
| Worker | 0.2078 | 0.1312 | 1.3114 | 2.7600e-003 | 0.2875 | 2.2500e-003 | 0.2898 | 0.0763 | 2.0800e-003 | 0.0783 | | 274.8189 | 274.8189 | 9.9300e-003 | | 275.0672 |
| Total | 0.2870 | 2.1015 | 2.0296 | 6.5100e-003 | 0.3817 | 0.0190 | 0.4007 | 0.1033 | 0.0181 | 0.1214 | | 665.5649 | 665.5649 | 0.0200 | | 666.0648 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,591.5802 | 2,591.5802 | 0.6313 | | 2,607.3635 |
| Total | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,591.5802 | 2,591.5802 | 0.6313 | | 2,607.3635 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.4 Phase 2 Building Construction - 2019

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0793 | 1.9704 | 0.7182 | 3.7500e-003 | 0.0942 | 0.0167 | 0.1109 | 0.0271 | 0.0160 | 0.0430 | | 390.7460 | 390.7460 | 0.0101 | | 390.9976 |
| Worker | 0.2078 | 0.1312 | 1.3114 | 2.7600e-003 | 0.2875 | 2.2500e-003 | 0.2898 | 0.0763 | 2.0800e-003 | 0.0783 | | 274.8189 | 274.8189 | 9.9300e-003 | | 275.0672 |
| Total | 0.2870 | 2.1015 | 2.0296 | 6.5100e-003 | 0.3817 | 0.0190 | 0.4007 | 0.1033 | 0.0181 | 0.1214 | | 665.5649 | 665.5649 | 0.0200 | | 666.0648 |

3.4 Phase 2 Building Construction - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.1198 | 19.1860 | 16.8485 | 0.0269 | | 1.1171 | 1.1171 | | 1.0503 | 1.0503 | | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |
| Total | 2.1198 | 19.1860 | 16.8485 | 0.0269 | | 1.1171 | 1.1171 | | 1.0503 | 1.0503 | | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.4 Phase 2 Building Construction - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0618 | 1.7764 | 0.6295 | 3.7300e-003 | 0.0942 | 0.0103 | 0.1045 | 0.0271 | 9.8400e-003 | 0.0369 | | 388.8183 | 388.8183 | 8.3900e-003 | | 389.0280 |
| Worker | 0.1933 | 0.1168 | 1.1709 | 2.6800e-003 | 0.2875 | 2.1800e-003 | 0.2897 | 0.0763 | 2.0100e-003 | 0.0783 | | 266.2910 | 266.2910 | 8.6400e-003 | | 266.5069 |
| Total | 0.2550 | 1.8932 | 1.8004 | 6.4100e-003 | 0.3817 | 0.0125 | 0.3942 | 0.1033 | 0.0119 | 0.1152 | | 655.1094 | 655.1094 | 0.0170 | | 655.5349 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |
| Total | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.4 Phase 2 Building Construction - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0618 | 1.7764 | 0.6295 | 3.7300e-003 | 0.0942 | 0.0103 | 0.1045 | 0.0271 | 9.8400e-003 | 0.0369 | | 388.8183 | 388.8183 | 8.3900e-003 | | 389.0280 |
| Worker | 0.1933 | 0.1168 | 1.1709 | 2.6800e-003 | 0.2875 | 2.1800e-003 | 0.2897 | 0.0763 | 2.0100e-003 | 0.0783 | | 266.2910 | 266.2910 | 8.6400e-003 | | 266.5069 |
| Total | 0.2550 | 1.8932 | 1.8004 | 6.4100e-003 | 0.3817 | 0.0125 | 0.3942 | 0.1033 | 0.0119 | 0.1152 | | 655.1094 | 655.1094 | 0.0170 | | 655.5349 |

3.5 Phase 2 Architectural Coating - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 41.4783 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2422 | 1.6838 | 1.8314 | 2.9700e-003 | | 0.1109 | 0.1109 | | 0.1109 | 0.1109 | | 281.4481 | 281.4481 | 0.0218 | | 281.9928 |
| Total | 41.7205 | 1.6838 | 1.8314 | 2.9700e-003 | | 0.1109 | 0.1109 | | 0.1109 | 0.1109 | | 281.4481 | 281.4481 | 0.0218 | | 281.9928 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.5 Phase 2 Architectural Coating - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0387 | 0.0234 | 0.2342 | 5.4000e-004 | 0.0575 | 4.4000e-004 | 0.0579 | 0.0153 | 4.0000e-004 | 0.0157 | | 53.2582 | 53.2582 | 1.7300e-003 | | 53.3014 |
| Total | 0.0387 | 0.0234 | 0.2342 | 5.4000e-004 | 0.0575 | 4.4000e-004 | 0.0579 | 0.0153 | 4.0000e-004 | 0.0157 | | 53.2582 | 53.2582 | 1.7300e-003 | | 53.3014 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 41.4783 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0594 | 1.3570 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0218 | | 281.9928 |
| Total | 41.5377 | 1.3570 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0218 | | 281.9928 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.5 Phase 2 Architectural Coating - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0387 | 0.0234 | 0.2342 | 5.4000e-004 | 0.0575 | 4.4000e-004 | 0.0579 | 0.0153 | 4.0000e-004 | 0.0157 | | 53.2582 | 53.2582 | 1.7300e-003 | | 53.3014 |
| Total | 0.0387 | 0.0234 | 0.2342 | 5.4000e-004 | 0.0575 | 4.4000e-004 | 0.0579 | 0.0153 | 4.0000e-004 | 0.0157 | | 53.2582 | 53.2582 | 1.7300e-003 | | 53.3014 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

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 Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.512962 | 0.041542 | 0.225677 | 0.140684 | 0.035619 | 0.007151 | 0.016044 | 0.009270 | 0.001580 | 0.001207 | 0.005638 | 0.000826 | 0.001801 |

5.0 Energy Detail

Historical Energy Use: N

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 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 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 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 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |
| Unmitigated | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |
| Total | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |
| Total | 5.7000e-004 | 6.0000e-005 | 6.0600e-003 | 0.0000 | | 2.0000e-005 | 2.0000e-005 | | 2.0000e-005 | 2.0000e-005 | | 0.0129 | 0.0129 | 3.0000e-005 | | 0.0138 |

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| 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

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3390.0003 Phase 3 Construction Tier 3/4
El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|----------|-------------|--------------------|------------|
| General Light Industry | 50.00 | 1000sqft | 9.63 | 50,000.00 | 0 |
| Parking Lot | 61.00 | Space | 0.55 | 24,400.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2021 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - General light industry encompasses the new recycling processing canopy structure

Construction Phase - Based on 180327 El Dorado Precon Phased Schedule

Off-road Equipment -

Trips and VMT - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

Demolition - Demolition consists of total portion of existing buildings to be demolished (main building-transfer station, HHW area, canopies, gate house)

Grading - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

Architectural Coating - Based on Rule 215- all flat, nonflat, and nonflat-high gloss coatings shall be no more than 150 g/L low VOC paint

Vehicle Trips - Construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Construction Off-road Equipment Mitigation - Tier 3 for all construction equipment (except for rubber tired dozers and scrapers). All rubber tired dozers and scrapers shall be Tier 4 Final.

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 150.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 150.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 150.00 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |

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| | | | |
|-------------------------|----------------------------|-----------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |

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| tblConstEquipMitigation | Tier | No Change | Tier 3 |
|-------------------------|------------------------------|---------------|----------|
| tblConstructionPhase | NumDays | 300.00 | 200.00 |
| tblConstructionPhase | NumDays | 30.00 | 40.00 |
| tblConsumerProducts | ROG_EF | 2.14E-05 | 0 |
| tblConsumerProducts | ROG_EF_Degreaser | 3.542E-07 | 1E-10 |
| tblConsumerProducts | ROG_EF_PesticidesFertilizers | 5.152E-08 | 1E-10 |
| tblEnergyUse | LightingElect | 1.81 | 0.00 |
| tblEnergyUse | LightingElect | 0.35 | 0.00 |
| tblEnergyUse | NT24E | 1.85 | 0.00 |
| tblEnergyUse | NT24NG | 0.31 | 0.00 |
| tblEnergyUse | T24E | 0.62 | 0.00 |
| tblEnergyUse | T24NG | 3.20 | 0.00 |
| tblGrading | AcresOfGrading | 100.00 | 10.18 |
| tblGrading | MaterialExported | 0.00 | 7,000.00 |
| tblGrading | MaterialImported | 0.00 | 7,000.00 |
| tblLandUse | LotAcreage | 1.15 | 9.63 |
| tblRoadDust | RoadPercentPave | 100 | 0 |
| tblSolidWaste | SolidWasteGenerationRate | 62.00 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 91.00 |
| tblTripsAndVMT | HaulingTripNumber | 875.00 | 700.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblWater | IndoorWaterUseRate | 11,562,500.00 | 0.00 |

2.0 Emissions Summary

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

2.1 Overall Construction

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2020 | 0.3175 | 3.4257 | 2.4286 | 5.4900e-003 | 0.2052 | 0.1497 | 0.3549 | 0.0857 | 0.1397 | 0.2255 | 0.0000 | 489.7617 | 489.7617 | 0.0908 | 0.0000 | 492.0328 |
| 2021 | 0.4162 | 0.5704 | 0.5752 | 1.0000e-003 | 8.9000e-003 | 0.0294 | 0.0383 | 2.4100e-003 | 0.0276 | 0.0300 | 0.0000 | 87.7013 | 87.7013 | 0.0195 | 0.0000 | 88.1896 |
| Maximum | 0.4162 | 3.4257 | 2.4286 | 5.4900e-003 | 0.2052 | 0.1497 | 0.3549 | 0.0857 | 0.1397 | 0.2255 | 0.0000 | 489.7617 | 489.7617 | 0.0908 | 0.0000 | 492.0328 |

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 | 0.1114 | 2.0884 | 2.5549 | 5.4900e-003 | 0.1150 | 0.0922 | 0.2072 | 0.0430 | 0.0920 | 0.1350 | 0.0000 | 489.7613 | 489.7613 | 0.0908 | 0.0000 | 492.0324 |
| 2021 | 0.3800 | 0.4803 | 0.6310 | 1.0000e-003 | 8.9000e-003 | 0.0275 | 0.0364 | 2.4100e-003 | 0.0275 | 0.0299 | 0.0000 | 87.7012 | 87.7012 | 0.0195 | 0.0000 | 88.1895 |
| Maximum | 0.3800 | 2.0884 | 2.5549 | 5.4900e-003 | 0.1150 | 0.0922 | 0.2072 | 0.0430 | 0.0920 | 0.1350 | 0.0000 | 489.7613 | 489.7613 | 0.0908 | 0.0000 | 492.0324 |

| | ROG | NOx | CO | SO2 | 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 | 33.02 | 35.72 | -6.06 | 0.00 | 42.14 | 33.18 | 38.06 | 48.53 | 28.55 | 35.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1 | 3-10-2020 | 6-9-2020 | 1.9771 | 0.9313 |
| 2 | 6-10-2020 | 9-9-2020 | 0.7589 | 0.5484 |
| 3 | 9-10-2020 | 12-9-2020 | 0.7521 | 0.5439 |
| 4 | 12-10-2020 | 3-9-2021 | 1.1024 | 0.9367 |
| 5 | 3-10-2021 | 6-9-2021 | 0.0667 | 0.0560 |
| | | Highest | 1.9771 | 0.9367 |

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 | 1.0000e-004 | 1.0000e-005 | 1.0200e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.9800e-003 | 1.9800e-003 | 1.0000e-005 | 0.0000 | 2.1200e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 1.0000e-004 | 1.0000e-005 | 1.0200e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.9800e-003 | 1.9800e-003 | 1.0000e-005 | 0.0000 | 2.1200e-003 |

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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 | 1.0000e-004 | 1.0000e-005 | 1.0200e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.9800e-003 | 1.9800e-003 | 1.0000e-005 | 0.0000 | 2.1200e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 1.0000e-004 | 1.0000e-005 | 1.0200e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.9800e-003 | 1.9800e-003 | 1.0000e-005 | 0.0000 | 2.1200e-003 |

| | ROG | NOx | CO | SO2 | 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 | Phase 3 Demolition | Demolition | 3/10/2020 | 4/6/2020 | 5 | 20 | |
| 2 | Phase 3 Lime Remediation | Grading | 4/6/2020 | 5/29/2020 | 5 | 40 | |
| 3 | Phase 3 Building Construction | Building Construction | 5/29/2020 | 3/4/2021 | 5 | 200 | |
| 4 | Architectural Coating | Architectural Coating | 2/5/2021 | 3/4/2021 | 5 | 20 | |
| 5 | Paving | Paving | 2/23/2021 | 3/22/2021 | 5 | 20 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 1,464 (Architectural Coating – sqft)

OffRoad Equipment

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| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Phase 3 Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Phase 3 Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Phase 3 Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Phase 3 Lime Remediation | Excavators | 2 | 8.00 | 158 | 0.38 |
| Phase 3 Lime Remediation | Graders | 1 | 8.00 | 187 | 0.41 |
| Phase 3 Lime Remediation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Phase 3 Lime Remediation | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Phase 3 Lime Remediation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase 3 Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Phase 3 Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase 3 Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase 3 Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase 3 Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |

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 |
|-------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Phase 3 Demolition | 6 | 15.00 | 0.00 | 191.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 3 Lime Remediation | 8 | 20.00 | 0.00 | 700.00 | 10.80 | 7.30 | 91.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 3 Building Construction | 9 | 31.00 | 12.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 6.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Phase 3 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 | | | | | 0.0210 | 0.0000 | 0.0210 | 3.1800e-003 | 0.0000 | 3.1800e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0331 | 0.3320 | 0.2175 | 3.9000e-004 | | 0.0166 | 0.0166 | | 0.0154 | 0.0154 | 0.0000 | 33.9986 | 33.9986 | 9.6000e-003 | 0.0000 | 34.2386 |
| Total | 0.0331 | 0.3320 | 0.2175 | 3.9000e-004 | 0.0210 | 0.0166 | 0.0376 | 3.1800e-003 | 0.0154 | 0.0186 | 0.0000 | 33.9986 | 33.9986 | 9.6000e-003 | 0.0000 | 34.2386 |

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3.2 Phase 3 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 | 8.3000e-004 | 0.0326 | 9.2700e-003 | 8.0000e-005 | 1.5900e-003 | 1.3000e-004 | 1.7200e-003 | 4.3000e-004 | 1.2000e-004 | 5.6000e-004 | 0.0000 | 7.4082 | 7.4082 | 9.0000e-005 | 0.0000 | 7.4106 |
| 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 | 7.5000e-004 | 4.6000e-004 | 4.9500e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0573 | 1.0573 | 3.0000e-005 | 0.0000 | 1.0582 |
| Total | 1.5800e-003 | 0.0331 | 0.0142 | 9.0000e-005 | 2.7700e-003 | 1.4000e-004 | 2.9100e-003 | 7.4000e-004 | 1.3000e-004 | 8.8000e-004 | 0.0000 | 8.4655 | 8.4655 | 1.2000e-004 | 0.0000 | 8.4688 |

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 | | | | | 8.2000e-003 | 0.0000 | 8.2000e-003 | 1.2400e-003 | 0.0000 | 1.2400e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 7.1500e-003 | 0.1113 | 0.2328 | 3.9000e-004 | | 5.8400e-003 | 5.8400e-003 | | 5.8400e-003 | 5.8400e-003 | 0.0000 | 33.9986 | 33.9986 | 9.6000e-003 | 0.0000 | 34.2385 |
| Total | 7.1500e-003 | 0.1113 | 0.2328 | 3.9000e-004 | 8.2000e-003 | 5.8400e-003 | 0.0140 | 1.2400e-003 | 5.8400e-003 | 7.0800e-003 | 0.0000 | 33.9986 | 33.9986 | 9.6000e-003 | 0.0000 | 34.2385 |

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3.2 Phase 3 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 | 8.3000e-004 | 0.0326 | 9.2700e-003 | 8.0000e-005 | 1.5900e-003 | 1.3000e-004 | 1.7200e-003 | 4.3000e-004 | 1.2000e-004 | 5.6000e-004 | 0.0000 | 7.4082 | 7.4082 | 9.0000e-005 | 0.0000 | 7.4106 |
| 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 | 7.5000e-004 | 4.6000e-004 | 4.9500e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0573 | 1.0573 | 3.0000e-005 | 0.0000 | 1.0582 |
| Total | 1.5800e-003 | 0.0331 | 0.0142 | 9.0000e-005 | 2.7700e-003 | 1.4000e-004 | 2.9100e-003 | 7.4000e-004 | 1.3000e-004 | 8.8000e-004 | 0.0000 | 8.4655 | 8.4655 | 1.2000e-004 | 0.0000 | 8.4688 |

3.3 Phase 3 Lime Remediation - 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 | | | | | 0.1269 | 0.0000 | 0.1269 | 0.0669 | 0.0000 | 0.0669 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0890 | 1.0040 | 0.6392 | 1.2400e-003 | | 0.0435 | 0.0435 | | 0.0400 | 0.0400 | 0.0000 | 108.9686 | 108.9686 | 0.0352 | 0.0000 | 109.8497 |
| Total | 0.0890 | 1.0040 | 0.6392 | 1.2400e-003 | 0.1269 | 0.0435 | 0.1704 | 0.0669 | 0.0400 | 0.1069 | 0.0000 | 108.9686 | 108.9686 | 0.0352 | 0.0000 | 109.8497 |

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3.3 Phase 3 Lime Remediation - 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 | 0.0116 | 0.4430 | 0.1198 | 1.2200e-003 | 0.0264 | 2.0600e-003 | 0.0285 | 7.2400e-003 | 1.9800e-003 | 9.2200e-003 | 0.0000 | 115.4006 | 115.4006 | 9.7000e-004 | 0.0000 | 115.4247 |
| 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 | 1.9900e-003 | 1.2300e-003 | 0.0132 | 3.0000e-005 | 3.1500e-003 | 2.0000e-005 | 3.1700e-003 | 8.4000e-004 | 2.0000e-005 | 8.6000e-004 | 0.0000 | 2.8196 | 2.8196 | 9.0000e-005 | 0.0000 | 2.8218 |
| Total | 0.0135 | 0.4443 | 0.1330 | 1.2500e-003 | 0.0296 | 2.0800e-003 | 0.0317 | 8.0800e-003 | 2.0000e-003 | 0.0101 | 0.0000 | 118.2201 | 118.2201 | 1.0600e-003 | 0.0000 | 118.2465 |

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 | | | | | 0.0495 | 0.0000 | 0.0495 | 0.0261 | 0.0000 | 0.0261 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0209 | 0.2718 | 0.6708 | 1.2400e-003 | | 0.0133 | 0.0133 | | 0.0133 | 0.0133 | 0.0000 | 108.9685 | 108.9685 | 0.0352 | 0.0000 | 109.8495 |
| Total | 0.0209 | 0.2718 | 0.6708 | 1.2400e-003 | 0.0495 | 0.0133 | 0.0627 | 0.0261 | 0.0133 | 0.0394 | 0.0000 | 108.9685 | 108.9685 | 0.0352 | 0.0000 | 109.8495 |

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3.3 Phase 3 Lime Remediation - 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 | 0.0116 | 0.4430 | 0.1198 | 1.2200e-003 | 0.0264 | 2.0600e-003 | 0.0285 | 7.2400e-003 | 1.9800e-003 | 9.2200e-003 | 0.0000 | 115.4006 | 115.4006 | 9.7000e-004 | 0.0000 | 115.4247 |
| 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 | 1.9900e-003 | 1.2300e-003 | 0.0132 | 3.0000e-005 | 3.1500e-003 | 2.0000e-005 | 3.1700e-003 | 8.4000e-004 | 2.0000e-005 | 8.6000e-004 | 0.0000 | 2.8196 | 2.8196 | 9.0000e-005 | 0.0000 | 2.8218 |
| Total | 0.0135 | 0.4443 | 0.1330 | 1.2500e-003 | 0.0296 | 2.0800e-003 | 0.0317 | 8.0800e-003 | 2.0000e-003 | 0.0101 | 0.0000 | 118.2201 | 118.2201 | 1.0600e-003 | 0.0000 | 118.2465 |

3.4 Phase 3 Building Construction - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1643 | 1.4869 | 1.3058 | 2.0900e-003 | | 0.0866 | 0.0866 | | 0.0814 | 0.0814 | 0.0000 | 179.4977 | 179.4977 | 0.0438 | 0.0000 | 180.5925 |
| Total | 0.1643 | 1.4869 | 1.3058 | 2.0900e-003 | | 0.0866 | 0.0866 | | 0.0814 | 0.0814 | 0.0000 | 179.4977 | 179.4977 | 0.0438 | 0.0000 | 180.5925 |

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3.4 Phase 3 Building Construction - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 3.9800e-003 | 0.1181 | 0.0396 | 2.5000e-004 | 6.0400e-003 | 6.8000e-004 | 6.7200e-003 | 1.7500e-003 | 6.5000e-004 | 2.3900e-003 | 0.0000 | 23.6762 | 23.6762 | 4.9000e-004 | 0.0000 | 23.6884 |
| Worker | 0.0120 | 7.4100e-003 | 0.0793 | 1.9000e-004 | 0.0189 | 1.5000e-004 | 0.0191 | 5.0300e-003 | 1.4000e-004 | 5.1700e-003 | 0.0000 | 16.9349 | 16.9349 | 5.4000e-004 | 0.0000 | 16.9484 |
| Total | 0.0159 | 0.1255 | 0.1189 | 4.4000e-004 | 0.0250 | 8.3000e-004 | 0.0258 | 6.7800e-003 | 7.9000e-004 | 7.5600e-003 | 0.0000 | 40.6111 | 40.6111 | 1.0300e-003 | 0.0000 | 40.6368 |

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 | 0.0522 | 1.1025 | 1.3852 | 2.0900e-003 | | 0.0700 | 0.0700 | | 0.0700 | 0.0700 | 0.0000 | 179.4975 | 179.4975 | 0.0438 | 0.0000 | 180.5923 |
| Total | 0.0522 | 1.1025 | 1.3852 | 2.0900e-003 | | 0.0700 | 0.0700 | | 0.0700 | 0.0700 | 0.0000 | 179.4975 | 179.4975 | 0.0438 | 0.0000 | 180.5923 |

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3.4 Phase 3 Building Construction - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 3.9800e-003 | 0.1181 | 0.0396 | 2.5000e-004 | 6.0400e-003 | 6.8000e-004 | 6.7200e-003 | 1.7500e-003 | 6.5000e-004 | 2.3900e-003 | 0.0000 | 23.6762 | 23.6762 | 4.9000e-004 | 0.0000 | 23.6884 |
| Worker | 0.0120 | 7.4100e-003 | 0.0793 | 1.9000e-004 | 0.0189 | 1.5000e-004 | 0.0191 | 5.0300e-003 | 1.4000e-004 | 5.1700e-003 | 0.0000 | 16.9349 | 16.9349 | 5.4000e-004 | 0.0000 | 16.9484 |
| Total | 0.0159 | 0.1255 | 0.1189 | 4.4000e-004 | 0.0250 | 8.3000e-004 | 0.0258 | 6.7800e-003 | 7.9000e-004 | 7.5600e-003 | 0.0000 | 40.6111 | 40.6111 | 1.0300e-003 | 0.0000 | 40.6368 |

3.4 Phase 3 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 | 0.0428 | 0.3922 | 0.3729 | 6.1000e-004 | | 0.0216 | 0.0216 | | 0.0203 | 0.0203 | 0.0000 | 52.1184 | 52.1184 | 0.0126 | 0.0000 | 52.4327 |
| Total | 0.0428 | 0.3922 | 0.3729 | 6.1000e-004 | | 0.0216 | 0.0216 | | 0.0203 | 0.0203 | 0.0000 | 52.1184 | 52.1184 | 0.0126 | 0.0000 | 52.4327 |

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3.4 Phase 3 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 | 9.4000e-004 | 0.0312 | 0.0103 | 7.0000e-005 | 1.7500e-003 | 9.0000e-005 | 1.8500e-003 | 5.1000e-004 | 9.0000e-005 | 6.0000e-004 | 0.0000 | 6.8264 | 6.8264 | 1.2000e-004 | 0.0000 | 6.8295 |
| Worker | 3.2700e-003 | 1.9300e-003 | 0.0210 | 5.0000e-005 | 5.4900e-003 | 4.0000e-005 | 5.5300e-003 | 1.4600e-003 | 4.0000e-005 | 1.5000e-003 | 0.0000 | 4.7498 | 4.7498 | 1.4000e-004 | 0.0000 | 4.7533 |
| Total | 4.2100e-003 | 0.0331 | 0.0312 | 1.2000e-004 | 7.2400e-003 | 1.3000e-004 | 7.3800e-003 | 1.9700e-003 | 1.3000e-004 | 2.1000e-003 | 0.0000 | 11.5762 | 11.5762 | 2.6000e-004 | 0.0000 | 11.5827 |

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 | 0.0152 | 0.3201 | 0.4022 | 6.1000e-004 | | 0.0203 | 0.0203 | | 0.0203 | 0.0203 | 0.0000 | 52.1183 | 52.1183 | 0.0126 | 0.0000 | 52.4327 |
| Total | 0.0152 | 0.3201 | 0.4022 | 6.1000e-004 | | 0.0203 | 0.0203 | | 0.0203 | 0.0203 | 0.0000 | 52.1183 | 52.1183 | 0.0126 | 0.0000 | 52.4327 |

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3.4 Phase 3 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 | 9.4000e-004 | 0.0312 | 0.0103 | 7.0000e-005 | 1.7500e-003 | 9.0000e-005 | 1.8500e-003 | 5.1000e-004 | 9.0000e-005 | 6.0000e-004 | 0.0000 | 6.8264 | 6.8264 | 1.2000e-004 | 0.0000 | 6.8295 |
| Worker | 3.2700e-003 | 1.9300e-003 | 0.0210 | 5.0000e-005 | 5.4900e-003 | 4.0000e-005 | 5.5300e-003 | 1.4600e-003 | 4.0000e-005 | 1.5000e-003 | 0.0000 | 4.7498 | 4.7498 | 1.4000e-004 | 0.0000 | 4.7533 |
| Total | 4.2100e-003 | 0.0331 | 0.0312 | 1.2000e-004 | 7.2400e-003 | 1.3000e-004 | 7.3800e-003 | 1.9700e-003 | 1.3000e-004 | 2.1000e-003 | 0.0000 | 11.5762 | 11.5762 | 2.6000e-004 | 0.0000 | 11.5827 |

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.3527 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.1900e-003 | 0.0153 | 0.0182 | 3.0000e-005 | | 9.4000e-004 | 9.4000e-004 | | 9.4000e-004 | 9.4000e-004 | 0.0000 | 2.5533 | 2.5533 | 1.8000e-004 | 0.0000 | 2.5576 |
| Total | 0.3549 | 0.0153 | 0.0182 | 3.0000e-005 | | 9.4000e-004 | 9.4000e-004 | | 9.4000e-004 | 9.4000e-004 | 0.0000 | 2.5533 | 2.5533 | 1.8000e-004 | 0.0000 | 2.5576 |

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3.5 Architectural Coating - 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 | 2.8000e-004 | 1.7000e-004 | 1.8000e-003 | 0.0000 | 4.7000e-004 | 0.0000 | 4.8000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.4086 | 0.4086 | 1.0000e-005 | 0.0000 | 0.4089 |
| Total | 2.8000e-004 | 1.7000e-004 | 1.8000e-003 | 0.0000 | 4.7000e-004 | 0.0000 | 4.8000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.4086 | 0.4086 | 1.0000e-005 | 0.0000 | 0.4089 |

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 | 0.3527 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 5.9000e-004 | 0.0136 | 0.0183 | 3.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | 0.0000 | 2.5533 | 2.5533 | 1.8000e-004 | 0.0000 | 2.5576 |
| Total | 0.3533 | 0.0136 | 0.0183 | 3.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | 0.0000 | 2.5533 | 2.5533 | 1.8000e-004 | 0.0000 | 2.5576 |

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3.5 Architectural Coating - 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 | 2.8000e-004 | 1.7000e-004 | 1.8000e-003 | 0.0000 | 4.7000e-004 | 0.0000 | 4.8000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.4086 | 0.4086 | 1.0000e-005 | 0.0000 | 0.4089 |
| Total | 2.8000e-004 | 1.7000e-004 | 1.8000e-003 | 0.0000 | 4.7000e-004 | 0.0000 | 4.8000e-004 | 1.3000e-004 | 0.0000 | 1.3000e-004 | 0.0000 | 0.4086 | 0.4086 | 1.0000e-005 | 0.0000 | 0.4089 |

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 | 0.0126 | 0.1292 | 0.1465 | 2.3000e-004 | | 6.7800e-003 | 6.7800e-003 | | 6.2400e-003 | 6.2400e-003 | 0.0000 | 20.0235 | 20.0235 | 6.4800e-003 | 0.0000 | 20.1854 |
| Paving | 7.2000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0133 | 0.1292 | 0.1465 | 2.3000e-004 | | 6.7800e-003 | 6.7800e-003 | | 6.2400e-003 | 6.2400e-003 | 0.0000 | 20.0235 | 20.0235 | 6.4800e-003 | 0.0000 | 20.1854 |

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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 | 7.0000e-004 | 4.2000e-004 | 4.5100e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0215 | 1.0215 | 3.0000e-005 | 0.0000 | 1.0222 |
| Total | 7.0000e-004 | 4.2000e-004 | 4.5100e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0215 | 1.0215 | 3.0000e-005 | 0.0000 | 1.0222 |

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 | 5.6100e-003 | 0.1130 | 0.1730 | 2.3000e-004 | | 6.0900e-003 | 6.0900e-003 | | 6.0900e-003 | 6.0900e-003 | 0.0000 | 20.0235 | 20.0235 | 6.4800e-003 | 0.0000 | 20.1854 |
| Paving | 7.2000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 6.3300e-003 | 0.1130 | 0.1730 | 2.3000e-004 | | 6.0900e-003 | 6.0900e-003 | | 6.0900e-003 | 6.0900e-003 | 0.0000 | 20.0235 | 20.0235 | 6.4800e-003 | 0.0000 | 20.1854 |

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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 | 7.0000e-004 | 4.2000e-004 | 4.5100e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0215 | 1.0215 | 3.0000e-005 | 0.0000 | 1.0222 |
| Total | 7.0000e-004 | 4.2000e-004 | 4.5100e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0215 | 1.0215 | 3.0000e-005 | 0.0000 | 1.0222 |

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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

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 Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.521731 | 0.039973 | 0.225427 | 0.136952 | 0.032686 | 0.006663 | 0.016461 | 0.009421 | 0.001593 | 0.001171 | 0.005476 | 0.000813 | 0.001634 |
| Parking Lot | 0.521731 | 0.039973 | 0.225427 | 0.136952 | 0.032686 | 0.006663 | 0.016461 | 0.009421 | 0.001593 | 0.001171 | 0.005476 | 0.000813 | 0.001634 |

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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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 Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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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 Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-----------------|---------------|---------------|---------------|---------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 | 1.0000e-004 | 1.0000e-005 | 1.0200e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.9800e-003 | 1.9800e-003 | 1.0000e-005 | 0.0000 | 2.1200e-003 |
| Unmitigated | 1.0000e-004 | 1.0000e-005 | 1.0200e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.9800e-003 | 1.9800e-003 | 1.0000e-005 | 0.0000 | 2.1200e-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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.0000e-004 | 1.0000e-005 | 1.0200e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.9800e-003 | 1.9800e-003 | 1.0000e-005 | 0.0000 | 2.1200e-003 |
| Total | 1.0000e-004 | 1.0000e-005 | 1.0200e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.9800e-003 | 1.9800e-003 | 1.0000e-005 | 0.0000 | 2.1200e-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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.0000e-004 | 1.0000e-005 | 1.0200e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.9800e-003 | 1.9800e-003 | 1.0000e-005 | 0.0000 | 2.1200e-003 |
| Total | 1.0000e-004 | 1.0000e-005 | 1.0200e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1.9800e-003 | 1.9800e-003 | 1.0000e-005 | 0.0000 | 2.1200e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

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| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|--------|
| Category | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------------------|---------------|---------------|---------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| General Light Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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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 Light Industry | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3390.0003 Phase 3 Construction Tier 3/4
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|----------|-------------|--------------------|------------|
| General Light Industry | 50.00 | 1000sqft | 9.63 | 50,000.00 | 0 |
| Parking Lot | 61.00 | Space | 0.55 | 24,400.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2021 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

Project Characteristics -

Land Use - General light industry encompasses the new recycling processing canopy structure

Construction Phase - Based on 180327 El Dorado Precon Phased Schedule

Off-road Equipment -

Trips and VMT - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

Demolition - Demolition consists of total portion of existing buildings to be demolished (main building-transfer station, HHW area, canopies, gate house)

Grading - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

Architectural Coating - Based on Rule 215- all flat, nonflat, and nonflat-high gloss coatings shall be no more than 150 g/L low VOC paint

Vehicle Trips - Construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Construction Off-road Equipment Mitigation - Tier 3 for all construction equipment (except for rubber tired dozers and scrapers). All rubber tired dozers and scrapers shall be Tier 4 Final.

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 150.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 150.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 150.00 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |

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| | | | |
|-------------------------|----------------------------|-----------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

| tblConstEquipMitigation | Tier | No Change | Tier 3 |
|-------------------------|------------------------------|---------------|----------|
| tblConstructionPhase | NumDays | 300.00 | 200.00 |
| tblConstructionPhase | NumDays | 30.00 | 40.00 |
| tblConsumerProducts | ROG_EF | 2.14E-05 | 0 |
| tblConsumerProducts | ROG_EF_Degreaser | 3.542E-07 | 1E-10 |
| tblConsumerProducts | ROG_EF_PesticidesFertilizers | 5.152E-08 | 1E-10 |
| tblEnergyUse | LightingElect | 1.81 | 0.00 |
| tblEnergyUse | LightingElect | 0.35 | 0.00 |
| tblEnergyUse | NT24E | 1.85 | 0.00 |
| tblEnergyUse | NT24NG | 0.31 | 0.00 |
| tblEnergyUse | T24E | 0.62 | 0.00 |
| tblEnergyUse | T24NG | 3.20 | 0.00 |
| tblGrading | AcresOfGrading | 100.00 | 10.18 |
| tblGrading | MaterialExported | 0.00 | 7,000.00 |
| tblGrading | MaterialImported | 0.00 | 7,000.00 |
| tblLandUse | LotAcreage | 1.15 | 9.63 |
| tblRoadDust | RoadPercentPave | 100 | 0 |
| tblSolidWaste | SolidWasteGenerationRate | 62.00 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 91.00 |
| tblTripsAndVMT | HaulingTripNumber | 875.00 | 700.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblWater | IndoorWaterUseRate | 11,562,500.00 | 0.00 |

2.0 Emissions Summary

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|-----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2020 | 8.6122 | 107.9212 | 61.9425 | 0.1725 | 10.2699 | 3.9507 | 14.2206 | 4.1611 | 3.6547 | 7.8159 | 0.0000 | 17,235.9749 | 17,235.9749 | 3.0734 | 0.0000 | 17,312.8103 |
| 2021 | 39.0252 | 33.3621 | 35.1724 | 0.0602 | 0.5079 | 1.7377 | 2.2456 | 0.1365 | 1.6257 | 1.7622 | 0.0000 | 5,801.8964 | 5,801.8964 | 1.3673 | 0.0000 | 5,836.0787 |
| Maximum | 39.0252 | 107.9212 | 61.9425 | 0.1725 | 10.2699 | 3.9507 | 14.2206 | 4.1611 | 3.6547 | 7.8159 | 0.0000 | 17,235.9749 | 17,235.9749 | 3.0734 | 0.0000 | 17,312.8103 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2020 | 2.6242 | 50.7077 | 65.0509 | 0.1725 | 5.1180 | 1.6813 | 6.4829 | 1.9252 | 1.6763 | 3.4904 | 0.0000 | 17,235.9749 | 17,235.9749 | 3.0734 | 0.0000 | 17,312.8103 |
| 2021 | 36.9441 | 28.3624 | 39.1283 | 0.0602 | 0.5079 | 1.6152 | 2.1231 | 0.1365 | 1.6148 | 1.7513 | 0.0000 | 5,801.8964 | 5,801.8964 | 1.3673 | 0.0000 | 5,836.0787 |
| Maximum | 36.9441 | 50.7077 | 65.0509 | 0.1725 | 5.1180 | 1.6813 | 6.4829 | 1.9252 | 1.6763 | 3.4904 | 0.0000 | 17,235.9749 | 17,235.9749 | 3.0734 | 0.0000 | 17,312.8103 |

| | ROG | NOx | CO | SO2 | 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 | 16.94 | 44.03 | -7.27 | 0.00 | 47.80 | 42.05 | 47.73 | 52.03 | 37.67 | 45.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|---------------|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.0700e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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 | 1.0700e-003 | 1.0000e-004 | 0.0114 | 0.0000 | 0.0000 | 4.0000e-005 | 4.0000e-005 | 0.0000 | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | 0.0000 | 0.0259 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|---------------|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.0700e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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 | 1.0700e-003 | 1.0000e-004 | 0.0114 | 0.0000 | 0.0000 | 4.0000e-005 | 4.0000e-005 | 0.0000 | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | 0.0000 | 0.0259 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-------------------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Phase 3 Demolition | Demolition | 3/10/2020 | 4/6/2020 | 5 | 20 | |
| 2 | Phase 3 Lime Remediation | Grading | 4/6/2020 | 5/29/2020 | 5 | 40 | |
| 3 | Phase 3 Building Construction | Building Construction | 5/29/2020 | 3/4/2021 | 5 | 200 | |
| 4 | Architectural Coating | Architectural Coating | 2/5/2021 | 3/4/2021 | 5 | 20 | |
| 5 | Paving | Paving | 2/23/2021 | 3/22/2021 | 5 | 20 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 1,464 (Architectural Coating – sqft)

OffRoad Equipment

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Phase 3 Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Phase 3 Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Phase 3 Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Phase 3 Lime Remediation | Excavators | 2 | 8.00 | 158 | 0.38 |
| Phase 3 Lime Remediation | Graders | 1 | 8.00 | 187 | 0.41 |
| Phase 3 Lime Remediation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Phase 3 Lime Remediation | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Phase 3 Lime Remediation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase 3 Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Phase 3 Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase 3 Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase 3 Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase 3 Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |

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 |
|-------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Phase 3 Demolition | 6 | 15.00 | 0.00 | 191.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 3 Lime Remediation | 8 | 20.00 | 0.00 | 700.00 | 10.80 | 7.30 | 91.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 3 Building Construction | 9 | 31.00 | 12.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 6.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Phase 3 Demolition - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.1020 | 0.0000 | 2.1020 | 0.3183 | 0.0000 | 0.3183 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.3121 | 33.2010 | 21.7532 | 0.0388 | | 1.6587 | 1.6587 | | 1.5419 | 1.5419 | | 3,747.7049 | 3,747.7049 | 1.0580 | | 3,774.1536 |
| Total | 3.3121 | 33.2010 | 21.7532 | 0.0388 | 2.1020 | 1.6587 | 3.7607 | 0.3183 | 1.5419 | 1.8601 | | 3,747.7049 | 3,747.7049 | 1.0580 | | 3,774.1536 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.2 Phase 3 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0826 | 3.1615 | 0.9085 | 7.8500e-003 | 0.1647 | 0.0129 | 0.1776 | 0.0450 | 0.0123 | 0.0573 | | 820.4195 | 820.4195 | 0.0102 | | 820.6744 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0813 | 0.0405 | 0.5369 | 1.2700e-003 | 0.1232 | 9.3000e-004 | 0.1242 | 0.0327 | 8.6000e-004 | 0.0336 | | 126.2778 | 126.2778 | 3.9800e-003 | | 126.3772 |
| Total | 0.1639 | 3.2020 | 1.4454 | 9.1200e-003 | 0.2879 | 0.0138 | 0.3017 | 0.0776 | 0.0132 | 0.0908 | | 946.6973 | 946.6973 | 0.0142 | | 947.0517 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.8198 | 0.0000 | 0.8198 | 0.1241 | 0.0000 | 0.1241 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7155 | 11.1337 | 23.2798 | 0.0388 | | 0.5839 | 0.5839 | | 0.5839 | 0.5839 | 0.0000 | 3,747.7049 | 3,747.7049 | 1.0580 | | 3,774.1536 |
| Total | 0.7155 | 11.1337 | 23.2798 | 0.0388 | 0.8198 | 0.5839 | 1.4037 | 0.1241 | 0.5839 | 0.7080 | 0.0000 | 3,747.7049 | 3,747.7049 | 1.0580 | | 3,774.1536 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.2 Phase 3 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0826 | 3.1615 | 0.9085 | 7.8500e-003 | 0.1647 | 0.0129 | 0.1776 | 0.0450 | 0.0123 | 0.0573 | | 820.4195 | 820.4195 | 0.0102 | | 820.6744 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0813 | 0.0405 | 0.5369 | 1.2700e-003 | 0.1232 | 9.3000e-004 | 0.1242 | 0.0327 | 8.6000e-004 | 0.0336 | | 126.2778 | 126.2778 | 3.9800e-003 | | 126.3772 |
| Total | 0.1639 | 3.2020 | 1.4454 | 9.1200e-003 | 0.2879 | 0.0138 | 0.3017 | 0.0776 | 0.0132 | 0.0908 | | 946.6973 | 946.6973 | 0.0142 | | 947.0517 |

3.3 Phase 3 Lime Remediation - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.3436 | 0.0000 | 6.3436 | 3.3472 | 0.0000 | 3.3472 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.4501 | 50.1975 | 31.9583 | 0.0620 | | 2.1739 | 2.1739 | | 2.0000 | 2.0000 | | 6,005.8653 | 6,005.8653 | 1.9424 | | 6,054.4257 |
| Total | 4.4501 | 50.1975 | 31.9583 | 0.0620 | 6.3436 | 2.1739 | 8.5175 | 3.3472 | 2.0000 | 5.3472 | | 6,005.8653 | 6,005.8653 | 1.9424 | | 6,054.4257 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.3 Phase 3 Lime Remediation - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.5777 | 21.2667 | 6.0697 | 0.0609 | 1.3720 | 0.1031 | 1.4751 | 0.3744 | 0.0986 | 0.4730 | | 6,367.337 1 | 6,367.337 1 | 0.0536 | | 6,368.676 3 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1084 | 0.0540 | 0.7159 | 1.6900e-003 | 0.1643 | 1.2500e-003 | 0.1655 | 0.0436 | 1.1500e-003 | 0.0447 | | 168.3704 | 168.3704 | 5.3000e-003 | | 168.5030 |
| Total | 0.6861 | 21.3207 | 6.7856 | 0.0626 | 1.5363 | 0.1043 | 1.6406 | 0.4180 | 0.0997 | 0.5177 | | 6,535.707 5 | 6,535.707 5 | 0.0589 | | 6,537.179 3 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.4740 | 0.0000 | 2.4740 | 1.3054 | 0.0000 | 1.3054 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.0457 | 13.5880 | 33.5400 | 0.0620 | | 0.6629 | 0.6629 | | 0.6629 | 0.6629 | 0.0000 | 6,005.865 3 | 6,005.865 3 | 1.9424 | | 6,054.425 7 |
| Total | 1.0457 | 13.5880 | 33.5400 | 0.0620 | 2.4740 | 0.6629 | 3.1369 | 1.3054 | 0.6629 | 1.9683 | 0.0000 | 6,005.865 3 | 6,005.865 3 | 1.9424 | | 6,054.425 7 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.3 Phase 3 Lime Remediation - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.5777 | 21.2667 | 6.0697 | 0.0609 | 1.3720 | 0.1031 | 1.4751 | 0.3744 | 0.0986 | 0.4730 | | 6,367.337 1 | 6,367.337 1 | 0.0536 | | 6,368.676 3 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1084 | 0.0540 | 0.7159 | 1.6900e-003 | 0.1643 | 1.2500e-003 | 0.1655 | 0.0436 | 1.1500e-003 | 0.0447 | | 168.3704 | 168.3704 | 5.3000e-003 | | 168.5030 |
| Total | 0.6861 | 21.3207 | 6.7856 | 0.0626 | 1.5363 | 0.1043 | 1.6406 | 0.4180 | 0.0997 | 0.5177 | | 6,535.707 5 | 6,535.707 5 | 0.0589 | | 6,537.179 3 |

3.4 Phase 3 Building Construction - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.1198 | 19.1860 | 16.8485 | 0.0269 | | 1.1171 | 1.1171 | | 1.0503 | 1.0503 | | 2,553.063 1 | 2,553.063 1 | 0.6229 | | 2,568.634 5 |
| Total | 2.1198 | 19.1860 | 16.8485 | 0.0269 | | 1.1171 | 1.1171 | | 1.0503 | 1.0503 | | 2,553.063 1 | 2,553.063 1 | 0.6229 | | 2,568.634 5 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.4 Phase 3 Building Construction - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0504 | 1.4893 | 0.4776 | 3.2500e-003 | 0.0807 | 8.6500e-003 | 0.0894 | 0.0232 | 8.2700e-003 | 0.0315 | | 339.2800 | 339.2800 | 6.6300e-003 | | 339.4457 |
| Worker | 0.1680 | 0.0837 | 1.1096 | 2.6200e-003 | 0.2547 | 1.9300e-003 | 0.2566 | 0.0676 | 1.7800e-003 | 0.0693 | | 260.9741 | 260.9741 | 8.2200e-003 | | 261.1796 |
| Total | 0.2184 | 1.5730 | 1.5872 | 5.8700e-003 | 0.3354 | 0.0106 | 0.3460 | 0.0908 | 0.0101 | 0.1008 | | 600.2541 | 600.2541 | 0.0149 | | 600.6253 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |
| Total | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.4 Phase 3 Building Construction - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0504 | 1.4893 | 0.4776 | 3.2500e-003 | 0.0807 | 8.6500e-003 | 0.0894 | 0.0232 | 8.2700e-003 | 0.0315 | | 339.2800 | 339.2800 | 6.6300e-003 | | 339.4457 |
| Worker | 0.1680 | 0.0837 | 1.1096 | 2.6200e-003 | 0.2547 | 1.9300e-003 | 0.2566 | 0.0676 | 1.7800e-003 | 0.0693 | | 260.9741 | 260.9741 | 8.2200e-003 | | 261.1796 |
| Total | 0.2184 | 1.5730 | 1.5872 | 5.8700e-003 | 0.3354 | 0.0106 | 0.3460 | 0.0908 | 0.0101 | 0.1008 | | 600.2541 | 600.2541 | 0.0149 | | 600.6253 |

3.4 Phase 3 Building Construction - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 | | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |
| Total | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 | | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.4 Phase 3 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0410 | 1.3578 | 0.4259 | 3.2300e-003 | 0.0807 | 4.1200e-003 | 0.0849 | 0.0232 | 3.9400e-003 | 0.0272 | | 336.9571 | 336.9571 | 5.7600e-003 | | 337.1011 |
| Worker | 0.1582 | 0.0753 | 1.0138 | 2.5300e-003 | 0.2547 | 1.8600e-003 | 0.2565 | 0.0676 | 1.7100e-003 | 0.0693 | | 252.1233 | 252.1233 | 7.3600e-003 | | 252.3073 |
| Total | 0.1992 | 1.4331 | 1.4397 | 5.7600e-003 | 0.3354 | 5.9800e-003 | 0.3414 | 0.0908 | 5.6500e-003 | 0.0964 | | 589.0804 | 589.0804 | 0.0131 | | 589.4084 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |
| Total | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.4 Phase 3 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0410 | 1.3578 | 0.4259 | 3.2300e-003 | 0.0807 | 4.1200e-003 | 0.0849 | 0.0232 | 3.9400e-003 | 0.0272 | | 336.9571 | 336.9571 | 5.7600e-003 | | 337.1011 |
| Worker | 0.1582 | 0.0753 | 1.0138 | 2.5300e-003 | 0.2547 | 1.8600e-003 | 0.2565 | 0.0676 | 1.7100e-003 | 0.0693 | | 252.1233 | 252.1233 | 7.3600e-003 | | 252.3073 |
| Total | 0.1992 | 1.4331 | 1.4397 | 5.7600e-003 | 0.3354 | 5.9800e-003 | 0.3414 | 0.0908 | 5.6500e-003 | 0.0964 | | 589.0804 | 589.0804 | 0.0131 | | 589.4084 |

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 35.2714 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| Total | 35.4903 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.5 Architectural Coating - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0306 | 0.0146 | 0.1962 | 4.9000e-004 | 0.0493 | 3.6000e-004 | 0.0497 | 0.0131 | 3.3000e-004 | 0.0134 | | 48.7981 | 48.7981 | 1.4300e-003 | | 48.8337 |
| Total | 0.0306 | 0.0146 | 0.1962 | 4.9000e-004 | 0.0493 | 3.6000e-004 | 0.0497 | 0.0131 | 3.3000e-004 | 0.0134 | | 48.7981 | 48.7981 | 1.4300e-003 | | 48.8337 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 35.2714 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0594 | 1.3570 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| Total | 35.3309 | 1.3570 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.5 Architectural Coating - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0306 | 0.0146 | 0.1962 | 4.9000e-004 | 0.0493 | 3.6000e-004 | 0.0497 | 0.0131 | 3.3000e-004 | 0.0134 | | 48.7981 | 48.7981 | 1.4300e-003 | | 48.8337 |
| Total | 0.0306 | 0.0146 | 0.1962 | 4.9000e-004 | 0.0493 | 3.6000e-004 | 0.0497 | 0.0131 | 3.3000e-004 | 0.0134 | | 48.7981 | 48.7981 | 1.4300e-003 | | 48.8337 |

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2556 | 12.9191 | 14.6532 | 0.0228 | | 0.6777 | 0.6777 | | 0.6235 | 0.6235 | | 2,207.2109 | 2,207.2109 | 0.7139 | | 2,225.0573 |
| Paving | 0.0721 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3276 | 12.9191 | 14.6532 | 0.0228 | | 0.6777 | 0.6777 | | 0.6235 | 0.6235 | | 2,207.2109 | 2,207.2109 | 0.7139 | | 2,225.0573 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0766 | 0.0364 | 0.4905 | 1.2300e-003 | 0.1232 | 9.0000e-004 | 0.1241 | 0.0327 | 8.3000e-004 | 0.0335 | | 121.9951 | 121.9951 | 3.5600e-003 | | 122.0842 |
| Total | 0.0766 | 0.0364 | 0.4905 | 1.2300e-003 | 0.1232 | 9.0000e-004 | 0.1241 | 0.0327 | 8.3000e-004 | 0.0335 | | 121.9951 | 121.9951 | 3.5600e-003 | | 122.0842 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.5609 | 11.2952 | 17.2957 | 0.0228 | | 0.6093 | 0.6093 | | 0.6093 | 0.6093 | 0.0000 | 2,207.2109 | 2,207.2109 | 0.7139 | | 2,225.0573 |
| Paving | 0.0721 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.6330 | 11.2952 | 17.2957 | 0.0228 | | 0.6093 | 0.6093 | | 0.6093 | 0.6093 | 0.0000 | 2,207.2109 | 2,207.2109 | 0.7139 | | 2,225.0573 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0766 | 0.0364 | 0.4905 | 1.2300e-003 | 0.1232 | 9.0000e-004 | 0.1241 | 0.0327 | 8.3000e-004 | 0.0335 | | 121.9951 | 121.9951 | 3.5600e-003 | | 122.0842 |
| Total | 0.0766 | 0.0364 | 0.4905 | 1.2300e-003 | 0.1232 | 9.0000e-004 | 0.1241 | 0.0327 | 8.3000e-004 | 0.0335 | | 121.9951 | 121.9951 | 3.5600e-003 | | 122.0842 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

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 Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.521731 | 0.039973 | 0.225427 | 0.136952 | 0.032686 | 0.006663 | 0.016461 | 0.009421 | 0.001593 | 0.001171 | 0.005476 | 0.000813 | 0.001634 |
| Parking Lot | 0.521731 | 0.039973 | 0.225427 | 0.136952 | 0.032686 | 0.006663 | 0.016461 | 0.009421 | 0.001593 | 0.001171 | 0.005476 | 0.000813 | 0.001634 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|-------------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.0700e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |
| Unmitigated | 1.0700e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.0600e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |
| Total | 1.0600e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.0600e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |
| Total | 1.0600e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3390.0003 Phase 3 Construction Tier 3/4
El Dorado-Mountain County County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|----------|-------------|--------------------|------------|
| General Light Industry | 50.00 | 1000sqft | 9.63 | 50,000.00 | 0 |
| Parking Lot | 61.00 | Space | 0.55 | 24,400.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2021 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

Project Characteristics -

Land Use - General light industry encompasses the new recycling processing canopy structure

Construction Phase - Based on 180327 El Dorado Precon Phased Schedule

Off-road Equipment -

Trips and VMT - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

Demolition - Demolition consists of total portion of existing buildings to be demolished (main building-transfer station, HHW area, canopies, gate house)

Grading - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

Architectural Coating - Based on Rule 215- all flat, nonflat, and nonflat-high gloss coatings shall be no more than 150 g/L low VOC paint

Vehicle Trips - Construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Construction Off-road Equipment Mitigation - Tier 3 for all construction equipment (except for rubber tired dozers and scrapers). All rubber tired dozers and scrapers shall be Tier 4 Final.

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 150.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 150.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 150.00 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

| | | | |
|-------------------------|----------------------------|-----------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |

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| tblConstEquipMitigation | Tier | No Change | Tier 3 |
|-------------------------|------------------------------|---------------|----------|
| tblConstructionPhase | NumDays | 300.00 | 200.00 |
| tblConstructionPhase | NumDays | 30.00 | 40.00 |
| tblConsumerProducts | ROG_EF | 2.14E-05 | 0 |
| tblConsumerProducts | ROG_EF_Degreaser | 3.542E-07 | 1E-10 |
| tblConsumerProducts | ROG_EF_PesticidesFertilizers | 5.152E-08 | 1E-10 |
| tblEnergyUse | LightingElect | 1.81 | 0.00 |
| tblEnergyUse | LightingElect | 0.35 | 0.00 |
| tblEnergyUse | NT24E | 1.85 | 0.00 |
| tblEnergyUse | NT24NG | 0.31 | 0.00 |
| tblEnergyUse | T24E | 0.62 | 0.00 |
| tblEnergyUse | T24NG | 3.20 | 0.00 |
| tblGrading | AcresOfGrading | 100.00 | 10.18 |
| tblGrading | MaterialExported | 0.00 | 7,000.00 |
| tblGrading | MaterialImported | 0.00 | 7,000.00 |
| tblLandUse | LotAcreage | 1.15 | 9.63 |
| tblRoadDust | RoadPercentPave | 100 | 0 |
| tblSolidWaste | SolidWasteGenerationRate | 62.00 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 91.00 |
| tblTripsAndVMT | HaulingTripNumber | 875.00 | 700.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |
| tblWater | IndoorWaterUseRate | 11,562,500.00 | 0.00 |

2.0 Emissions Summary

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|-----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2020 | 8.6191 | 109.1276 | 61.7816 | 0.1720 | 10.2699 | 3.9514 | 14.2212 | 4.1611 | 3.6554 | 7.8165 | 0.0000 | 17,181.9659 | 17,181.9659 | 3.0730 | 0.0000 | 17,258.7912 |
| 2021 | 39.0327 | 33.4192 | 35.1092 | 0.0597 | 0.5079 | 1.7378 | 2.2457 | 0.1365 | 1.6258 | 1.7624 | 0.0000 | 5,755.1885 | 5,755.1885 | 1.3669 | 0.0000 | 5,789.3612 |
| Maximum | 39.0327 | 109.1276 | 61.7816 | 0.1720 | 10.2699 | 3.9514 | 14.2212 | 4.1611 | 3.6554 | 7.8165 | 0.0000 | 17,181.9659 | 17,181.9659 | 3.0730 | 0.0000 | 17,258.7912 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2020 | 2.6332 | 51.8491 | 64.8900 | 0.1720 | 5.1180 | 1.6819 | 6.4836 | 1.9252 | 1.6768 | 3.4910 | 0.0000 | 17,181.9659 | 17,181.9659 | 3.0730 | 0.0000 | 17,258.7912 |
| 2021 | 36.9516 | 28.4194 | 39.0651 | 0.0597 | 0.5079 | 1.6154 | 2.1233 | 0.1365 | 1.6149 | 1.7514 | 0.0000 | 5,755.1885 | 5,755.1885 | 1.3669 | 0.0000 | 5,789.3612 |
| Maximum | 36.9516 | 51.8491 | 64.8900 | 0.1720 | 5.1180 | 1.6819 | 6.4836 | 1.9252 | 1.6768 | 3.4910 | 0.0000 | 17,181.9659 | 17,181.9659 | 3.0730 | 0.0000 | 17,258.7912 |

| | ROG | NOx | CO | SO2 | 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 | 16.93 | 43.69 | -7.29 | 0.00 | 47.80 | 42.04 | 47.73 | 52.03 | 37.67 | 45.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|---------------|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.0700e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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 | 1.0700e-003 | 1.0000e-004 | 0.0114 | 0.0000 | 0.0000 | 4.0000e-005 | 4.0000e-005 | 0.0000 | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | 0.0000 | 0.0259 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|---------------|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.0700e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 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 | 1.0700e-003 | 1.0000e-004 | 0.0114 | 0.0000 | 0.0000 | 4.0000e-005 | 4.0000e-005 | 0.0000 | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | 0.0000 | 0.0259 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-------------------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Phase 3 Demolition | Demolition | 3/10/2020 | 4/6/2020 | 5 | 20 | |
| 2 | Phase 3 Lime Remediation | Grading | 4/6/2020 | 5/29/2020 | 5 | 40 | |
| 3 | Phase 3 Building Construction | Building Construction | 5/29/2020 | 3/4/2021 | 5 | 200 | |
| 4 | Architectural Coating | Architectural Coating | 2/5/2021 | 3/4/2021 | 5 | 20 | |
| 5 | Paving | Paving | 2/23/2021 | 3/22/2021 | 5 | 20 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 1,464 (Architectural Coating – sqft)

OffRoad Equipment

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Phase 3 Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Phase 3 Demolition | Excavators | 3 | 8.00 | 158 | 0.38 |
| Phase 3 Demolition | Rubber Tired Dozers | 2 | 8.00 | 247 | 0.40 |
| Phase 3 Lime Remediation | Excavators | 2 | 8.00 | 158 | 0.38 |
| Phase 3 Lime Remediation | Graders | 1 | 8.00 | 187 | 0.41 |
| Phase 3 Lime Remediation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Phase 3 Lime Remediation | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Phase 3 Lime Remediation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase 3 Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Phase 3 Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase 3 Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase 3 Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase 3 Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |

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 |
|-------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Phase 3 Demolition | 6 | 15.00 | 0.00 | 191.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 3 Lime Remediation | 8 | 20.00 | 0.00 | 700.00 | 10.80 | 7.30 | 91.00 | LD_Mix | HDT_Mix | HHDT |
| Phase 3 Building Construction | 9 | 31.00 | 12.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 6.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Phase 3 Demolition - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.1020 | 0.0000 | 2.1020 | 0.3183 | 0.0000 | 0.3183 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.3121 | 33.2010 | 21.7532 | 0.0388 | | 1.6587 | 1.6587 | | 1.5419 | 1.5419 | | 3,747.7049 | 3,747.7049 | 1.0580 | | 3,774.1536 |
| Total | 3.3121 | 33.2010 | 21.7532 | 0.0388 | 2.1020 | 1.6587 | 3.7607 | 0.3183 | 1.5419 | 1.8601 | | 3,747.7049 | 3,747.7049 | 1.0580 | | 3,774.1536 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.2 Phase 3 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0846 | 3.2700 | 0.9489 | 7.7600e-003 | 0.1647 | 0.0131 | 0.1778 | 0.0450 | 0.0125 | 0.0575 | | 811.3631 | 811.3631 | 0.0107 | | 811.6314 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0828 | 0.0501 | 0.5018 | 1.1500e-003 | 0.1232 | 9.3000e-004 | 0.1242 | 0.0327 | 8.6000e-004 | 0.0336 | | 114.1247 | 114.1247 | 3.7000e-003 | | 114.2173 |
| Total | 0.1674 | 3.3200 | 1.4507 | 8.9100e-003 | 0.2879 | 0.0140 | 0.3020 | 0.0776 | 0.0134 | 0.0910 | | 925.4878 | 925.4878 | 0.0144 | | 925.8487 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 0.8198 | 0.0000 | 0.8198 | 0.1241 | 0.0000 | 0.1241 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.7155 | 11.1337 | 23.2798 | 0.0388 | | 0.5839 | 0.5839 | | 0.5839 | 0.5839 | 0.0000 | 3,747.7049 | 3,747.7049 | 1.0580 | | 3,774.1536 |
| Total | 0.7155 | 11.1337 | 23.2798 | 0.0388 | 0.8198 | 0.5839 | 1.4037 | 0.1241 | 0.5839 | 0.7080 | 0.0000 | 3,747.7049 | 3,747.7049 | 1.0580 | | 3,774.1536 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.2 Phase 3 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0846 | 3.2700 | 0.9489 | 7.7600e-003 | 0.1647 | 0.0131 | 0.1778 | 0.0450 | 0.0125 | 0.0575 | | 811.3631 | 811.3631 | 0.0107 | | 811.6314 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0828 | 0.0501 | 0.5018 | 1.1500e-003 | 0.1232 | 9.3000e-004 | 0.1242 | 0.0327 | 8.6000e-004 | 0.0336 | | 114.1247 | 114.1247 | 3.7000e-003 | | 114.2173 |
| Total | 0.1674 | 3.3200 | 1.4507 | 8.9100e-003 | 0.2879 | 0.0140 | 0.3020 | 0.0776 | 0.0134 | 0.0910 | | 925.4878 | 925.4878 | 0.0144 | | 925.8487 |

3.3 Phase 3 Lime Remediation - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.3436 | 0.0000 | 6.3436 | 3.3472 | 0.0000 | 3.3472 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.4501 | 50.1975 | 31.9583 | 0.0620 | | 2.1739 | 2.1739 | | 2.0000 | 2.0000 | | 6,005.8653 | 6,005.8653 | 1.9424 | | 6,054.4257 |
| Total | 4.4501 | 50.1975 | 31.9583 | 0.0620 | 6.3436 | 2.1739 | 8.5175 | 3.3472 | 2.0000 | 5.3472 | | 6,005.8653 | 6,005.8653 | 1.9424 | | 6,054.4257 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.3 Phase 3 Lime Remediation - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.5791 | 22.3423 | 5.9504 | 0.0607 | 1.3720 | 0.1035 | 1.4755 | 0.3744 | 0.0990 | 0.4734 | | 6,350.7416 | 6,350.7416 | 0.0533 | | 6,352.0735 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1104 | 0.0667 | 0.6691 | 1.5300e-003 | 0.1643 | 1.2500e-003 | 0.1655 | 0.0436 | 1.1500e-003 | 0.0447 | | 152.1663 | 152.1663 | 4.9300e-003 | | 152.2897 |
| Total | 0.6895 | 22.4090 | 6.6195 | 0.0623 | 1.5363 | 0.1047 | 1.6410 | 0.4180 | 0.1002 | 0.5182 | | 6,502.9079 | 6,502.9079 | 0.0582 | | 6,504.3632 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.4740 | 0.0000 | 2.4740 | 1.3054 | 0.0000 | 1.3054 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.0457 | 13.5880 | 33.5400 | 0.0620 | | 0.6629 | 0.6629 | | 0.6629 | 0.6629 | 0.0000 | 6,005.8653 | 6,005.8653 | 1.9424 | | 6,054.4257 |
| Total | 1.0457 | 13.5880 | 33.5400 | 0.0620 | 2.4740 | 0.6629 | 3.1369 | 1.3054 | 0.6629 | 1.9683 | 0.0000 | 6,005.8653 | 6,005.8653 | 1.9424 | | 6,054.4257 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.3 Phase 3 Lime Remediation - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.5791 | 22.3423 | 5.9504 | 0.0607 | 1.3720 | 0.1035 | 1.4755 | 0.3744 | 0.0990 | 0.4734 | | 6,350.7416 | 6,350.7416 | 0.0533 | | 6,352.0735 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1104 | 0.0667 | 0.6691 | 1.5300e-003 | 0.1643 | 1.2500e-003 | 0.1655 | 0.0436 | 1.1500e-003 | 0.0447 | | 152.1663 | 152.1663 | 4.9300e-003 | | 152.2897 |
| Total | 0.6895 | 22.4090 | 6.6195 | 0.0623 | 1.5363 | 0.1047 | 1.6410 | 0.4180 | 0.1002 | 0.5182 | | 6,502.9079 | 6,502.9079 | 0.0582 | | 6,504.3632 |

3.4 Phase 3 Building Construction - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.1198 | 19.1860 | 16.8485 | 0.0269 | | 1.1171 | 1.1171 | | 1.0503 | 1.0503 | | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |
| Total | 2.1198 | 19.1860 | 16.8485 | 0.0269 | | 1.1171 | 1.1171 | | 1.0503 | 1.0503 | | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.4 Phase 3 Building Construction - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0530 | 1.5226 | 0.5396 | 3.1900e-003 | 0.0807 | 8.8200e-003 | 0.0896 | 0.0232 | 8.4300e-003 | 0.0316 | | 333.2729 | 333.2729 | 7.1900e-003 | | 333.4526 |
| Worker | 0.1712 | 0.1034 | 1.0371 | 2.3700e-003 | 0.2547 | 1.9300e-003 | 0.2566 | 0.0676 | 1.7800e-003 | 0.0693 | | 235.8578 | 235.8578 | 7.6500e-003 | | 236.0490 |
| Total | 0.2241 | 1.6260 | 1.5766 | 5.5600e-003 | 0.3354 | 0.0108 | 0.3461 | 0.0908 | 0.0102 | 0.1010 | | 569.1306 | 569.1306 | 0.0148 | | 569.5015 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |
| Total | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,553.0631 | 2,553.0631 | 0.6229 | | 2,568.6345 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.4 Phase 3 Building Construction - 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0530 | 1.5226 | 0.5396 | 3.1900e-003 | 0.0807 | 8.8200e-003 | 0.0896 | 0.0232 | 8.4300e-003 | 0.0316 | | 333.2729 | 333.2729 | 7.1900e-003 | | 333.4526 |
| Worker | 0.1712 | 0.1034 | 1.0371 | 2.3700e-003 | 0.2547 | 1.9300e-003 | 0.2566 | 0.0676 | 1.7800e-003 | 0.0693 | | 235.8578 | 235.8578 | 7.6500e-003 | | 236.0490 |
| Total | 0.2241 | 1.6260 | 1.5766 | 5.5600e-003 | 0.3354 | 0.0108 | 0.3461 | 0.0908 | 0.0102 | 0.1010 | | 569.1306 | 569.1306 | 0.0148 | | 569.5015 |

3.4 Phase 3 Building Construction - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 | | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |
| Total | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 | | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.4 Phase 3 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0433 | 1.3852 | 0.4823 | 3.1700e-003 | 0.0807 | 4.2600e-003 | 0.0850 | 0.0232 | 4.0800e-003 | 0.0273 | | 330.9605 | 330.9605 | 6.2700e-003 | | 331.1173 |
| Worker | 0.1613 | 0.0930 | 0.9425 | 2.2900e-003 | 0.2547 | 1.8600e-003 | 0.2565 | 0.0676 | 1.7100e-003 | 0.0693 | | 227.8531 | 227.8531 | 6.8300e-003 | | 228.0238 |
| Total | 0.2046 | 1.4782 | 1.4248 | 5.4600e-003 | 0.3354 | 6.1200e-003 | 0.3415 | 0.0908 | 5.7900e-003 | 0.0965 | | 558.8136 | 558.8136 | 0.0131 | | 559.1410 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |
| Total | 0.6739 | 14.2261 | 17.8738 | 0.0269 | | 0.9036 | 0.9036 | | 0.9036 | 0.9036 | 0.0000 | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.4 Phase 3 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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0433 | 1.3852 | 0.4823 | 3.1700e-003 | 0.0807 | 4.2600e-003 | 0.0850 | 0.0232 | 4.0800e-003 | 0.0273 | | 330.9605 | 330.9605 | 6.2700e-003 | | 331.1173 |
| Worker | 0.1613 | 0.0930 | 0.9425 | 2.2900e-003 | 0.2547 | 1.8600e-003 | 0.2565 | 0.0676 | 1.7100e-003 | 0.0693 | | 227.8531 | 227.8531 | 6.8300e-003 | | 228.0238 |
| Total | 0.2046 | 1.4782 | 1.4248 | 5.4600e-003 | 0.3354 | 6.1200e-003 | 0.3415 | 0.0908 | 5.7900e-003 | 0.0965 | | 558.8136 | 558.8136 | 0.0131 | | 559.1410 |

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 35.2714 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2189 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| Total | 35.4903 | 1.5268 | 1.8176 | 2.9700e-003 | | 0.0941 | 0.0941 | | 0.0941 | 0.0941 | | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.5 Architectural Coating - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0312 | 0.0180 | 0.1824 | 4.4000e-004 | 0.0493 | 3.6000e-004 | 0.0497 | 0.0131 | 3.3000e-004 | 0.0134 | | 44.1006 | 44.1006 | 1.3200e-003 | | 44.1336 |
| Total | 0.0312 | 0.0180 | 0.1824 | 4.4000e-004 | 0.0493 | 3.6000e-004 | 0.0497 | 0.0131 | 3.3000e-004 | 0.0134 | | 44.1006 | 44.1006 | 1.3200e-003 | | 44.1336 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 35.2714 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0594 | 1.3570 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |
| Total | 35.3309 | 1.3570 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0193 | | 281.9309 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.5 Architectural Coating - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0312 | 0.0180 | 0.1824 | 4.4000e-004 | 0.0493 | 3.6000e-004 | 0.0497 | 0.0131 | 3.3000e-004 | 0.0134 | | 44.1006 | 44.1006 | 1.3200e-003 | | 44.1336 |
| Total | 0.0312 | 0.0180 | 0.1824 | 4.4000e-004 | 0.0493 | 3.6000e-004 | 0.0497 | 0.0131 | 3.3000e-004 | 0.0134 | | 44.1006 | 44.1006 | 1.3200e-003 | | 44.1336 |

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2556 | 12.9191 | 14.6532 | 0.0228 | | 0.6777 | 0.6777 | | 0.6235 | 0.6235 | | 2,207.2109 | 2,207.2109 | 0.7139 | | 2,225.0573 |
| Paving | 0.0721 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.3276 | 12.9191 | 14.6532 | 0.0228 | | 0.6777 | 0.6777 | | 0.6235 | 0.6235 | | 2,207.2109 | 2,207.2109 | 0.7139 | | 2,225.0573 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0780 | 0.0450 | 0.4560 | 1.1100e-003 | 0.1232 | 9.0000e-004 | 0.1241 | 0.0327 | 8.3000e-004 | 0.0335 | | 110.2515 | 110.2515 | 3.3000e-003 | | 110.3341 |
| Total | 0.0780 | 0.0450 | 0.4560 | 1.1100e-003 | 0.1232 | 9.0000e-004 | 0.1241 | 0.0327 | 8.3000e-004 | 0.0335 | | 110.2515 | 110.2515 | 3.3000e-003 | | 110.3341 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.5609 | 11.2952 | 17.2957 | 0.0228 | | 0.6093 | 0.6093 | | 0.6093 | 0.6093 | 0.0000 | 2,207.2109 | 2,207.2109 | 0.7139 | | 2,225.0573 |
| Paving | 0.0721 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.6330 | 11.2952 | 17.2957 | 0.0228 | | 0.6093 | 0.6093 | | 0.6093 | 0.6093 | 0.0000 | 2,207.2109 | 2,207.2109 | 0.7139 | | 2,225.0573 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0780 | 0.0450 | 0.4560 | 1.1100e-003 | 0.1232 | 9.0000e-004 | 0.1241 | 0.0327 | 8.3000e-004 | 0.0335 | | 110.2515 | 110.2515 | 3.3000e-003 | | 110.3341 |
| Total | 0.0780 | 0.0450 | 0.4560 | 1.1100e-003 | 0.1232 | 9.0000e-004 | 0.1241 | 0.0327 | 8.3000e-004 | 0.0335 | | 110.2515 | 110.2515 | 3.3000e-003 | | 110.3341 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

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 Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.521731 | 0.039973 | 0.225427 | 0.136952 | 0.032686 | 0.006663 | 0.016461 | 0.009421 | 0.001593 | 0.001171 | 0.005476 | 0.000813 | 0.001634 |
| Parking Lot | 0.521731 | 0.039973 | 0.225427 | 0.136952 | 0.032686 | 0.006663 | 0.016461 | 0.009421 | 0.001593 | 0.001171 | 0.005476 | 0.000813 | 0.001634 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|-------------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.0700e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |
| Unmitigated | 1.0700e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.0600e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |
| Total | 1.0600e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.0600e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |
| Total | 1.0600e-003 | 1.0000e-004 | 0.0114 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0243 | 0.0243 | 6.0000e-005 | | 0.0259 |

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

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El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|--------|----------|-------------|--------------------|------------|
| General Light Industry | 100.98 | 1000sqft | 9.63 | 100,977.00 | 0 |
| Parking Lot | 61.00 | Space | 0.55 | 24,400.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2018 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - Total lot acreage:10.18

Construction Phase - Operations only

Off-road Equipment - Operations only

Trips and VMT - Operations only

On-road Fugitive Dust - Operations only

Architectural Coating - Operations only

Vehicle Trips - No increase in existing mobile trips

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

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| Table Name | Column Name | Default Value | New Value |
|-------------------------|-----------------------------------|---------------|------------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 50,489.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 151,466.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Parking | 1,464.00 | 0.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 150 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 150 |
| tblAreaCoating | Area_EF_Parking | 250 | 150 |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0 | 0.5 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 40 |
| tblConstructionPhase | NumDays | 20.00 | 1.00 |
| tblLandUse | LandUseSquareFeet | 100,980.00 | 100,977.00 |
| tblLandUse | LotAcreage | 2.32 | 9.63 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOnRoadDust | HaulingPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | VendorPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | WorkerPercentPave | 100.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 11.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |

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 | | | | | |
| 2018 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Maximum | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 | | | | | |
| 2018 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Maximum | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | ROG | NOx | CO | SO2 | 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 |

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| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|----------|--|--|
| | | Highest | | |

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 | 0.4668 | 1.0000e-005 | 1.5100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8900e-003 | 2.8900e-003 | 1.0000e-005 | 0.0000 | 3.0900e-003 |
| Energy | 1.9100e-003 | 0.0174 | 0.0146 | 1.0000e-004 | | 1.3200e-003 | 1.3200e-003 | | 1.3200e-003 | 1.3200e-003 | 0.0000 | 147.1247 | 147.1247 | 6.1600e-003 | 1.5500e-003 | 147.7394 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 25.4185 | 0.0000 | 25.4185 | 1.5022 | 0.0000 | 62.9733 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 7.4084 | 36.7583 | 44.1667 | 0.7626 | 0.0183 | 68.6877 |
| Total | 0.4687 | 0.0174 | 0.0161 | 1.0000e-004 | 0.0000 | 1.3300e-003 | 1.3300e-003 | 0.0000 | 1.3300e-003 | 1.3300e-003 | 32.8269 | 183.8859 | 216.7128 | 2.2709 | 0.0199 | 279.4035 |

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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 | 0.4668 | 1.0000e-005 | 1.5100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8900e-003 | 2.8900e-003 | 1.0000e-005 | 0.0000 | 3.0900e-003 |
| Energy | 1.9100e-003 | 0.0174 | 0.0146 | 1.0000e-004 | | 1.3200e-003 | 1.3200e-003 | | 1.3200e-003 | 1.3200e-003 | 0.0000 | 147.1247 | 147.1247 | 6.1600e-003 | 1.5500e-003 | 147.7394 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 25.4185 | 0.0000 | 25.4185 | 1.5022 | 0.0000 | 62.9733 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 7.4084 | 36.7583 | 44.1667 | 0.7626 | 0.0183 | 68.6877 |
| Total | 0.4687 | 0.0174 | 0.0161 | 1.0000e-004 | 0.0000 | 1.3300e-003 | 1.3300e-003 | 0.0000 | 1.3300e-003 | 1.3300e-003 | 32.8269 | 183.8859 | 216.7128 | 2.2709 | 0.0199 | 279.4035 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Architectural Coating | Architectural Coating | 4/24/2018 | 4/24/2018 | 5 | 1 | |

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

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

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Architectural Coating | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

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3.2 Architectural Coating - 2018

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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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3.2 Architectural Coating - 2018

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 | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

4.0 Operational Detail - Mobile

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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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

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 Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

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| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.493048 | 0.045614 | 0.226310 | 0.149206 | 0.042262 | 0.008296 | 0.014581 | 0.008742 | 0.001550 | 0.001340 | 0.006001 | 0.000863 | 0.002188 |
| Parking Lot | 0.493048 | 0.045614 | 0.226310 | 0.149206 | 0.042262 | 0.008296 | 0.014581 | 0.008742 | 0.001550 | 0.001340 | 0.006001 | 0.000863 | 0.002188 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 128.2110 | 128.2110 | 5.8000e-003 | 1.2000e-003 | 128.7133 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 128.2110 | 128.2110 | 5.8000e-003 | 1.2000e-003 | 128.7133 |
| NaturalGas Mitigated | 1.9100e-003 | 0.0174 | 0.0146 | 1.0000e-004 | | 1.3200e-003 | 1.3200e-003 | | 1.3200e-003 | 1.3200e-003 | 0.0000 | 18.9137 | 18.9137 | 3.6000e-004 | 3.5000e-004 | 19.0261 |
| NaturalGas Unmitigated | 1.9100e-003 | 0.0174 | 0.0146 | 1.0000e-004 | | 1.3200e-003 | 1.3200e-003 | | 1.3200e-003 | 1.3200e-003 | 0.0000 | 18.9137 | 18.9137 | 3.6000e-004 | 3.5000e-004 | 19.0261 |

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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 Light Industry | 354429 | 1.9100e-003 | 0.0174 | 0.0146 | 1.0000e-004 | | 1.3200e-003 | 1.3200e-003 | | 1.3200e-003 | 1.3200e-003 | 0.0000 | 18.9137 | 18.9137 | 3.6000e-004 | 3.5000e-004 | 19.0261 |
| 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 | | 1.9100e-003 | 0.0174 | 0.0146 | 1.0000e-004 | | 1.3200e-003 | 1.3200e-003 | | 1.3200e-003 | 1.3200e-003 | 0.0000 | 18.9137 | 18.9137 | 3.6000e-004 | 3.5000e-004 | 19.0261 |

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 Light Industry | 354429 | 1.9100e-003 | 0.0174 | 0.0146 | 1.0000e-004 | | 1.3200e-003 | 1.3200e-003 | | 1.3200e-003 | 1.3200e-003 | 0.0000 | 18.9137 | 18.9137 | 3.6000e-004 | 3.5000e-004 | 19.0261 |
| 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 | | 1.9100e-003 | 0.0174 | 0.0146 | 1.0000e-004 | | 1.3200e-003 | 1.3200e-003 | | 1.3200e-003 | 1.3200e-003 | 0.0000 | 18.9137 | 18.9137 | 3.6000e-004 | 3.5000e-004 | 19.0261 |

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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 Light Industry | 432182 | 125.7266 | 5.6800e-003 | 1.1800e-003 | 126.2192 |
| Parking Lot | 8540 | 2.4844 | 1.1000e-004 | 2.0000e-005 | 2.4941 |
| Total | | 128.2110 | 5.7900e-003 | 1.2000e-003 | 128.7133 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Light Industry | 432182 | 125.7266 | 5.6800e-003 | 1.1800e-003 | 126.2192 |
| Parking Lot | 8540 | 2.4844 | 1.1000e-004 | 2.0000e-005 | 2.4941 |
| Total | | 128.2110 | 5.7900e-003 | 1.2000e-003 | 128.7133 |

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 | 0.4668 | 1.0000e-005 | 1.5100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8900e-003 | 2.8900e-003 | 1.0000e-005 | 0.0000 | 3.0900e-003 |
| Unmitigated | 0.4668 | 1.0000e-005 | 1.5100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8900e-003 | 2.8900e-003 | 1.0000e-005 | 0.0000 | 3.0900e-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 | 0.0707 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.3959 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.4000e-004 | 1.0000e-005 | 1.5100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8900e-003 | 2.8900e-003 | 1.0000e-005 | 0.0000 | 3.0900e-003 |
| Total | 0.4668 | 1.0000e-005 | 1.5100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8900e-003 | 2.8900e-003 | 1.0000e-005 | 0.0000 | 3.0900e-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 | 0.0707 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.3959 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.4000e-004 | 1.0000e-005 | 1.5100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8900e-003 | 2.8900e-003 | 1.0000e-005 | 0.0000 | 3.0900e-003 |
| Total | 0.4668 | 1.0000e-005 | 1.5100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 2.8900e-003 | 2.8900e-003 | 1.0000e-005 | 0.0000 | 3.0900e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

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| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| Category | MT/yr | | | |
| Mitigated | 44.1667 | 0.7626 | 0.0183 | 68.6877 |
| Unmitigated | 44.1667 | 0.7626 | 0.0183 | 68.6877 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| General Light Industry | 23.3516 / 0 | 44.1667 | 0.7626 | 0.0183 | 68.6877 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 44.1667 | 0.7626 | 0.0183 | 68.6877 |

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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 Light Industry | 23.3516 / 0 | 44.1667 | 0.7626 | 0.0183 | 68.6877 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 44.1667 | 0.7626 | 0.0183 | 68.6877 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 25.4185 | 1.5022 | 0.0000 | 62.9733 |
| Unmitigated | 25.4185 | 1.5022 | 0.0000 | 62.9733 |

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 125.22 | 25.4185 | 1.5022 | 0.0000 | 62.9733 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 25.4185 | 1.5022 | 0.0000 | 62.9733 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 125.22 | 25.4185 | 1.5022 | 0.0000 | 62.9733 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 25.4185 | 1.5022 | 0.0000 | 62.9733 |

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

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

3390.0003 Phase 1+2 Operations
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|--------|----------|-------------|--------------------|------------|
| General Light Industry | 100.98 | 1000sqft | 9.63 | 100,977.00 | 0 |
| Parking Lot | 61.00 | Space | 0.55 | 24,400.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2018 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

Project Characteristics -

Land Use - Total lot acreage:10.18

Construction Phase - Operations only

Off-road Equipment - Operations only

Trips and VMT - Operations only

On-road Fugitive Dust - Operations only

Architectural Coating - Operations only

Vehicle Trips - No increase in existing mobile trips

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

| Table Name | Column Name | Default Value | New Value |
|-------------------------|-----------------------------------|---------------|------------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 50,489.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 151,466.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Parking | 1,464.00 | 0.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 150 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 150 |
| tblAreaCoating | Area_EF_Parking | 250 | 150 |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0 | 0.5 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 40 |
| tblConstructionPhase | NumDays | 20.00 | 1.00 |
| tblLandUse | LandUseSquareFeet | 100,980.00 | 100,977.00 |
| tblLandUse | LotAcreage | 2.32 | 9.63 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOnRoadDust | HaulingPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | VendorPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | WorkerPercentPave | 100.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 11.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |

2.0 Emissions Summary

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Maximum | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Maximum | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | ROG | NOx | CO | SO2 | 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 |

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.5586 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |
| Energy | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |
| Mobile | 0.0000 | 0.0000 | 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 | 2.5691 | 0.0954 | 0.0967 | 5.7000e-004 | 0.0000 | 7.3000e-003 | 7.3000e-003 | 0.0000 | 7.3000e-003 | 7.3000e-003 | | 114.2753 | 114.2753 | 2.2900e-003 | 2.0900e-003 | 114.9566 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.5586 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |
| Energy | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |
| Mobile | 0.0000 | 0.0000 | 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 | 2.5691 | 0.0954 | 0.0967 | 5.7000e-004 | 0.0000 | 7.3000e-003 | 7.3000e-003 | 0.0000 | 7.3000e-003 | 7.3000e-003 | | 114.2753 | 114.2753 | 2.2900e-003 | 2.0900e-003 | 114.9566 |

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Architectural Coating | Architectural Coating | 4/24/2018 | 4/24/2018 | 5 | 1 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

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

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Architectural Coating | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

3.2 Architectural Coating - 2018

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

3.2 Architectural Coating - 2018

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

4.0 Operational Detail - Mobile

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

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 Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.493048 | 0.045614 | 0.226310 | 0.149206 | 0.042262 | 0.008296 | 0.014581 | 0.008742 | 0.001550 | 0.001340 | 0.006001 | 0.000863 | 0.002188 |
| Parking Lot | 0.493048 | 0.045614 | 0.226310 | 0.149206 | 0.042262 | 0.008296 | 0.014581 | 0.008742 | 0.001550 | 0.001340 | 0.006001 | 0.000863 | 0.002188 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |
| NaturalGas Unmitigated | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 971.039 | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |
| 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 |
| Total | | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 0.971039 | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |
| 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 |
| Total | | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 2.5586 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |
| Unmitigated | 2.5586 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.3875 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.1696 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.6000e-003 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |
| Total | 2.5586 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.3875 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.1696 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.6000e-003 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |
| Total | 2.5586 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

3390.0003 Phase 1+2 Operations
El Dorado-Mountain County County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|--------|----------|-------------|--------------------|------------|
| General Light Industry | 100.98 | 1000sqft | 9.63 | 100,977.00 | 0 |
| Parking Lot | 61.00 | Space | 0.55 | 24,400.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2018 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

Project Characteristics -

Land Use - Total lot acreage:10.18

Construction Phase - Operations only

Off-road Equipment - Operations only

Trips and VMT - Operations only

On-road Fugitive Dust - Operations only

Architectural Coating - Operations only

Vehicle Trips - No increase in existing mobile trips

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

| Table Name | Column Name | Default Value | New Value |
|-------------------------|-----------------------------------|---------------|------------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 50,489.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 151,466.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Parking | 1,464.00 | 0.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 150 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 150 |
| tblAreaCoating | Area_EF_Parking | 250 | 150 |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0 | 0.5 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 40 |
| tblConstructionPhase | NumDays | 20.00 | 1.00 |
| tblLandUse | LandUseSquareFeet | 100,980.00 | 100,977.00 |
| tblLandUse | LotAcreage | 2.32 | 9.63 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOnRoadDust | HaulingPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | VendorPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | WorkerPercentPave | 100.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 11.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |

2.0 Emissions Summary

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Maximum | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Maximum | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | ROG | NOx | CO | SO2 | 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 |

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.5586 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |
| Energy | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |
| Mobile | 0.0000 | 0.0000 | 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 | 2.5691 | 0.0954 | 0.0967 | 5.7000e-004 | 0.0000 | 7.3000e-003 | 7.3000e-003 | 0.0000 | 7.3000e-003 | 7.3000e-003 | | 114.2753 | 114.2753 | 2.2900e-003 | 2.0900e-003 | 114.9566 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.5586 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |
| Energy | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |
| Mobile | 0.0000 | 0.0000 | 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 | 2.5691 | 0.0954 | 0.0967 | 5.7000e-004 | 0.0000 | 7.3000e-003 | 7.3000e-003 | 0.0000 | 7.3000e-003 | 7.3000e-003 | | 114.2753 | 114.2753 | 2.2900e-003 | 2.0900e-003 | 114.9566 |

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Architectural Coating | Architectural Coating | 4/24/2018 | 4/24/2018 | 5 | 1 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

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

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Architectural Coating | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

3.2 Architectural Coating - 2018

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

3.2 Architectural Coating - 2018

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

4.0 Operational Detail - Mobile

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

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 Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.493048 | 0.045614 | 0.226310 | 0.149206 | 0.042262 | 0.008296 | 0.014581 | 0.008742 | 0.001550 | 0.001340 | 0.006001 | 0.000863 | 0.002188 |
| Parking Lot | 0.493048 | 0.045614 | 0.226310 | 0.149206 | 0.042262 | 0.008296 | 0.014581 | 0.008742 | 0.001550 | 0.001340 | 0.006001 | 0.000863 | 0.002188 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |
| NaturalGas Unmitigated | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 971.039 | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |
| 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 |
| Total | | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 0.971039 | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |
| 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 |
| Total | | 0.0105 | 0.0952 | 0.0800 | 5.7000e-004 | | 7.2400e-003 | 7.2400e-003 | | 7.2400e-003 | 7.2400e-003 | | 114.2399 | 114.2399 | 2.1900e-003 | 2.0900e-003 | 114.9188 |

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 2.5586 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |
| Unmitigated | 2.5586 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.3875 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.1696 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.6000e-003 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |
| Total | 2.5586 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | 0.0379 |

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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 | lb/day | | | | | | | | | | lb/day | | | | | | |
| Architectural Coating | 0.3875 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | | 0.0000 |
| Consumer Products | 2.1696 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | | 0.0000 |
| Landscaping | 1.6000e-003 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | | 0.0379 |
| Total | 2.5586 | 1.6000e-004 | 0.0168 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0355 | 0.0355 | 1.0000e-004 | | | 0.0379 |

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

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El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|--------|----------|-------------|--------------------|------------|
| General Light Industry | 108.93 | 1000sqft | 9.63 | 108,927.00 | 0 |
| Parking Lot | 61.00 | Space | 0.55 | 24,400.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2021 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - .

Land Use - Total lot acreage:10.18

Construction Phase - Long term operations: use of a grinding machine (Terminator 6000S Low Speed Mobile Shredder); equipment modeled in construction run to incorporate tier 4 final mitigation

Off-road Equipment - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Off-road Equipment - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Trips and VMT - Operations only

On-road Fugitive Dust - Operations only

Architectural Coating - Operations only

Vehicle Trips - No increase in existing site mobile trips

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Operational Off-Road Equipment - New single stream plant includes drum feeder, steel pan belt, feed and belt conveyors, transfer slider beds, small and large trammels, glass breakers, drum magnet, drum magnet pan feeder, ballistic screens, storage silos, dual ram baler, and more.

Fleet Mix -

| Table Name | Column Name | Default Value | New Value |
|-------------------------|-----------------------------------|---------------|-----------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 54,464.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 163,391.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Parking | 1,464.00 | 0.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 0.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 150 |

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| | | | |
|-------------------------|---------------------------------|-------------|--------------|
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 150 |
| tblAreaCoating | Area_EF_Parking | 250 | 150 |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0 | 0.5 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 40 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstructionPhase | NumDays | 20.00 | 1.00 |
| tblConstructionPhase | NumDays | 300.00 | 261.00 |
| tblFleetMix | HHD | 9.4210e-003 | 9.0130e-003 |
| tblFleetMix | HHD | 9.4210e-003 | 9.0130e-003 |
| tblFleetMix | LDA | 0.52 | 0.50 |
| tblFleetMix | LDA | 0.52 | 0.50 |
| tblFleetMix | LDT1 | 0.04 | 0.04 |
| tblFleetMix | LDT1 | 0.04 | 0.04 |
| tblFleetMix | LDT2 | 0.23 | 0.23 |
| tblFleetMix | LDT2 | 0.23 | 0.23 |
| tblFleetMix | LHD1 | 0.03 | 0.04 |
| tblFleetMix | LHD1 | 0.03 | 0.04 |
| tblFleetMix | LHD2 | 6.6630e-003 | 7.6950e-003 |
| tblFleetMix | LHD2 | 6.6630e-003 | 7.6950e-003 |
| tblFleetMix | MCY | 5.4760e-003 | 5.8140e-003 |
| tblFleetMix | MCY | 5.4760e-003 | 5.8140e-003 |
| tblFleetMix | MDV | 0.14 | 0.14 |
| tblFleetMix | MDV | 0.14 | 0.14 |
| tblFleetMix | MH | 1.6340e-003 | 1.9860e-003 |
| tblFleetMix | MH | 1.6340e-003 | 1.9860e-003 |
| tblFleetMix | MHD | 0.02 | 0.02 |

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| | | | |
|--------------------------------|----------------------------|-------------|-------------|
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | OBUS | 1.5930e-003 | 1.5650e-003 |
| tblFleetMix | OBUS | 1.5930e-003 | 1.5650e-003 |
| tblFleetMix | SBUS | 8.1300e-004 | 8.4300e-004 |
| tblFleetMix | SBUS | 8.1300e-004 | 8.4300e-004 |
| tblFleetMix | UBUS | 1.1710e-003 | 1.2500e-003 |
| tblFleetMix | UBUS | 1.1710e-003 | 1.2500e-003 |
| tblLandUse | LandUseSquareFeet | 108,930.00 | 108,927.00 |
| tblLandUse | LotAcreage | 2.50 | 9.63 |
| tblOffRoadEquipment | HorsePower | 88.00 | 583.00 |
| tblOffRoadEquipment | LoadFactor | 0.34 | 0.75 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 6.00 |
| tblOnRoadDust | HaulingPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | HaulingPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | VendorPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | VendorPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | WorkerPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | WorkerPercentPave | 100.00 | 0.00 |
| tblOperationalOffRoadEquipment | OperDaysPerYear | 260.00 | 264.00 |

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| | | | |
|--------------------------------|----------------------------|--------|------------|
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperHorsePower | 88.00 | 552.00 |
| tblOperationalOffRoadEquipment | OperHoursPerDay | 8.00 | 4.00 |
| tblOperationalOffRoadEquipment | OperLoadFactor | 0.34 | 0.40 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 1.00 |
| tblTripsAndVMT | VendorTripNumber | 22.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 11.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 56.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |

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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.1671 | 1.3956 | 1.4724 | 4.9200e-003 | 0.0000 | 0.0547 | 0.0547 | 0.0000 | 0.0503 | 0.0503 | 0.0000 | 432.2620 | 432.2620 | 0.1398 | 0.0000 | 435.7571 |
| Maximum | 0.1671 | 1.3956 | 1.4724 | 4.9200e-003 | 0.0000 | 0.0547 | 0.0547 | 0.0000 | 0.0503 | 0.0503 | 0.0000 | 432.2620 | 432.2620 | 0.1398 | 0.0000 | 435.7571 |

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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.0604 | 0.2617 | 2.2141 | 4.9200e-003 | 0.0000 | 8.0500e-003 | 8.0500e-003 | 0.0000 | 8.0500e-003 | 8.0500e-003 | 0.0000 | 432.2615 | 432.2615 | 0.1398 | 0.0000 | 435.7566 |
| Maximum | 0.0604 | 0.2617 | 2.2141 | 4.9200e-003 | 0.0000 | 8.0500e-003 | 8.0500e-003 | 0.0000 | 8.0500e-003 | 8.0500e-003 | 0.0000 | 432.2615 | 432.2615 | 0.1398 | 0.0000 | 435.7566 |

| | ROG | NOx | CO | SO2 | 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 | 63.86 | 81.25 | -50.37 | 0.00 | 0.00 | 85.29 | 85.29 | 0.00 | 84.01 | 84.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 9 | 1-1-2021 | 3-31-2021 | 0.3849 | 0.0793 |
| 10 | 4-1-2021 | 6-30-2021 | 0.3892 | 0.0802 |
| 11 | 7-1-2021 | 9-30-2021 | 0.3934 | 0.0811 |
| | | Highest | 0.3934 | 0.0811 |

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 | 0.5034 | 1.0000e-005 | 1.5700e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.0400e-003 | 3.0400e-003 | 1.0000e-005 | 0.0000 | 3.2400e-003 |
| Energy | 2.0600e-003 | 0.0187 | 0.0157 | 1.1000e-004 | | 1.4200e-003 | 1.4200e-003 | | 1.4200e-003 | 1.4200e-003 | 0.0000 | 158.5123 | 158.5123 | 6.6400e-003 | 1.6700e-003 | 159.1747 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Offroad | 0.0427 | 0.3564 | 0.3760 | 1.2600e-003 | | 0.0140 | 0.0140 | | 0.0129 | 0.0129 | 0.0000 | 110.3951 | 110.3951 | 0.0357 | 0.0000 | 111.2877 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 27.4180 | 0.0000 | 27.4180 | 1.6204 | 0.0000 | 67.9269 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 7.9916 | 39.6522 | 47.6439 | 0.8226 | 0.0198 | 74.0953 |
| Total | 0.5481 | 0.3752 | 0.3933 | 1.3700e-003 | 0.0000 | 0.0154 | 0.0154 | 0.0000 | 0.0143 | 0.0143 | 35.4096 | 308.5627 | 343.9723 | 2.4853 | 0.0214 | 412.4879 |

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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 | 0.5034 | 1.0000e-005 | 1.5700e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.0400e-003 | 3.0400e-003 | 1.0000e-005 | 0.0000 | 3.2400e-003 |
| Energy | 2.0600e-003 | 0.0187 | 0.0157 | 1.1000e-004 | | 1.4200e-003 | 1.4200e-003 | | 1.4200e-003 | 1.4200e-003 | 0.0000 | 158.5123 | 158.5123 | 6.6400e-003 | 1.6700e-003 | 159.1747 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Offroad | 0.0427 | 0.3564 | 0.3760 | 1.2600e-003 | | 0.0140 | 0.0140 | | 0.0129 | 0.0129 | 0.0000 | 110.3951 | 110.3951 | 0.0357 | 0.0000 | 111.2877 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 27.4180 | 0.0000 | 27.4180 | 1.6204 | 0.0000 | 67.9269 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 7.9916 | 39.6522 | 47.6439 | 0.8226 | 0.0198 | 74.0953 |
| Total | 0.5481 | 0.3752 | 0.3933 | 1.3700e-003 | 0.0000 | 0.0154 | 0.0154 | 0.0000 | 0.0143 | 0.0143 | 35.4096 | 308.5627 | 343.9723 | 2.4853 | 0.0214 | 412.4879 |

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

3.0 Construction Detail

Construction Phase

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| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Architectural Coating | Architectural Coating | 2/25/2020 | 3/23/2020 | 5 | 1 | |
| 2 | Grinding Machine Operations | Building Construction | 1/1/2021 | 12/31/2021 | 5 | 261 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

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

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------------|------------------------------------|--------|-------------|-------------|-------------|
| Grinding Machine Operations | Cranes | 0 | 8.00 | 231 | 0.29 |
| Grinding Machine Operations | Forklifts | 0 | 7.00 | 89 | 0.20 |
| Grinding Machine Operations | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Grinding Machine Operations | Other General Industrial Equipment | 1 | 8.00 | 583 | 0.75 |
| Grinding Machine Operations | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |
| Grinding Machine Operations | Welders | 0 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grinding Machine Operations | 1 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

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Use Cleaner Engines for Construction Equipment

3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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3.2 Architectural Coating - 2020

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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3.3 Grinding Machine Operations - 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 | 0.1671 | 1.3956 | 1.4724 | 4.9200e-003 | | 0.0547 | 0.0547 | | 0.0503 | 0.0503 | 0.0000 | 432.2620 | 432.2620 | 0.1398 | 0.0000 | 435.7571 |
| Total | 0.1671 | 1.3956 | 1.4724 | 4.9200e-003 | | 0.0547 | 0.0547 | | 0.0503 | 0.0503 | 0.0000 | 432.2620 | 432.2620 | 0.1398 | 0.0000 | 435.7571 |

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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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3.3 Grinding Machine Operations - 2021

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0604 | 0.2617 | 2.2141 | 4.9200e-003 | | 8.0500e-003 | 8.0500e-003 | | 8.0500e-003 | 8.0500e-003 | 0.0000 | 432.2615 | 432.2615 | 0.1398 | 0.0000 | 435.7566 |
| Total | 0.0604 | 0.2617 | 2.2141 | 4.9200e-003 | | 8.0500e-003 | 8.0500e-003 | | 8.0500e-003 | 8.0500e-003 | 0.0000 | 432.2615 | 432.2615 | 0.1398 | 0.0000 | 435.7566 |

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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

4.0 Operational Detail - Mobile

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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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

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 Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

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| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.503470 | 0.043416 | 0.226017 | 0.144790 | 0.038824 | 0.007695 | 0.015319 | 0.009013 | 0.001565 | 0.001250 | 0.005814 | 0.000843 | 0.001986 |
| Parking Lot | 0.503470 | 0.043416 | 0.226017 | 0.144790 | 0.038824 | 0.007695 | 0.015319 | 0.009013 | 0.001565 | 0.001250 | 0.005814 | 0.000843 | 0.001986 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 138.1095 | 138.1095 | 6.2400e-003 | 1.2900e-003 | 138.6507 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 138.1095 | 138.1095 | 6.2400e-003 | 1.2900e-003 | 138.6507 |
| NaturalGas Mitigated | 2.0600e-003 | 0.0187 | 0.0157 | 1.1000e-004 | | 1.4200e-003 | 1.4200e-003 | | 1.4200e-003 | 1.4200e-003 | 0.0000 | 20.4028 | 20.4028 | 3.9000e-004 | 3.7000e-004 | 20.5240 |
| NaturalGas Unmitigated | 2.0600e-003 | 0.0187 | 0.0157 | 1.1000e-004 | | 1.4200e-003 | 1.4200e-003 | | 1.4200e-003 | 1.4200e-003 | 0.0000 | 20.4028 | 20.4028 | 3.9000e-004 | 3.7000e-004 | 20.5240 |

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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 Light Industry | 382334 | 2.0600e-003 | 0.0187 | 0.0157 | 1.1000e-004 | | 1.4200e-003 | 1.4200e-003 | | 1.4200e-003 | 1.4200e-003 | 0.0000 | 20.4028 | 20.4028 | 3.9000e-004 | 3.7000e-004 | 20.5240 |
| 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 | | 2.0600e-003 | 0.0187 | 0.0157 | 1.1000e-004 | | 1.4200e-003 | 1.4200e-003 | | 1.4200e-003 | 1.4200e-003 | 0.0000 | 20.4028 | 20.4028 | 3.9000e-004 | 3.7000e-004 | 20.5240 |

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 Light Industry | 382334 | 2.0600e-003 | 0.0187 | 0.0157 | 1.1000e-004 | | 1.4200e-003 | 1.4200e-003 | | 1.4200e-003 | 1.4200e-003 | 0.0000 | 20.4028 | 20.4028 | 3.9000e-004 | 3.7000e-004 | 20.5240 |
| 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 | | 2.0600e-003 | 0.0187 | 0.0157 | 1.1000e-004 | | 1.4200e-003 | 1.4200e-003 | | 1.4200e-003 | 1.4200e-003 | 0.0000 | 20.4028 | 20.4028 | 3.9000e-004 | 3.7000e-004 | 20.5240 |

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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 Light Industry | 466208 | 135.6251 | 6.1300e-003 | 1.2700e-003 | 136.1565 |
| Parking Lot | 8540 | 2.4844 | 1.1000e-004 | 2.0000e-005 | 2.4941 |
| Total | | 138.1095 | 6.2400e-003 | 1.2900e-003 | 138.6507 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Light Industry | 466208 | 135.6251 | 6.1300e-003 | 1.2700e-003 | 136.1565 |
| Parking Lot | 8540 | 2.4844 | 1.1000e-004 | 2.0000e-005 | 2.4941 |
| Total | | 138.1095 | 6.2400e-003 | 1.2900e-003 | 138.6507 |

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 | 0.5034 | 1.0000e-005 | 1.5700e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.0400e-003 | 3.0400e-003 | 1.0000e-005 | 0.0000 | 3.2400e-003 |
| Unmitigated | 0.5034 | 1.0000e-005 | 1.5700e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.0400e-003 | 3.0400e-003 | 1.0000e-005 | 0.0000 | 3.2400e-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 | 0.0762 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.4270 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.5000e-004 | 1.0000e-005 | 1.5700e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.0400e-003 | 3.0400e-003 | 1.0000e-005 | 0.0000 | 3.2400e-003 |
| Total | 0.5034 | 1.0000e-005 | 1.5700e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.0400e-003 | 3.0400e-003 | 1.0000e-005 | 0.0000 | 3.2400e-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 | 0.0762 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.4270 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.5000e-004 | 1.0000e-005 | 1.5700e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.0400e-003 | 3.0400e-003 | 1.0000e-005 | 0.0000 | 3.2400e-003 |
| Total | 0.5034 | 1.0000e-005 | 1.5700e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.0400e-003 | 3.0400e-003 | 1.0000e-005 | 0.0000 | 3.2400e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

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| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| Category | MT/yr | | | |
| Mitigated | 47.6439 | 0.8226 | 0.0198 | 74.0953 |
| Unmitigated | 47.6439 | 0.8226 | 0.0198 | 74.0953 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| General Light Industry | 25.1901 / 0 | 47.6439 | 0.8226 | 0.0198 | 74.0953 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 47.6439 | 0.8226 | 0.0198 | 74.0953 |

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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 Light Industry | 25.1901 / 0 | 47.6439 | 0.8226 | 0.0198 | 74.0953 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 47.6439 | 0.8226 | 0.0198 | 74.0953 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 27.4180 | 1.6204 | 0.0000 | 67.9269 |
| Unmitigated | 27.4180 | 1.6204 | 0.0000 | 67.9269 |

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 135.07 | 27.4180 | 1.6204 | 0.0000 | 67.9269 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 27.4180 | 1.6204 | 0.0000 | 67.9269 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 135.07 | 27.4180 | 1.6204 | 0.0000 | 67.9269 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 27.4180 | 1.6204 | 0.0000 | 67.9269 |

9.0 Operational Offroad

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| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|------------------------------------|--------|-----------|-----------|-------------|-------------|------------|
| Other General Industrial Equipment | 1 | 4.00 | 264 | 552 | 0.40 | Electrical |

UnMitigated/Mitigated

| Equipment Type | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Other General Industrial Equipment | 0.0427 | 0.3564 | 0.3760 | 1.2600e-003 | | 0.0140 | 0.0140 | | 0.0129 | 0.0129 | 0.0000 | 110.3951 | 110.3951 | 0.0357 | 0.0000 | 111.2877 |
| Total | 0.0427 | 0.3564 | 0.3760 | 1.2600e-003 | | 0.0140 | 0.0140 | | 0.0129 | 0.0129 | 0.0000 | 110.3951 | 110.3951 | 0.0357 | 0.0000 | 111.2877 |

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

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

3390.0003 Phase 3 Operations
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|--------|----------|-------------|--------------------|------------|
| General Light Industry | 108.93 | 1000sqft | 9.63 | 108,927.00 | 0 |
| Parking Lot | 61.00 | Space | 0.55 | 24,400.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2021 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

Project Characteristics - .

Land Use - Total lot acreage:10.18

Construction Phase - Long term operations: use of a grinding machine (Terminator 6000S Low Speed Mobile Shredder); equipment modeled in construction run to incorporate tier 4 final mitigation

Off-road Equipment - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Off-road Equipment - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Trips and VMT - Operations only

On-road Fugitive Dust - Operations only

Architectural Coating - Operations only

Vehicle Trips - No increase in existing site mobile trips

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Operational Off-Road Equipment - New single stream plant includes drum feeder, steel pan belt, feed and belt conveyors, transfer slider beds, small and large trammels, glass breakers, drum magnet, drum magnet pan feeder, ballistic screens, storage silos, dual ram baler, and more.

Fleet Mix -

| Table Name | Column Name | Default Value | New Value |
|-------------------------|-----------------------------------|---------------|-----------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 54,464.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 163,391.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Parking | 1,464.00 | 0.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 0.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 150 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

| | | | |
|-------------------------|---------------------------------|-------------|--------------|
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 150 |
| tblAreaCoating | Area_EF_Parking | 250 | 150 |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0 | 0.5 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 40 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstructionPhase | NumDays | 20.00 | 1.00 |
| tblConstructionPhase | NumDays | 300.00 | 261.00 |
| tblFleetMix | HHD | 9.4210e-003 | 9.0130e-003 |
| tblFleetMix | HHD | 9.4210e-003 | 9.0130e-003 |
| tblFleetMix | LDA | 0.52 | 0.50 |
| tblFleetMix | LDA | 0.52 | 0.50 |
| tblFleetMix | LDT1 | 0.04 | 0.04 |
| tblFleetMix | LDT1 | 0.04 | 0.04 |
| tblFleetMix | LDT2 | 0.23 | 0.23 |
| tblFleetMix | LDT2 | 0.23 | 0.23 |
| tblFleetMix | LHD1 | 0.03 | 0.04 |
| tblFleetMix | LHD1 | 0.03 | 0.04 |
| tblFleetMix | LHD2 | 6.6630e-003 | 7.6950e-003 |
| tblFleetMix | LHD2 | 6.6630e-003 | 7.6950e-003 |
| tblFleetMix | MCY | 5.4760e-003 | 5.8140e-003 |
| tblFleetMix | MCY | 5.4760e-003 | 5.8140e-003 |
| tblFleetMix | MDV | 0.14 | 0.14 |
| tblFleetMix | MDV | 0.14 | 0.14 |
| tblFleetMix | MH | 1.6340e-003 | 1.9860e-003 |
| tblFleetMix | MH | 1.6340e-003 | 1.9860e-003 |
| tblFleetMix | MHD | 0.02 | 0.02 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

| | | | |
|--------------------------------|----------------------------|-------------|-------------|
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | OBUS | 1.5930e-003 | 1.5650e-003 |
| tblFleetMix | OBUS | 1.5930e-003 | 1.5650e-003 |
| tblFleetMix | SBUS | 8.1300e-004 | 8.4300e-004 |
| tblFleetMix | SBUS | 8.1300e-004 | 8.4300e-004 |
| tblFleetMix | UBUS | 1.1710e-003 | 1.2500e-003 |
| tblFleetMix | UBUS | 1.1710e-003 | 1.2500e-003 |
| tblLandUse | LandUseSquareFeet | 108,930.00 | 108,927.00 |
| tblLandUse | LotAcreage | 2.50 | 9.63 |
| tblOffRoadEquipment | HorsePower | 88.00 | 583.00 |
| tblOffRoadEquipment | LoadFactor | 0.34 | 0.75 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 6.00 |
| tblOnRoadDust | HaulingPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | HaulingPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | VendorPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | VendorPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | WorkerPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | WorkerPercentPave | 100.00 | 0.00 |
| tblOperationalOffRoadEquipment | OperDaysPerYear | 260.00 | 264.00 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

| | | | |
|--------------------------------|----------------------------|--------|------------|
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperHorsePower | 88.00 | 552.00 |
| tblOperationalOffRoadEquipment | OperHoursPerDay | 8.00 | 4.00 |
| tblOperationalOffRoadEquipment | OperLoadFactor | 0.34 | 0.40 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 1.00 |
| tblTripsAndVMT | VendorTripNumber | 22.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 11.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 56.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |

2.0 Emissions Summary

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 1.2801 | 10.6941 | 11.2827 | 0.0377 | 0.0000 | 0.4193 | 0.4193 | 0.0000 | 0.3858 | 0.3858 | 0.0000 | 3,651.2439 | 3,651.2439 | 1.1809 | 0.0000 | 3,680.7661 |
| Maximum | 1.2801 | 10.6941 | 11.2827 | 0.0377 | 0.0000 | 0.4193 | 0.4193 | 0.0000 | 0.3858 | 0.3858 | 0.0000 | 3,651.2439 | 3,651.2439 | 1.1809 | 0.0000 | 3,680.7661 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.4627 | 2.0051 | 16.9659 | 0.0377 | 0.0000 | 0.0617 | 0.0617 | 0.0000 | 0.0617 | 0.0617 | 0.0000 | 3,651.2439 | 3,651.2439 | 1.1809 | 0.0000 | 3,680.7661 |
| Maximum | 0.4627 | 2.0051 | 16.9659 | 0.0377 | 0.0000 | 0.0617 | 0.0617 | 0.0000 | 0.0617 | 0.0617 | 0.0000 | 3,651.2439 | 3,651.2439 | 1.1809 | 0.0000 | 3,680.7661 |

| | ROG | NOx | CO | SO2 | 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 | 63.85 | 81.25 | -50.37 | 0.00 | 0.00 | 85.29 | 85.29 | 0.00 | 84.01 | 84.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.7591 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |
| Energy | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Offroad | 0.3232 | 2.7001 | 2.8487 | 9.5300e-003 | | 0.1059 | 0.1059 | | 0.0974 | 0.0974 | | 921.8921 | 921.8921 | 0.2982 | | 929.3461 |
| Total | 3.0936 | 2.8030 | 2.9524 | 0.0102 | 0.0000 | 0.1137 | 0.1137 | 0.0000 | 0.1053 | 0.1053 | | 1,045.1634 | 1,045.1634 | 0.3006 | 2.2600e-003 | 1,053.3522 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.7591 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |
| Energy | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Offroad | 0.3232 | 2.7001 | 2.8487 | 9.5300e-003 | | 0.1059 | 0.1059 | | 0.0974 | 0.0974 | | 921.8921 | 921.8921 | 0.2982 | | 929.3461 |
| Total | 3.0936 | 2.8030 | 2.9524 | 0.0102 | 0.0000 | 0.1137 | 0.1137 | 0.0000 | 0.1053 | 0.1053 | | 1,045.1634 | 1,045.1634 | 0.3006 | 2.2600e-003 | 1,053.3522 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Architectural Coating | Architectural Coating | 2/25/2020 | 3/23/2020 | 5 | 1 | |
| 2 | Grinding Machine Operations | Building Construction | 1/1/2021 | 12/31/2021 | 5 | 261 | |

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

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

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------------|------------------------------------|--------|-------------|-------------|-------------|
| Grinding Machine Operations | Cranes | 0 | 8.00 | 231 | 0.29 |
| Grinding Machine Operations | Forklifts | 0 | 7.00 | 89 | 0.20 |
| Grinding Machine Operations | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Grinding Machine Operations | Other General Industrial Equipment | 1 | 8.00 | 583 | 0.75 |
| Grinding Machine Operations | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |
| Grinding Machine Operations | Welders | 0 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grinding Machine Operations | 1 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

3.2 Architectural Coating - 2020

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

3.3 Grinding Machine Operations - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2801 | 10.6941 | 11.2827 | 0.0377 | | 0.4193 | 0.4193 | | 0.3858 | 0.3858 | | 3,651.2439 | 3,651.2439 | 1.1809 | | 3,680.7661 |
| Total | 1.2801 | 10.6941 | 11.2827 | 0.0377 | | 0.4193 | 0.4193 | | 0.3858 | 0.3858 | | 3,651.2439 | 3,651.2439 | 1.1809 | | 3,680.7661 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

3.3 Grinding Machine Operations - 2021

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.4627 | 2.0051 | 16.9659 | 0.0377 | | 0.0617 | 0.0617 | | 0.0617 | 0.0617 | 0.0000 | 3,651.2439 | 3,651.2439 | 1.1809 | | 3,680.7661 |
| Total | 0.4627 | 2.0051 | 16.9659 | 0.0377 | | 0.0617 | 0.0617 | | 0.0617 | 0.0617 | 0.0000 | 3,651.2439 | 3,651.2439 | 1.1809 | | 3,680.7661 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

4.0 Operational Detail - Mobile

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

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 Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.503470 | 0.043416 | 0.226017 | 0.144790 | 0.038824 | 0.007695 | 0.015319 | 0.009013 | 0.001565 | 0.001250 | 0.005814 | 0.000843 | 0.001986 |
| Parking Lot | 0.503470 | 0.043416 | 0.226017 | 0.144790 | 0.038824 | 0.007695 | 0.015319 | 0.009013 | 0.001565 | 0.001250 | 0.005814 | 0.000843 | 0.001986 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |
| NaturalGas Unmitigated | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 1047.49 | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |
| 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 |
| Total | | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 1.04749 | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |
| 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 |
| Total | | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 2.7591 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |
| Unmitigated | 2.7591 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.4178 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.3397 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.6300e-003 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |
| Total | 2.7591 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |

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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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.4178 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.3397 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.6300e-003 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |
| Total | 2.7591 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|------------------------------------|--------|-----------|-----------|-------------|-------------|------------|
| Other General Industrial Equipment | 1 | 4.00 | 264 | 552 | 0.40 | Electrical |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

UnMitigated/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 |
|------------------------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Other General Industrial Equipment | 0.3232 | 2.7001 | 2.8487 | 9.5300e-003 | | 0.1059 | 0.1059 | | 0.0974 | 0.0974 | | 921.8921 | 921.8921 | 0.2982 | | 929.3461 |
| Total | 0.3232 | 2.7001 | 2.8487 | 9.5300e-003 | | 0.1059 | 0.1059 | | 0.0974 | 0.0974 | | 921.8921 | 921.8921 | 0.2982 | | 929.3461 |

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

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

3390.0003 Phase 3 Operations
El Dorado-Mountain County County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|--------|----------|-------------|--------------------|------------|
| General Light Industry | 108.93 | 1000sqft | 9.63 | 108,927.00 | 0 |
| Parking Lot | 61.00 | Space | 0.55 | 24,400.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|--------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2021 |
| 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

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

Project Characteristics - .

Land Use - Total lot acreage:10.18

Construction Phase - Long term operations: use of a grinding machine (Terminator 6000S Low Speed Mobile Shredder); equipment modeled in construction run to incorporate tier 4 final mitigation

Off-road Equipment - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Off-road Equipment - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Trips and VMT - Operations only

On-road Fugitive Dust - Operations only

Architectural Coating - Operations only

Vehicle Trips - No increase in existing site mobile trips

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Operational Off-Road Equipment - New single stream plant includes drum feeder, steel pan belt, feed and belt conveyors, transfer slider beds, small and large trammels, glass breakers, drum magnet, drum magnet pan feeder, ballistic screens, storage silos, dual ram baler, and more.

Fleet Mix -

| Table Name | Column Name | Default Value | New Value |
|-------------------------|-----------------------------------|---------------|-----------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 54,464.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 163,391.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Parking | 1,464.00 | 0.00 |
| tblArchitecturalCoating | EF_Parking | 250.00 | 0.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 150 |

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| | | | |
|-------------------------|---------------------------------|-------------|--------------|
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 150 |
| tblAreaCoating | Area_EF_Parking | 250 | 150 |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0 | 0.5 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 40 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstructionPhase | NumDays | 20.00 | 1.00 |
| tblConstructionPhase | NumDays | 300.00 | 261.00 |
| tblFleetMix | HHD | 9.4210e-003 | 9.0130e-003 |
| tblFleetMix | HHD | 9.4210e-003 | 9.0130e-003 |
| tblFleetMix | LDA | 0.52 | 0.50 |
| tblFleetMix | LDA | 0.52 | 0.50 |
| tblFleetMix | LDT1 | 0.04 | 0.04 |
| tblFleetMix | LDT1 | 0.04 | 0.04 |
| tblFleetMix | LDT2 | 0.23 | 0.23 |
| tblFleetMix | LDT2 | 0.23 | 0.23 |
| tblFleetMix | LHD1 | 0.03 | 0.04 |
| tblFleetMix | LHD1 | 0.03 | 0.04 |
| tblFleetMix | LHD2 | 6.6630e-003 | 7.6950e-003 |
| tblFleetMix | LHD2 | 6.6630e-003 | 7.6950e-003 |
| tblFleetMix | MCY | 5.4760e-003 | 5.8140e-003 |
| tblFleetMix | MCY | 5.4760e-003 | 5.8140e-003 |
| tblFleetMix | MDV | 0.14 | 0.14 |
| tblFleetMix | MDV | 0.14 | 0.14 |
| tblFleetMix | MH | 1.6340e-003 | 1.9860e-003 |
| tblFleetMix | MH | 1.6340e-003 | 1.9860e-003 |
| tblFleetMix | MHD | 0.02 | 0.02 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

| | | | |
|--------------------------------|----------------------------|-------------|-------------|
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | OBUS | 1.5930e-003 | 1.5650e-003 |
| tblFleetMix | OBUS | 1.5930e-003 | 1.5650e-003 |
| tblFleetMix | SBUS | 8.1300e-004 | 8.4300e-004 |
| tblFleetMix | SBUS | 8.1300e-004 | 8.4300e-004 |
| tblFleetMix | UBUS | 1.1710e-003 | 1.2500e-003 |
| tblFleetMix | UBUS | 1.1710e-003 | 1.2500e-003 |
| tblLandUse | LandUseSquareFeet | 108,930.00 | 108,927.00 |
| tblLandUse | LotAcreage | 2.50 | 9.63 |
| tblOffRoadEquipment | HorsePower | 88.00 | 583.00 |
| tblOffRoadEquipment | LoadFactor | 0.34 | 0.75 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 8.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 6.00 |
| tblOnRoadDust | HaulingPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | HaulingPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | VendorPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | VendorPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | WorkerPercentPave | 100.00 | 0.00 |
| tblOnRoadDust | WorkerPercentPave | 100.00 | 0.00 |
| tblOperationalOffRoadEquipment | OperDaysPerYear | 260.00 | 264.00 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

| | | | |
|--------------------------------|----------------------------|--------|------------|
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperHorsePower | 88.00 | 552.00 |
| tblOperationalOffRoadEquipment | OperHoursPerDay | 8.00 | 4.00 |
| tblOperationalOffRoadEquipment | OperLoadFactor | 0.34 | 0.40 |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 1.00 |
| tblTripsAndVMT | VendorTripNumber | 22.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 11.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 56.00 | 0.00 |
| tblVehicleTrips | ST_TR | 1.32 | 0.00 |
| tblVehicleTrips | SU_TR | 0.68 | 0.00 |
| tblVehicleTrips | WD_TR | 6.97 | 0.00 |

2.0 Emissions Summary

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 1.2801 | 10.6941 | 11.2827 | 0.0377 | 0.0000 | 0.4193 | 0.4193 | 0.0000 | 0.3858 | 0.3858 | 0.0000 | 3,651.2439 | 3,651.2439 | 1.1809 | 0.0000 | 3,680.7661 |
| Maximum | 1.2801 | 10.6941 | 11.2827 | 0.0377 | 0.0000 | 0.4193 | 0.4193 | 0.0000 | 0.3858 | 0.3858 | 0.0000 | 3,651.2439 | 3,651.2439 | 1.1809 | 0.0000 | 3,680.7661 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2020 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2021 | 0.4627 | 2.0051 | 16.9659 | 0.0377 | 0.0000 | 0.0617 | 0.0617 | 0.0000 | 0.0617 | 0.0617 | 0.0000 | 3,651.2439 | 3,651.2439 | 1.1809 | 0.0000 | 3,680.7661 |
| Maximum | 0.4627 | 2.0051 | 16.9659 | 0.0377 | 0.0000 | 0.0617 | 0.0617 | 0.0000 | 0.0617 | 0.0617 | 0.0000 | 3,651.2439 | 3,651.2439 | 1.1809 | 0.0000 | 3,680.7661 |

| | ROG | NOx | CO | SO2 | 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 | 63.85 | 81.25 | -50.37 | 0.00 | 0.00 | 85.29 | 85.29 | 0.00 | 84.01 | 84.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.7591 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |
| Energy | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Offroad | 0.3232 | 2.7001 | 2.8487 | 9.5300e-003 | | 0.1059 | 0.1059 | | 0.0974 | 0.0974 | | 921.8921 | 921.8921 | 0.2982 | | 929.3461 |
| Total | 3.0936 | 2.8030 | 2.9524 | 0.0102 | 0.0000 | 0.1137 | 0.1137 | 0.0000 | 0.1053 | 0.1053 | | 1,045.1634 | 1,045.1634 | 0.3006 | 2.2600e-003 | 1,053.3522 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.7591 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |
| Energy | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Offroad | 0.3232 | 2.7001 | 2.8487 | 9.5300e-003 | | 0.1059 | 0.1059 | | 0.0974 | 0.0974 | | 921.8921 | 921.8921 | 0.2982 | | 929.3461 |
| Total | 3.0936 | 2.8030 | 2.9524 | 0.0102 | 0.0000 | 0.1137 | 0.1137 | 0.0000 | 0.1053 | 0.1053 | | 1,045.1634 | 1,045.1634 | 0.3006 | 2.2600e-003 | 1,053.3522 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Architectural Coating | Architectural Coating | 2/25/2020 | 3/23/2020 | 5 | 1 | |
| 2 | Grinding Machine Operations | Building Construction | 1/1/2021 | 12/31/2021 | 5 | 261 | |

Acres of Grading (Site Preparation Phase): 0

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

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

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------------|------------------------------------|--------|-------------|-------------|-------------|
| Grinding Machine Operations | Cranes | 0 | 8.00 | 231 | 0.29 |
| Grinding Machine Operations | Forklifts | 0 | 7.00 | 89 | 0.20 |
| Grinding Machine Operations | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Grinding Machine Operations | Other General Industrial Equipment | 1 | 8.00 | 583 | 0.75 |
| Grinding Machine Operations | Tractors/Loaders/Backhoes | 0 | 6.00 | 97 | 0.37 |
| Grinding Machine Operations | Welders | 0 | 8.00 | 46 | 0.45 |
| Architectural Coating | Air Compressors | 0 | 6.00 | 78 | 0.48 |

Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Grinding Machine Operations | 1 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 0 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

3.2 Architectural Coating - 2020

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

3.3 Grinding Machine Operations - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.2801 | 10.6941 | 11.2827 | 0.0377 | | 0.4193 | 0.4193 | | 0.3858 | 0.3858 | | 3,651.2439 | 3,651.2439 | 1.1809 | | 3,680.7661 |
| Total | 1.2801 | 10.6941 | 11.2827 | 0.0377 | | 0.4193 | 0.4193 | | 0.3858 | 0.3858 | | 3,651.2439 | 3,651.2439 | 1.1809 | | 3,680.7661 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

3.3 Grinding Machine Operations - 2021

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.4627 | 2.0051 | 16.9659 | 0.0377 | | 0.0617 | 0.0617 | | 0.0617 | 0.0617 | 0.0000 | 3,651.2439 | 3,651.2439 | 1.1809 | | 3,680.7661 |
| Total | 0.4627 | 2.0051 | 16.9659 | 0.0377 | | 0.0617 | 0.0617 | | 0.0617 | 0.0617 | 0.0000 | 3,651.2439 | 3,651.2439 | 1.1809 | | 3,680.7661 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|-----|---------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0000 | 0.0000 | 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

4.0 Operational Detail - Mobile

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

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 Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.503470 | 0.043416 | 0.226017 | 0.144790 | 0.038824 | 0.007695 | 0.015319 | 0.009013 | 0.001565 | 0.001250 | 0.005814 | 0.000843 | 0.001986 |
| Parking Lot | 0.503470 | 0.043416 | 0.226017 | 0.144790 | 0.038824 | 0.007695 | 0.015319 | 0.009013 | 0.001565 | 0.001250 | 0.005814 | 0.000843 | 0.001986 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |
| NaturalGas Unmitigated | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 1047.49 | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |
| 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 |
| Total | | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 1.04749 | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |
| 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 |
| Total | | 0.0113 | 0.1027 | 0.0863 | 6.2000e-004 | | 7.8000e-003 | 7.8000e-003 | | 7.8000e-003 | 7.8000e-003 | | 123.2341 | 123.2341 | 2.3600e-003 | 2.2600e-003 | 123.9664 |

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 2.7591 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |
| Unmitigated | 2.7591 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.4178 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.3397 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.6300e-003 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |
| Total | 2.7591 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |

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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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.4178 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.3397 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.6300e-003 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |
| Total | 2.7591 | 1.6000e-004 | 0.0174 | 0.0000 | | 6.0000e-005 | 6.0000e-005 | | 6.0000e-005 | 6.0000e-005 | | 0.0372 | 0.0372 | 1.0000e-004 | | 0.0397 |

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|------------------------------------|--------|-----------|-----------|-------------|-------------|------------|
| Other General Industrial Equipment | 1 | 4.00 | 264 | 552 | 0.40 | Electrical |

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UnMitigated/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 |
|------------------------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Other General Industrial Equipment | 0.3232 | 2.7001 | 2.8487 | 9.5300e-003 | | 0.1059 | 0.1059 | | 0.0974 | 0.0974 | | 921.8921 | 921.8921 | 0.2982 | | 929.3461 |
| Total | 0.3232 | 2.7001 | 2.8487 | 9.5300e-003 | | 0.1059 | 0.1059 | | 0.0974 | 0.0974 | | 921.8921 | 921.8921 | 0.2982 | | 929.3461 |

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

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El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|----------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 23.00 | 1000sqft | 0.53 | 23,000.00 | 0 |
| Other Non-Asphalt Surfaces | 4.00 | 1000sqft | 4.47 | 4,000.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2018 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - .

Land Use - Total site approximately 5 acres; Other asphalt surfaces=paving; Other nonasphalt surfaces=temporary concrete pad

Construction Phase - Construction expected to take 20 working days; Temporary site construction to coincide with the start of existing site Phase 1 construction

Off-road Equipment -

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Trips and VMT - 20 CY truck capacity

Grading - Project total acreage: 5 acres

Vehicle Trips - Based on information provided by the applicant and the Wetsel Facilities Report (Table 2). Trip percentages based on CalEEMod general light industrial defaults.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Construction Off-road Equipment Mitigation - All construction equipment (except for rubber tired dozers) shall be Tier 3 or higher; All rubber tired dozers shall be Tier 4 Final

Operational Off-Road Equipment - .

Fleet Mix - Based on information provided by the client. Other asphalt: diverted and new truck trips. Non-asphalt: weighted default fleet mix for visitor and employees.

Stationary Sources - Emergency Generators and Fire Pumps -

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblAreaCoating | Area_EF_Parking | 250 | 150 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |

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| | | | |
|-------------------------|----------------------------|-------------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 230.00 | 5.00 |
| tblConstructionPhase | NumDays | 8.00 | 5.00 |
| tblConstructionPhase | NumDays | 18.00 | 5.00 |
| tblFleetMix | HHD | 8.7420e-003 | 0.00 |
| tblFleetMix | HHD | 8.7420e-003 | 0.00 |
| tblFleetMix | LDA | 0.49 | 0.00 |
| tblFleetMix | LDA | 0.49 | 0.54 |
| tblFleetMix | LDT1 | 0.05 | 0.00 |
| tblFleetMix | LDT1 | 0.05 | 0.05 |
| tblFleetMix | LDT2 | 0.23 | 0.00 |
| tblFleetMix | LDT2 | 0.23 | 0.25 |
| tblFleetMix | LHD1 | 0.04 | 0.00 |
| tblFleetMix | LHD1 | 0.04 | 0.00 |
| tblFleetMix | LHD2 | 8.2960e-003 | 0.17 |
| tblFleetMix | LHD2 | 8.2960e-003 | 0.00 |
| tblFleetMix | MCY | 6.0010e-003 | 0.00 |

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| | | | |
|---------------------|------------------|-------------|--------|
| tblFleetMix | MCY | 6.0010e-003 | 0.00 |
| tblFleetMix | MDV | 0.15 | 0.00 |
| tblFleetMix | MDV | 0.15 | 0.16 |
| tblFleetMix | MH | 2.1880e-003 | 0.00 |
| tblFleetMix | MH | 2.1880e-003 | 0.00 |
| tblFleetMix | MHD | 0.01 | 0.83 |
| tblFleetMix | MHD | 0.01 | 0.00 |
| tblFleetMix | OBUS | 1.5500e-003 | 0.00 |
| tblFleetMix | OBUS | 1.5500e-003 | 0.00 |
| tblFleetMix | SBUS | 8.6300e-004 | 0.00 |
| tblFleetMix | SBUS | 8.6300e-004 | 0.00 |
| tblFleetMix | UBUS | 1.3400e-003 | 0.00 |
| tblFleetMix | UBUS | 1.3400e-003 | 0.00 |
| tblGrading | AcresOfGrading | 0.00 | 5.00 |
| tblGrading | AcresOfGrading | 0.00 | 5.00 |
| tblGrading | MaterialImported | 0.00 | 700.00 |
| tblLandUse | LotAcreage | 0.09 | 4.47 |
| tblOffRoadEquipment | HorsePower | 158.00 | 316.00 |
| tblOffRoadEquipment | HorsePower | 132.00 | 100.00 |
| tblOffRoadEquipment | HorsePower | 80.00 | 107.00 |
| tblOffRoadEquipment | HorsePower | 247.00 | 150.00 |
| tblOffRoadEquipment | HorsePower | 247.00 | 150.00 |
| tblOffRoadEquipment | HorsePower | 97.00 | 96.00 |
| tblOffRoadEquipment | HorsePower | 97.00 | 96.00 |
| tblOffRoadEquipment | HorsePower | 97.00 | 96.00 |
| tblOffRoadEquipment | HorsePower | 158.00 | 316.00 |
| tblOffRoadEquipment | HorsePower | 158.00 | 316.00 |

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| | | | |
|---------------------|------------|--------|--------|
| tbloffRoadEquipment | HorsePower | 158.00 | 316.00 |
| tbloffRoadEquipment | HorsePower | 402.00 | 453.00 |
| tbloffRoadEquipment | HorsePower | 402.00 | 453.00 |
| tbloffRoadEquipment | HorsePower | 402.00 | 453.00 |
| tbloffRoadEquipment | HorsePower | 402.00 | 453.00 |
| tbloffRoadEquipment | HorsePower | 132.00 | 100.00 |
| tbloffRoadEquipment | HorsePower | 132.00 | 100.00 |
| tbloffRoadEquipment | HorsePower | 132.00 | 100.00 |
| tbloffRoadEquipment | HorsePower | 8.00 | 160.00 |
| tbloffRoadEquipment | HorsePower | 8.00 | 160.00 |
| tbloffRoadEquipment | HorsePower | 8.00 | 160.00 |
| tbloffRoadEquipment | HorsePower | 8.00 | 160.00 |
| tbloffRoadEquipment | HorsePower | 80.00 | 107.00 |
| tbloffRoadEquipment | HorsePower | 80.00 | 107.00 |
| tbloffRoadEquipment | HorsePower | 80.00 | 107.00 |
| tbloffRoadEquipment | HorsePower | 247.00 | 150.00 |
| tbloffRoadEquipment | HorsePower | 247.00 | 150.00 |
| tbloffRoadEquipment | HorsePower | 97.00 | 96.00 |
| tbloffRoadEquipment | LoadFactor | 0.36 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.40 | 0.43 |
| tbloffRoadEquipment | LoadFactor | 0.40 | 0.43 |
| tbloffRoadEquipment | LoadFactor | 0.36 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.36 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.36 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.43 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.43 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.43 | 0.38 |

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| | | | |
|---------------------|----------------------------|-------|--------|
| tblOffRoadEquipment | LoadFactor | 0.43 | 0.38 |
| tblOffRoadEquipment | LoadFactor | 0.40 | 0.43 |
| tblOffRoadEquipment | LoadFactor | 0.40 | 0.43 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblTripsAndVMT | HaulingTripNumber | 69.00 | 70.00 |
| tblTripsAndVMT | WorkerTripNumber | 18.00 | 13.00 |
| tblVehicleTrips | CC_TL | 7.30 | 0.00 |
| tblVehicleTrips | CC_TTP | 0.00 | 28.00 |
| tblVehicleTrips | CNW_TL | 7.30 | 0.00 |
| tblVehicleTrips | CNW_TTP | 0.00 | 13.00 |
| tblVehicleTrips | CW_TL | 9.50 | 2.98 |
| tblVehicleTrips | CW_TTP | 0.00 | 100.00 |
| tblVehicleTrips | CW_TTP | 0.00 | 59.00 |

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| | | | |
|-----------------|-------|------|--------|
| tblVehicleTrips | DV_TP | 0.00 | 5.00 |
| tblVehicleTrips | PB_TP | 0.00 | 3.00 |
| tblVehicleTrips | PR_TP | 0.00 | 100.00 |
| tblVehicleTrips | PR_TP | 0.00 | 92.00 |
| tblVehicleTrips | ST_TR | 0.00 | 1.52 |
| tblVehicleTrips | ST_TR | 0.00 | 5.00 |
| tblVehicleTrips | SU_TR | 0.00 | 1.52 |
| tblVehicleTrips | SU_TR | 0.00 | 5.00 |
| tblVehicleTrips | WD_TR | 0.00 | 1.52 |
| tblVehicleTrips | WD_TR | 0.00 | 5.00 |

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 | | | | | |
| 2018 | 0.0314 | 0.3196 | 0.1894 | 4.4000e-004 | 0.0372 | 0.0154 | 0.0527 | 0.0176 | 0.0142 | 0.0318 | 0.0000 | 39.8180 | 39.8180 | 0.0112 | 0.0000 | 40.0980 |
| Maximum | 0.0314 | 0.3196 | 0.1894 | 4.4000e-004 | 0.0372 | 0.0154 | 0.0527 | 0.0176 | 0.0142 | 0.0318 | 0.0000 | 39.8180 | 39.8180 | 0.0112 | 0.0000 | 40.0980 |

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 | | | | | |
| 2018 | 0.0110 | 0.1852 | 0.2499 | 4.4000e-004 | 0.0156 | 8.0200e-003 | 0.0237 | 7.1700e-003 | 8.0100e-003 | 0.0152 | 0.0000 | 39.8180 | 39.8180 | 0.0112 | 0.0000 | 40.0980 |
| Maximum | 0.0110 | 0.1852 | 0.2499 | 4.4000e-004 | 0.0156 | 8.0200e-003 | 0.0237 | 7.1700e-003 | 8.0100e-003 | 0.0152 | 0.0000 | 39.8180 | 39.8180 | 0.0112 | 0.0000 | 40.0980 |

| | ROG | NOx | CO | SO2 | 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 | 65.02 | 42.04 | -31.96 | 0.00 | 58.00 | 48.06 | 55.09 | 59.31 | 43.63 | 52.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1 | 6-1-2018 | 8-31-2018 | 0.3505 | 0.1957 |
| | | Highest | 0.3505 | 0.1957 |

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 | 2.3300e-003 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.2000e-004 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0277 | 0.3457 | 0.2878 | 7.3000e-004 | 0.0388 | 4.3300e-003 | 0.0432 | 0.0109 | 4.1400e-003 | 0.0151 | 0.0000 | 67.4770 | 67.4770 | 2.7400e-003 | 0.0000 | 67.5456 |
| Stationary | 0.2048 | 0.6678 | 0.7431 | 9.8000e-004 | | 0.0301 | 0.0301 | | 0.0301 | 0.0301 | 0.0000 | 95.0470 | 95.0470 | 0.0133 | 0.0000 | 95.3801 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.2348 | 1.0135 | 1.0312 | 1.7100e-003 | 0.0388 | 0.0345 | 0.0733 | 0.0109 | 0.0343 | 0.0452 | 0.0000 | 162.5245 | 162.5245 | 0.0161 | 0.0000 | 162.9262 |

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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 | 2.3300e-003 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.2000e-004 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0277 | 0.3457 | 0.2878 | 7.3000e-004 | 0.0388 | 4.3300e-003 | 0.0432 | 0.0109 | 4.1400e-003 | 0.0151 | 0.0000 | 67.4770 | 67.4770 | 2.7400e-003 | 0.0000 | 67.5456 |
| Stationary | 0.2048 | 0.6678 | 0.7431 | 9.8000e-004 | | 0.0301 | 0.0301 | | 0.0301 | 0.0301 | 0.0000 | 95.0470 | 95.0470 | 0.0133 | 0.0000 | 95.3801 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.2348 | 1.0135 | 1.0312 | 1.7100e-003 | 0.0388 | 0.0345 | 0.0733 | 0.0109 | 0.0343 | 0.0452 | 0.0000 | 162.5245 | 162.5245 | 0.0161 | 0.0000 | 162.9262 |

| | ROG | NOx | CO | SO2 | 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 | Site Preparation | Site Preparation | 6/1/2018 | 6/7/2018 | 5 | 5 | |
| 2 | Grading | Grading | 6/8/2018 | 6/14/2018 | 5 | 5 | |
| 3 | Building Construction | Building Construction | 6/15/2018 | 6/21/2018 | 5 | 5 | |
| 4 | Paving | Paving | 6/22/2018 | 6/28/2018 | 5 | 5 | |

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 5

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

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|------------------|---------------------------|--------|-------------|-------------|-------------|
| Site Preparation | Excavators | 1 | 8.00 | 316 | 0.38 |
| Site Preparation | Off-Highway Trucks | 1 | 8.00 | 453 | 0.38 |
| Site Preparation | Paving Equipment | 1 | 8.00 | 100 | 0.38 |
| Site Preparation | Plate Compactors | 1 | 8.00 | 160 | 0.38 |
| Site Preparation | Rollers | 1 | 8.00 | 107 | 0.38 |
| Site Preparation | Rubber Tired Dozers | 1 | 8.00 | 150 | 0.43 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 4.00 | 96 | 0.37 |
| Grading | Excavators | 1 | 8.00 | 316 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Off-Highway Trucks | 1 | 8.00 | 453 | 0.38 |
| Grading | Paving Equipment | 1 | 8.00 | 100 | 0.38 |
| Grading | Plate Compactors | 1 | 8.00 | 160 | 0.38 |

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| | | | | | |
|-----------------------|---------------------------|---|------|-----|------|
| Grading | Rollers | 1 | 8.00 | 107 | 0.38 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 150 | 0.43 |
| Grading | Tractors/Loaders/Backhoes | 1 | 4.00 | 96 | 0.37 |
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Excavators | 1 | 8.00 | 316 | 0.38 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |
| Building Construction | Off-Highway Trucks | 1 | 8.00 | 453 | 0.38 |
| Building Construction | Paving Equipment | 1 | 8.00 | 100 | 0.38 |
| Building Construction | Plate Compactors | 1 | 8.00 | 160 | 0.38 |
| Building Construction | Rollers | 1 | 8.00 | 107 | 0.38 |
| Building Construction | Rubber Tired Dozers | 1 | 8.00 | 150 | 0.43 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 4.00 | 96 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Excavators | 1 | 8.00 | 316 | 0.38 |
| Paving | Off-Highway Trucks | 1 | 8.00 | 453 | 0.38 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 1 | 8.00 | 100 | 0.38 |
| Paving | Plate Compactors | 1 | 8.00 | 160 | 0.38 |
| Paving | Rollers | 1 | 8.00 | 107 | 0.38 |
| Paving | Rubber Tired Dozers | 1 | 8.00 | 150 | 0.43 |
| Paving | Tractors/Loaders/Backhoes | 1 | 4.00 | 96 | 0.37 |

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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 7 | 13.00 | 0.00 | 70.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 7 | 11.00 | 4.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2018

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 | | | | | 0.0177 | 0.0000 | 0.0177 | 8.5600e-003 | 0.0000 | 8.5600e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 7.3300e-003 | 0.0759 | 0.0446 | 1.0000e-004 | | 3.8300e-003 | 3.8300e-003 | | 3.5200e-003 | 3.5200e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9844 |
| Total | 7.3300e-003 | 0.0759 | 0.0446 | 1.0000e-004 | 0.0177 | 3.8300e-003 | 0.0215 | 8.5600e-003 | 3.5200e-003 | 0.0121 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9844 |

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3.2 Site Preparation - 2018

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.6000e-004 | 1.8000e-004 | 1.8800e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3406 | 0.3406 | 1.0000e-005 | 0.0000 | 0.3409 |
| Total | 2.6000e-004 | 1.8000e-004 | 1.8800e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3406 | 0.3406 | 1.0000e-005 | 0.0000 | 0.3409 |

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 | | | | | 6.9100e-003 | 0.0000 | 6.9100e-003 | 3.3400e-003 | 0.0000 | 3.3400e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.2300e-003 | 0.0423 | 0.0598 | 1.0000e-004 | | 1.9700e-003 | 1.9700e-003 | | 1.9700e-003 | 1.9700e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9843 |
| Total | 2.2300e-003 | 0.0423 | 0.0598 | 1.0000e-004 | 6.9100e-003 | 1.9700e-003 | 8.8800e-003 | 3.3400e-003 | 1.9700e-003 | 5.3100e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9843 |

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3.2 Site Preparation - 2018

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.6000e-004 | 1.8000e-004 | 1.8800e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3406 | 0.3406 | 1.0000e-005 | 0.0000 | 0.3409 |
| Total | 2.6000e-004 | 1.8000e-004 | 1.8800e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3406 | 0.3406 | 1.0000e-005 | 0.0000 | 0.3409 |

3.3 Grading - 2018

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 | | | | | 0.0177 | 0.0000 | 0.0177 | 8.5600e-003 | 0.0000 | 8.5600e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 7.3300e-003 | 0.0759 | 0.0446 | 1.0000e-004 | | 3.8300e-003 | 3.8300e-003 | | 3.5200e-003 | 3.5200e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9844 |
| Total | 7.3300e-003 | 0.0759 | 0.0446 | 1.0000e-004 | 0.0177 | 3.8300e-003 | 0.0215 | 8.5600e-003 | 3.5200e-003 | 0.0121 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9844 |

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3.3 Grading - 2018

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 | 4.3000e-004 | 0.0140 | 4.1000e-003 | 3.0000e-005 | 5.8000e-004 | 1.0000e-004 | 6.8000e-004 | 1.6000e-004 | 1.0000e-004 | 2.6000e-004 | 0.0000 | 2.7655 | 2.7655 | 5.0000e-005 | 0.0000 | 2.7667 |
| 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 | 1.3000e-004 | 1.3600e-003 | 0.0000 | 2.6000e-004 | 0.0000 | 2.6000e-004 | 7.0000e-005 | 0.0000 | 7.0000e-005 | 0.0000 | 0.2460 | 0.2460 | 1.0000e-005 | 0.0000 | 0.2462 |
| Total | 6.2000e-004 | 0.0141 | 5.4600e-003 | 3.0000e-005 | 8.4000e-004 | 1.0000e-004 | 9.4000e-004 | 2.3000e-004 | 1.0000e-004 | 3.3000e-004 | 0.0000 | 3.0115 | 3.0115 | 6.0000e-005 | 0.0000 | 3.0129 |

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 | | | | | 6.9100e-003 | 0.0000 | 6.9100e-003 | 3.3400e-003 | 0.0000 | 3.3400e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.2300e-003 | 0.0423 | 0.0598 | 1.0000e-004 | | 1.9700e-003 | 1.9700e-003 | | 1.9700e-003 | 1.9700e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9843 |
| Total | 2.2300e-003 | 0.0423 | 0.0598 | 1.0000e-004 | 6.9100e-003 | 1.9700e-003 | 8.8800e-003 | 3.3400e-003 | 1.9700e-003 | 5.3100e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9843 |

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3.3 Grading - 2018

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 | 4.3000e-004 | 0.0140 | 4.1000e-003 | 3.0000e-005 | 5.8000e-004 | 1.0000e-004 | 6.8000e-004 | 1.6000e-004 | 1.0000e-004 | 2.6000e-004 | 0.0000 | 2.7655 | 2.7655 | 5.0000e-005 | 0.0000 | 2.7667 |
| 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 | 1.3000e-004 | 1.3600e-003 | 0.0000 | 2.6000e-004 | 0.0000 | 2.6000e-004 | 7.0000e-005 | 0.0000 | 7.0000e-005 | 0.0000 | 0.2460 | 0.2460 | 1.0000e-005 | 0.0000 | 0.2462 |
| Total | 6.2000e-004 | 0.0141 | 5.4600e-003 | 3.0000e-005 | 8.4000e-004 | 1.0000e-004 | 9.4000e-004 | 2.3000e-004 | 1.0000e-004 | 3.3000e-004 | 0.0000 | 3.0115 | 3.0115 | 6.0000e-005 | 0.0000 | 3.0129 |

3.4 Building Construction - 2018

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 | 7.3300e-003 | 0.0759 | 0.0446 | 1.0000e-004 | | 3.8300e-003 | 3.8300e-003 | | 3.5200e-003 | 3.5200e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9844 |
| Total | 7.3300e-003 | 0.0759 | 0.0446 | 1.0000e-004 | | 3.8300e-003 | 3.8300e-003 | | 3.5200e-003 | 3.5200e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9844 |

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3.4 Building Construction - 2018

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 | 6.0000e-005 | 1.5000e-003 | 5.4000e-004 | 0.0000 | 6.0000e-005 | 2.0000e-005 | 8.0000e-005 | 2.0000e-005 | 1.0000e-005 | 3.0000e-005 | 0.0000 | 0.2574 | 0.2574 | 1.0000e-005 | 0.0000 | 0.2576 |
| Worker | 1.6000e-004 | 1.1000e-004 | 1.1500e-003 | 0.0000 | 2.2000e-004 | 0.0000 | 2.2000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.2081 | 0.2081 | 1.0000e-005 | 0.0000 | 0.2083 |
| Total | 2.2000e-004 | 1.6100e-003 | 1.6900e-003 | 0.0000 | 2.8000e-004 | 2.0000e-005 | 3.0000e-004 | 8.0000e-005 | 1.0000e-005 | 9.0000e-005 | 0.0000 | 0.4655 | 0.4655 | 2.0000e-005 | 0.0000 | 0.4659 |

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 | 2.2300e-003 | 0.0423 | 0.0598 | 1.0000e-004 | | 1.9700e-003 | 1.9700e-003 | | 1.9700e-003 | 1.9700e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9843 |
| Total | 2.2300e-003 | 0.0423 | 0.0598 | 1.0000e-004 | | 1.9700e-003 | 1.9700e-003 | | 1.9700e-003 | 1.9700e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9843 |

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3.4 Building Construction - 2018

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 | 6.0000e-005 | 1.5000e-003 | 5.4000e-004 | 0.0000 | 6.0000e-005 | 2.0000e-005 | 8.0000e-005 | 2.0000e-005 | 1.0000e-005 | 3.0000e-005 | 0.0000 | 0.2574 | 0.2574 | 1.0000e-005 | 0.0000 | 0.2576 |
| Worker | 1.6000e-004 | 1.1000e-004 | 1.1500e-003 | 0.0000 | 2.2000e-004 | 0.0000 | 2.2000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.2081 | 0.2081 | 1.0000e-005 | 0.0000 | 0.2083 |
| Total | 2.2000e-004 | 1.6100e-003 | 1.6900e-003 | 0.0000 | 2.8000e-004 | 2.0000e-005 | 3.0000e-004 | 8.0000e-005 | 1.0000e-005 | 9.0000e-005 | 0.0000 | 0.4655 | 0.4655 | 2.0000e-005 | 0.0000 | 0.4659 |

3.5 Paving - 2018

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 | 7.3300e-003 | 0.0759 | 0.0446 | 1.0000e-004 | | 3.8300e-003 | 3.8300e-003 | | 3.5200e-003 | 3.5200e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9844 |
| Paving | 6.9000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 8.0200e-003 | 0.0759 | 0.0446 | 1.0000e-004 | | 3.8300e-003 | 3.8300e-003 | | 3.5200e-003 | 3.5200e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9844 |

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3.5 Paving - 2018

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.6000e-004 | 1.8000e-004 | 1.8800e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3406 | 0.3406 | 1.0000e-005 | 0.0000 | 0.3409 |
| Total | 2.6000e-004 | 1.8000e-004 | 1.8800e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3406 | 0.3406 | 1.0000e-005 | 0.0000 | 0.3409 |

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 | 2.2300e-003 | 0.0423 | 0.0598 | 1.0000e-004 | | 1.9700e-003 | 1.9700e-003 | | 1.9700e-003 | 1.9700e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9843 |
| Paving | 6.9000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 2.9200e-003 | 0.0423 | 0.0598 | 1.0000e-004 | | 1.9700e-003 | 1.9700e-003 | | 1.9700e-003 | 1.9700e-003 | 0.0000 | 8.9150 | 8.9150 | 2.7800e-003 | 0.0000 | 8.9843 |

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3.5 Paving - 2018

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.6000e-004 | 1.8000e-004 | 1.8800e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3406 | 0.3406 | 1.0000e-005 | 0.0000 | 0.3409 |
| Total | 2.6000e-004 | 1.8000e-004 | 1.8800e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3406 | 0.3406 | 1.0000e-005 | 0.0000 | 0.3409 |

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 | 0.0277 | 0.3457 | 0.2878 | 7.3000e-004 | 0.0388 | 4.3300e-003 | 0.0432 | 0.0109 | 4.1400e-003 | 0.0151 | 0.0000 | 67.4770 | 67.4770 | 2.7400e-003 | 0.0000 | 67.5456 |
| Unmitigated | 0.0277 | 0.3457 | 0.2878 | 7.3000e-004 | 0.0388 | 4.3300e-003 | 0.0432 | 0.0109 | 4.1400e-003 | 0.0151 | 0.0000 | 67.4770 | 67.4770 | 2.7400e-003 | 0.0000 | 67.5456 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Other Asphalt Surfaces | 34.96 | 34.96 | 34.96 | 37,922 | 37,922 |
| Other Non-Asphalt Surfaces | 20.00 | 20.00 | 20.00 | 58,390 | 58,390 |
| Total | 54.96 | 54.96 | 54.96 | 96,312 | 96,312 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Other Asphalt Surfaces | 2.98 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 100 | 0 | 0 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Asphalt Surfaces | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.171400 | 0.828600 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Other Non-Asphalt Surfaces | 0.539335 | 0.049896 | 0.247555 | 0.163213 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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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 | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|---------------|---------------|---------------|---------------|
| Land Use | kWh/yr | MT/yr | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 | 2.3300e-003 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.2000e-004 |
| Unmitigated | 2.3300e-003 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.2000e-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 | 5.6000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 1.7500e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.2000e-004 |
| Total | 2.3300e-003 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.2000e-004 |

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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 | 5.6000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 1.7500e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.2000e-004 |
| Total | 2.3300e-003 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.2000e-004 |

7.0 Water Detail

7.1 Mitigation Measures Water

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| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|--------|
| Category | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------------|---------------|---------------|---------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------------|---------------|---------------|---------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

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8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|---------------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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 |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 1 | 10 | 3120 | 80 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

10.1 Stationary Sources

Unmitigated/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 |
|--|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Equipment Type | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Emergency Generator - Diesel (75 - 100 HP) | 0.2048 | 0.6678 | 0.7431 | 9.8000e-004 | | 0.0301 | 0.0301 | | 0.0301 | 0.0301 | 0.0000 | 95.0470 | 95.0470 | 0.0133 | 0.0000 | 95.3801 |
| Total | 0.2048 | 0.6678 | 0.7431 | 9.8000e-004 | | 0.0301 | 0.0301 | | 0.0301 | 0.0301 | 0.0000 | 95.0470 | 95.0470 | 0.0133 | 0.0000 | 95.3801 |

11.0 Vegetation

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3390.0003 Temporary Site MRF
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|----------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 23.00 | 1000sqft | 0.53 | 23,000.00 | 0 |
| Other Non-Asphalt Surfaces | 4.00 | 1000sqft | 4.47 | 4,000.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2018 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

Project Characteristics - .

Land Use - Total site approximately 5 acres; Other asphalt surfaces=paving; Other nonasphalt surfaces=temporary concrete pad

Construction Phase - Construction expected to take 20 working days; Temporary site construction to coincide with the start of existing site Phase 1 construction

Off-road Equipment -

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Trips and VMT - 20 CY truck capacity

Grading - Project total acreage: 5 acres

Vehicle Trips - Based on information provided by the applicant and the Wetsel Facilities Report (Table 2). Trip percentages based on CalEEMod general light industrial defaults.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Construction Off-road Equipment Mitigation - All construction equipment (except for rubber tired dozers) shall be Tier 3 or higher; All rubber tired dozers shall be Tier 4 Final

Operational Off-Road Equipment - .

Fleet Mix - Based on information provided by the client. Other asphalt: diverted and new truck trips. Non-asphalt: weighted default fleet mix for visitor and employees.

Stationary Sources - Emergency Generators and Fire Pumps -

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblAreaCoating | Area_EF_Parking | 250 | 150 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |

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| | | | |
|-------------------------|----------------------------|-------------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 230.00 | 5.00 |
| tblConstructionPhase | NumDays | 8.00 | 5.00 |
| tblConstructionPhase | NumDays | 18.00 | 5.00 |
| tblFleetMix | HHD | 8.7420e-003 | 0.00 |
| tblFleetMix | HHD | 8.7420e-003 | 0.00 |
| tblFleetMix | LDA | 0.49 | 0.00 |
| tblFleetMix | LDA | 0.49 | 0.54 |
| tblFleetMix | LDT1 | 0.05 | 0.00 |
| tblFleetMix | LDT1 | 0.05 | 0.05 |
| tblFleetMix | LDT2 | 0.23 | 0.00 |
| tblFleetMix | LDT2 | 0.23 | 0.25 |
| tblFleetMix | LHD1 | 0.04 | 0.00 |
| tblFleetMix | LHD1 | 0.04 | 0.00 |
| tblFleetMix | LHD2 | 8.2960e-003 | 0.17 |
| tblFleetMix | LHD2 | 8.2960e-003 | 0.00 |
| tblFleetMix | MCY | 6.0010e-003 | 0.00 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

| | | | |
|---------------------|------------------|-------------|--------|
| tblFleetMix | MCY | 6.0010e-003 | 0.00 |
| tblFleetMix | MDV | 0.15 | 0.00 |
| tblFleetMix | MDV | 0.15 | 0.16 |
| tblFleetMix | MH | 2.1880e-003 | 0.00 |
| tblFleetMix | MH | 2.1880e-003 | 0.00 |
| tblFleetMix | MHD | 0.01 | 0.83 |
| tblFleetMix | MHD | 0.01 | 0.00 |
| tblFleetMix | OBUS | 1.5500e-003 | 0.00 |
| tblFleetMix | OBUS | 1.5500e-003 | 0.00 |
| tblFleetMix | SBUS | 8.6300e-004 | 0.00 |
| tblFleetMix | SBUS | 8.6300e-004 | 0.00 |
| tblFleetMix | UBUS | 1.3400e-003 | 0.00 |
| tblFleetMix | UBUS | 1.3400e-003 | 0.00 |
| tblGrading | AcresOfGrading | 0.00 | 5.00 |
| tblGrading | AcresOfGrading | 0.00 | 5.00 |
| tblGrading | MaterialImported | 0.00 | 700.00 |
| tblLandUse | LotAcreage | 0.09 | 4.47 |
| tblOffRoadEquipment | HorsePower | 158.00 | 316.00 |
| tblOffRoadEquipment | HorsePower | 132.00 | 100.00 |
| tblOffRoadEquipment | HorsePower | 80.00 | 107.00 |
| tblOffRoadEquipment | HorsePower | 247.00 | 150.00 |
| tblOffRoadEquipment | HorsePower | 247.00 | 150.00 |
| tblOffRoadEquipment | HorsePower | 97.00 | 96.00 |
| tblOffRoadEquipment | HorsePower | 97.00 | 96.00 |
| tblOffRoadEquipment | HorsePower | 97.00 | 96.00 |
| tblOffRoadEquipment | HorsePower | 158.00 | 316.00 |
| tblOffRoadEquipment | HorsePower | 158.00 | 316.00 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

| | | | |
|---------------------|------------|--------|--------|
| tbloffRoadEquipment | HorsePower | 158.00 | 316.00 |
| tbloffRoadEquipment | HorsePower | 402.00 | 453.00 |
| tbloffRoadEquipment | HorsePower | 402.00 | 453.00 |
| tbloffRoadEquipment | HorsePower | 402.00 | 453.00 |
| tbloffRoadEquipment | HorsePower | 402.00 | 453.00 |
| tbloffRoadEquipment | HorsePower | 132.00 | 100.00 |
| tbloffRoadEquipment | HorsePower | 132.00 | 100.00 |
| tbloffRoadEquipment | HorsePower | 132.00 | 100.00 |
| tbloffRoadEquipment | HorsePower | 8.00 | 160.00 |
| tbloffRoadEquipment | HorsePower | 8.00 | 160.00 |
| tbloffRoadEquipment | HorsePower | 8.00 | 160.00 |
| tbloffRoadEquipment | HorsePower | 8.00 | 160.00 |
| tbloffRoadEquipment | HorsePower | 80.00 | 107.00 |
| tbloffRoadEquipment | HorsePower | 80.00 | 107.00 |
| tbloffRoadEquipment | HorsePower | 80.00 | 107.00 |
| tbloffRoadEquipment | HorsePower | 247.00 | 150.00 |
| tbloffRoadEquipment | HorsePower | 247.00 | 150.00 |
| tbloffRoadEquipment | HorsePower | 97.00 | 96.00 |
| tbloffRoadEquipment | LoadFactor | 0.36 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.40 | 0.43 |
| tbloffRoadEquipment | LoadFactor | 0.40 | 0.43 |
| tbloffRoadEquipment | LoadFactor | 0.36 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.36 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.36 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.43 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.43 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.43 | 0.38 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

| | | | |
|---------------------|----------------------------|-------|--------|
| tblOffRoadEquipment | LoadFactor | 0.43 | 0.38 |
| tblOffRoadEquipment | LoadFactor | 0.40 | 0.43 |
| tblOffRoadEquipment | LoadFactor | 0.40 | 0.43 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblTripsAndVMT | HaulingTripNumber | 69.00 | 70.00 |
| tblTripsAndVMT | WorkerTripNumber | 18.00 | 13.00 |
| tblVehicleTrips | CC_TL | 7.30 | 0.00 |
| tblVehicleTrips | CC_TTP | 0.00 | 28.00 |
| tblVehicleTrips | CNW_TL | 7.30 | 0.00 |
| tblVehicleTrips | CNW_TTP | 0.00 | 13.00 |
| tblVehicleTrips | CW_TL | 9.50 | 2.98 |
| tblVehicleTrips | CW_TTP | 0.00 | 100.00 |
| tblVehicleTrips | CW_TTP | 0.00 | 59.00 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

| | | | |
|-----------------|-------|------|--------|
| tblVehicleTrips | DV_TP | 0.00 | 5.00 |
| tblVehicleTrips | PB_TP | 0.00 | 3.00 |
| tblVehicleTrips | PR_TP | 0.00 | 100.00 |
| tblVehicleTrips | PR_TP | 0.00 | 92.00 |
| tblVehicleTrips | ST_TR | 0.00 | 1.52 |
| tblVehicleTrips | ST_TR | 0.00 | 5.00 |
| tblVehicleTrips | SU_TR | 0.00 | 1.52 |
| tblVehicleTrips | SU_TR | 0.00 | 5.00 |
| tblVehicleTrips | WD_TR | 0.00 | 1.52 |
| tblVehicleTrips | WD_TR | 0.00 | 5.00 |

2.0 Emissions Summary

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 3.3239 | 35.8176 | 20.0367 | 0.0520 | 7.4307 | 1.5731 | 9.0039 | 3.5189 | 1.4488 | 4.9678 | 0.0000 | 5,273.1130 | 5,273.1130 | 1.2481 | 0.0000 | 5,304.3162 |
| Maximum | 3.3239 | 35.8176 | 20.0367 | 0.0520 | 7.4307 | 1.5731 | 9.0039 | 3.5189 | 1.4488 | 4.9678 | 0.0000 | 5,273.1130 | 5,273.1130 | 1.2481 | 0.0000 | 5,304.3162 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 1.2830 | 22.3836 | 26.0886 | 0.0520 | 3.1103 | 0.8312 | 3.9416 | 1.4299 | 0.8294 | 2.2592 | 0.0000 | 5,273.1130 | 5,273.1130 | 1.2481 | 0.0000 | 5,304.3162 |
| Maximum | 1.2830 | 22.3836 | 26.0886 | 0.0520 | 3.1103 | 0.8312 | 3.9416 | 1.4299 | 0.8294 | 2.2592 | 0.0000 | 5,273.1130 | 5,273.1130 | 1.2481 | 0.0000 | 5,304.3162 |

| | ROG | NOx | CO | SO2 | 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 | 61.40 | 37.51 | -30.20 | 0.00 | 58.14 | 47.16 | 56.22 | 59.37 | 42.76 | 54.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.0129 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.1589 | 1.8411 | 1.5271 | 4.1200e-003 | 0.2218 | 0.0238 | 0.2455 | 0.0620 | 0.0227 | 0.0847 | | 420.9021 | 420.9021 | 0.0163 | | 421.3087 |
| Stationary | 1.3129 | 4.2809 | 4.7638 | 6.3100e-003 | | 0.1931 | 0.1931 | | 0.1931 | 0.1931 | | 671.6113 | 671.6113 | 0.0942 | | 673.9653 |
| Total | 1.4846 | 6.1221 | 6.2937 | 0.0104 | 0.2218 | 0.2169 | 0.4387 | 0.0620 | 0.2158 | 0.2779 | | 1,092.5193 | 1,092.5193 | 0.1104 | 0.0000 | 1,095.2803 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.0129 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.1589 | 1.8411 | 1.5271 | 4.1200e-003 | 0.2218 | 0.0238 | 0.2455 | 0.0620 | 0.0227 | 0.0847 | | 420.9021 | 420.9021 | 0.0163 | | 421.3087 |
| Stationary | 1.3129 | 4.2809 | 4.7638 | 6.3100e-003 | | 0.1931 | 0.1931 | | 0.1931 | 0.1931 | | 671.6113 | 671.6113 | 0.0942 | | 673.9653 |
| Total | 1.4846 | 6.1221 | 6.2937 | 0.0104 | 0.2218 | 0.2169 | 0.4387 | 0.0620 | 0.2158 | 0.2779 | | 1,092.5193 | 1,092.5193 | 0.1104 | 0.0000 | 1,095.2803 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Site Preparation | Site Preparation | 6/1/2018 | 6/7/2018 | 5 | 5 | |
| 2 | Grading | Grading | 6/8/2018 | 6/14/2018 | 5 | 5 | |
| 3 | Building Construction | Building Construction | 6/15/2018 | 6/21/2018 | 5 | 5 | |
| 4 | Paving | Paving | 6/22/2018 | 6/28/2018 | 5 | 5 | |

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Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 5

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

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Site Preparation | Excavators | 1 | 8.00 | 316 | 0.38 |
| Site Preparation | Off-Highway Trucks | 1 | 8.00 | 453 | 0.38 |
| Site Preparation | Paving Equipment | 1 | 8.00 | 100 | 0.38 |
| Site Preparation | Plate Compactors | 1 | 8.00 | 160 | 0.38 |
| Site Preparation | Rollers | 1 | 8.00 | 107 | 0.38 |
| Site Preparation | Rubber Tired Dozers | 1 | 8.00 | 150 | 0.43 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 4.00 | 96 | 0.37 |
| Grading | Excavators | 1 | 8.00 | 316 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Off-Highway Trucks | 1 | 8.00 | 453 | 0.38 |
| Grading | Paving Equipment | 1 | 8.00 | 100 | 0.38 |
| Grading | Plate Compactors | 1 | 8.00 | 160 | 0.38 |
| Grading | Rollers | 1 | 8.00 | 107 | 0.38 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 150 | 0.43 |
| Grading | Tractors/Loaders/Backhoes | 1 | 4.00 | 96 | 0.37 |
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Excavators | 1 | 8.00 | 316 | 0.38 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

| | | | | | |
|-----------------------|---------------------------|---|------|-----|------|
| Building Construction | Off-Highway Trucks | 1 | 8.00 | 453 | 0.38 |
| Building Construction | Paving Equipment | 1 | 8.00 | 100 | 0.38 |
| Building Construction | Plate Compactors | 1 | 8.00 | 160 | 0.38 |
| Building Construction | Rollers | 1 | 8.00 | 107 | 0.38 |
| Building Construction | Rubber Tired Dozers | 1 | 8.00 | 150 | 0.43 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 4.00 | 96 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Excavators | 1 | 8.00 | 316 | 0.38 |
| Paving | Off-Highway Trucks | 1 | 8.00 | 453 | 0.38 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 1 | 8.00 | 100 | 0.38 |
| Paving | Plate Compactors | 1 | 8.00 | 160 | 0.38 |
| Paving | Rollers | 1 | 8.00 | 107 | 0.38 |
| Paving | Rubber Tired Dozers | 1 | 8.00 | 150 | 0.43 |
| Paving | Tractors/Loaders/Backhoes | 1 | 4.00 | 96 | 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 | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 7 | 13.00 | 0.00 | 70.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 7 | 11.00 | 4.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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3.2 Site Preparation - 2018

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9318 | 30.3463 | 17.8493 | 0.0391 | | 1.5311 | 1.5311 | | 1.4086 | 1.4086 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Total | 2.9318 | 30.3463 | 17.8493 | 0.0391 | 7.0826 | 1.5311 | 8.6137 | 3.4247 | 1.4086 | 4.8333 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1145 | 0.0620 | 0.8082 | 1.6400e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 162.6722 | 162.6722 | 6.2300e-003 | | 162.8280 |
| Total | 0.1145 | 0.0620 | 0.8082 | 1.6400e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 162.6722 | 162.6722 | 6.2300e-003 | | 162.8280 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.2 Site Preparation - 2018

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.7622 | 0.0000 | 2.7622 | 1.3357 | 0.0000 | 1.3357 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.8908 | 16.9123 | 23.9012 | 0.0391 | | 0.7892 | 0.7892 | | 0.7892 | 0.7892 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Total | 0.8908 | 16.9123 | 23.9012 | 0.0391 | 2.7622 | 0.7892 | 3.5514 | 1.3357 | 0.7892 | 2.1248 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1145 | 0.0620 | 0.8082 | 1.6400e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 162.6722 | 162.6722 | 6.2300e-003 | | 162.8280 |
| Total | 0.1145 | 0.0620 | 0.8082 | 1.6400e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 162.6722 | 162.6722 | 6.2300e-003 | | 162.8280 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.3 Grading - 2018

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9318 | 30.3463 | 17.8493 | 0.0391 | | 1.5311 | 1.5311 | | 1.4086 | 1.4086 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Total | 2.9318 | 30.3463 | 17.8493 | 0.0391 | 7.0826 | 1.5311 | 8.6137 | 3.4247 | 1.4086 | 4.8333 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.1711 | 5.4265 | 1.6037 | 0.0117 | 0.2413 | 0.0412 | 0.2825 | 0.0659 | 0.0394 | 0.1053 | | 1,224.7987 | 1,224.7987 | 0.0199 | | 1,225.2963 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0827 | 0.0448 | 0.5837 | 1.1800e-003 | 0.1068 | 8.8000e-004 | 0.1077 | 0.0283 | 8.1000e-004 | 0.0291 | | 117.4855 | 117.4855 | 4.5000e-003 | | 117.5980 |
| Total | 0.2538 | 5.4713 | 2.1874 | 0.0129 | 0.3481 | 0.0421 | 0.3902 | 0.0942 | 0.0402 | 0.1344 | | 1,342.2841 | 1,342.2841 | 0.0244 | | 1,342.8943 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.3 Grading - 2018

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.7622 | 0.0000 | 2.7622 | 1.3357 | 0.0000 | 1.3357 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.8908 | 16.9123 | 23.9012 | 0.0391 | | 0.7892 | 0.7892 | | 0.7892 | 0.7892 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Total | 0.8908 | 16.9123 | 23.9012 | 0.0391 | 2.7622 | 0.7892 | 3.5514 | 1.3357 | 0.7892 | 2.1248 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.1711 | 5.4265 | 1.6037 | 0.0117 | 0.2413 | 0.0412 | 0.2825 | 0.0659 | 0.0394 | 0.1053 | | 1,224.7987 | 1,224.7987 | 0.0199 | | 1,225.2963 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0827 | 0.0448 | 0.5837 | 1.1800e-003 | 0.1068 | 8.8000e-004 | 0.1077 | 0.0283 | 8.1000e-004 | 0.0291 | | 117.4855 | 117.4855 | 4.5000e-003 | | 117.5980 |
| Total | 0.2538 | 5.4713 | 2.1874 | 0.0129 | 0.3481 | 0.0421 | 0.3902 | 0.0942 | 0.0402 | 0.1344 | | 1,342.2841 | 1,342.2841 | 0.0244 | | 1,342.8943 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.4 Building Construction - 2018

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.9318 | 30.3463 | 17.8493 | 0.0391 | | 1.5311 | 1.5311 | | 1.4086 | 1.4086 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Total | 2.9318 | 30.3463 | 17.8493 | 0.0391 | | 1.5311 | 1.5311 | | 1.4086 | 1.4086 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0254 | 0.5866 | 0.2030 | 1.1000e-003 | 0.0269 | 5.9700e-003 | 0.0329 | 7.7300e-003 | 5.7100e-003 | 0.0134 | | 114.3085 | 114.3085 | 3.0100e-003 | | 114.3838 |
| Worker | 0.0700 | 0.0379 | 0.4939 | 1.0000e-003 | 0.0904 | 7.4000e-004 | 0.0911 | 0.0240 | 6.9000e-004 | 0.0247 | | 99.4108 | 99.4108 | 3.8100e-003 | | 99.5060 |
| Total | 0.0953 | 0.6245 | 0.6969 | 2.1000e-003 | 0.1173 | 6.7100e-003 | 0.1240 | 0.0317 | 6.4000e-003 | 0.0381 | | 213.7192 | 213.7192 | 6.8200e-003 | | 213.8898 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.4 Building Construction - 2018

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8908 | 16.9123 | 23.9012 | 0.0391 | | 0.7892 | 0.7892 | | 0.7892 | 0.7892 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Total | 0.8908 | 16.9123 | 23.9012 | 0.0391 | | 0.7892 | 0.7892 | | 0.7892 | 0.7892 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0254 | 0.5866 | 0.2030 | 1.1000e-003 | 0.0269 | 5.9700e-003 | 0.0329 | 7.7300e-003 | 5.7100e-003 | 0.0134 | | 114.3085 | 114.3085 | 3.0100e-003 | | 114.3838 |
| Worker | 0.0700 | 0.0379 | 0.4939 | 1.0000e-003 | 0.0904 | 7.4000e-004 | 0.0911 | 0.0240 | 6.9000e-004 | 0.0247 | | 99.4108 | 99.4108 | 3.8100e-003 | | 99.5060 |
| Total | 0.0953 | 0.6245 | 0.6969 | 2.1000e-003 | 0.1173 | 6.7100e-003 | 0.1240 | 0.0317 | 6.4000e-003 | 0.0381 | | 213.7192 | 213.7192 | 6.8200e-003 | | 213.8898 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.5 Paving - 2018

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.9318 | 30.3463 | 17.8493 | 0.0391 | | 1.5311 | 1.5311 | | 1.4086 | 1.4086 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Paving | 0.2777 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 3.2095 | 30.3463 | 17.8493 | 0.0391 | | 1.5311 | 1.5311 | | 1.4086 | 1.4086 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1145 | 0.0620 | 0.8082 | 1.6400e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 162.6722 | 162.6722 | 6.2300e-003 | | 162.8280 |
| Total | 0.1145 | 0.0620 | 0.8082 | 1.6400e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 162.6722 | 162.6722 | 6.2300e-003 | | 162.8280 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.5 Paving - 2018

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8908 | 16.9123 | 23.9012 | 0.0391 | | 0.7892 | 0.7892 | | 0.7892 | 0.7892 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Paving | 0.2777 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1685 | 16.9123 | 23.9012 | 0.0391 | | 0.7892 | 0.7892 | | 0.7892 | 0.7892 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1145 | 0.0620 | 0.8082 | 1.6400e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 162.6722 | 162.6722 | 6.2300e-003 | | 162.8280 |
| Total | 0.1145 | 0.0620 | 0.8082 | 1.6400e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 162.6722 | 162.6722 | 6.2300e-003 | | 162.8280 |

4.0 Operational Detail - Mobile

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.1589 | 1.8411 | 1.5271 | 4.1200e-003 | 0.2218 | 0.0238 | 0.2455 | 0.0620 | 0.0227 | 0.0847 | | 420.9021 | 420.9021 | 0.0163 | | 421.3087 |
| Unmitigated | 0.1589 | 1.8411 | 1.5271 | 4.1200e-003 | 0.2218 | 0.0238 | 0.2455 | 0.0620 | 0.0227 | 0.0847 | | 420.9021 | 420.9021 | 0.0163 | | 421.3087 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Other Asphalt Surfaces | 34.96 | 34.96 | 34.96 | 37,922 | 37,922 |
| Other Non-Asphalt Surfaces | 20.00 | 20.00 | 20.00 | 58,390 | 58,390 |
| Total | 54.96 | 54.96 | 54.96 | 96,312 | 96,312 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Other Asphalt Surfaces | 2.98 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 100 | 0 | 0 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |

4.4 Fleet Mix

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Asphalt Surfaces | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.171400 | 0.828600 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Other Non-Asphalt Surfaces | 0.539335 | 0.049896 | 0.247555 | 0.163213 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|-----|-------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0129 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-003 |
| Unmitigated | 0.0129 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 3.0900e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 9.5600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.7000e-004 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-003 |
| Total | 0.0129 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-003 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|--------------------|--------------------|--------------------|-----|------|--------------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | | |
| Architectural Coating | 3.0900e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | | 0.0000 |
| Consumer Products | 9.5600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | | 0.0000 |
| Landscaping | 2.7000e-004 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | | 6.3100e-003 |
| Total | 0.0129 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | | 6.3100e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 1 | 10 | 3120 | 80 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

10.1 Stationary Sources

Unmitigated/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 |
|--|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Emergency Generator - Diesel (75 - 100 HP) | 1.3129 | 4.2809 | 4.7638 | 6.3100e-003 | | 0.1931 | 0.1931 | | 0.1931 | 0.1931 | | 671.6113 | 671.6113 | 0.0942 | | 673.9653 |
| Total | 1.3129 | 4.2809 | 4.7638 | 6.3100e-003 | | 0.1931 | 0.1931 | | 0.1931 | 0.1931 | | 671.6113 | 671.6113 | 0.0942 | | 673.9653 |

11.0 Vegetation

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3390.0003 Temporary Site MRF
El Dorado-Mountain County County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|----------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 23.00 | 1000sqft | 0.53 | 23,000.00 | 0 |
| Other Non-Asphalt Surfaces | 4.00 | 1000sqft | 4.47 | 4,000.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 70 |
| Climate Zone | 1 | | | Operational Year | 2018 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 641.35 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

Project Characteristics - .

Land Use - Total site approximately 5 acres; Other asphalt surfaces=paving; Other nonasphalt surfaces=temporary concrete pad

Construction Phase - Construction expected to take 20 working days; Temporary site construction to coincide with the start of existing site Phase 1 construction

Off-road Equipment -

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Trips and VMT - 20 CY truck capacity

Grading - Project total acreage: 5 acres

Vehicle Trips - Based on information provided by the applicant and the Wetsel Facilities Report (Table 2). Trip percentages based on CalEEMod general light industrial defaults.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Construction Off-road Equipment Mitigation - All construction equipment (except for rubber tired dozers) shall be Tier 3 or higher; All rubber tired dozers shall be Tier 4 Final

Operational Off-Road Equipment - .

Fleet Mix - Based on information provided by the client. Other asphalt: diverted and new truck trips. Non-asphalt: weighted default fleet mix for visitor and employees.

Stationary Sources - Emergency Generators and Fire Pumps -

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblAreaCoating | Area_EF_Parking | 250 | 150 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

| | | | |
|-------------------------|----------------------------|-------------|--------------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 3 |
| tblConstructionPhase | NumDays | 230.00 | 5.00 |
| tblConstructionPhase | NumDays | 8.00 | 5.00 |
| tblConstructionPhase | NumDays | 18.00 | 5.00 |
| tblFleetMix | HHD | 8.7420e-003 | 0.00 |
| tblFleetMix | HHD | 8.7420e-003 | 0.00 |
| tblFleetMix | LDA | 0.49 | 0.00 |
| tblFleetMix | LDA | 0.49 | 0.54 |
| tblFleetMix | LDT1 | 0.05 | 0.00 |
| tblFleetMix | LDT1 | 0.05 | 0.05 |
| tblFleetMix | LDT2 | 0.23 | 0.00 |
| tblFleetMix | LDT2 | 0.23 | 0.25 |
| tblFleetMix | LHD1 | 0.04 | 0.00 |
| tblFleetMix | LHD1 | 0.04 | 0.00 |
| tblFleetMix | LHD2 | 8.2960e-003 | 0.17 |
| tblFleetMix | LHD2 | 8.2960e-003 | 0.00 |
| tblFleetMix | MCY | 6.0010e-003 | 0.00 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

| | | | |
|---------------------|------------------|-------------|--------|
| tblFleetMix | MCY | 6.0010e-003 | 0.00 |
| tblFleetMix | MDV | 0.15 | 0.00 |
| tblFleetMix | MDV | 0.15 | 0.16 |
| tblFleetMix | MH | 2.1880e-003 | 0.00 |
| tblFleetMix | MH | 2.1880e-003 | 0.00 |
| tblFleetMix | MHD | 0.01 | 0.83 |
| tblFleetMix | MHD | 0.01 | 0.00 |
| tblFleetMix | OBUS | 1.5500e-003 | 0.00 |
| tblFleetMix | OBUS | 1.5500e-003 | 0.00 |
| tblFleetMix | SBUS | 8.6300e-004 | 0.00 |
| tblFleetMix | SBUS | 8.6300e-004 | 0.00 |
| tblFleetMix | UBUS | 1.3400e-003 | 0.00 |
| tblFleetMix | UBUS | 1.3400e-003 | 0.00 |
| tblGrading | AcresOfGrading | 0.00 | 5.00 |
| tblGrading | AcresOfGrading | 0.00 | 5.00 |
| tblGrading | MaterialImported | 0.00 | 700.00 |
| tblLandUse | LotAcreage | 0.09 | 4.47 |
| tblOffRoadEquipment | HorsePower | 158.00 | 316.00 |
| tblOffRoadEquipment | HorsePower | 132.00 | 100.00 |
| tblOffRoadEquipment | HorsePower | 80.00 | 107.00 |
| tblOffRoadEquipment | HorsePower | 247.00 | 150.00 |
| tblOffRoadEquipment | HorsePower | 247.00 | 150.00 |
| tblOffRoadEquipment | HorsePower | 97.00 | 96.00 |
| tblOffRoadEquipment | HorsePower | 97.00 | 96.00 |
| tblOffRoadEquipment | HorsePower | 97.00 | 96.00 |
| tblOffRoadEquipment | HorsePower | 158.00 | 316.00 |
| tblOffRoadEquipment | HorsePower | 158.00 | 316.00 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

| | | | |
|---------------------|------------|--------|--------|
| tbloffRoadEquipment | HorsePower | 158.00 | 316.00 |
| tbloffRoadEquipment | HorsePower | 402.00 | 453.00 |
| tbloffRoadEquipment | HorsePower | 402.00 | 453.00 |
| tbloffRoadEquipment | HorsePower | 402.00 | 453.00 |
| tbloffRoadEquipment | HorsePower | 402.00 | 453.00 |
| tbloffRoadEquipment | HorsePower | 132.00 | 100.00 |
| tbloffRoadEquipment | HorsePower | 132.00 | 100.00 |
| tbloffRoadEquipment | HorsePower | 132.00 | 100.00 |
| tbloffRoadEquipment | HorsePower | 8.00 | 160.00 |
| tbloffRoadEquipment | HorsePower | 8.00 | 160.00 |
| tbloffRoadEquipment | HorsePower | 8.00 | 160.00 |
| tbloffRoadEquipment | HorsePower | 8.00 | 160.00 |
| tbloffRoadEquipment | HorsePower | 80.00 | 107.00 |
| tbloffRoadEquipment | HorsePower | 80.00 | 107.00 |
| tbloffRoadEquipment | HorsePower | 80.00 | 107.00 |
| tbloffRoadEquipment | HorsePower | 247.00 | 150.00 |
| tbloffRoadEquipment | HorsePower | 247.00 | 150.00 |
| tbloffRoadEquipment | HorsePower | 97.00 | 96.00 |
| tbloffRoadEquipment | LoadFactor | 0.36 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.40 | 0.43 |
| tbloffRoadEquipment | LoadFactor | 0.40 | 0.43 |
| tbloffRoadEquipment | LoadFactor | 0.36 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.36 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.36 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.43 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.43 | 0.38 |
| tbloffRoadEquipment | LoadFactor | 0.43 | 0.38 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

| | | | |
|---------------------|----------------------------|-------|--------|
| tblOffRoadEquipment | LoadFactor | 0.43 | 0.38 |
| tblOffRoadEquipment | LoadFactor | 0.40 | 0.43 |
| tblOffRoadEquipment | LoadFactor | 0.40 | 0.43 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 4.00 |
| tblTripsAndVMT | HaulingTripNumber | 69.00 | 70.00 |
| tblTripsAndVMT | WorkerTripNumber | 18.00 | 13.00 |
| tblVehicleTrips | CC_TL | 7.30 | 0.00 |
| tblVehicleTrips | CC_TTP | 0.00 | 28.00 |
| tblVehicleTrips | CNW_TL | 7.30 | 0.00 |
| tblVehicleTrips | CNW_TTP | 0.00 | 13.00 |
| tblVehicleTrips | CW_TL | 9.50 | 2.98 |
| tblVehicleTrips | CW_TTP | 0.00 | 100.00 |
| tblVehicleTrips | CW_TTP | 0.00 | 59.00 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

| | | | |
|-----------------|-------|------|--------|
| tblVehicleTrips | DV_TP | 0.00 | 5.00 |
| tblVehicleTrips | PB_TP | 0.00 | 3.00 |
| tblVehicleTrips | PR_TP | 0.00 | 100.00 |
| tblVehicleTrips | PR_TP | 0.00 | 92.00 |
| tblVehicleTrips | ST_TR | 0.00 | 1.52 |
| tblVehicleTrips | ST_TR | 0.00 | 5.00 |
| tblVehicleTrips | SU_TR | 0.00 | 1.52 |
| tblVehicleTrips | SU_TR | 0.00 | 5.00 |
| tblVehicleTrips | WD_TR | 0.00 | 1.52 |
| tblVehicleTrips | WD_TR | 0.00 | 5.00 |

2.0 Emissions Summary

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 3.3261 | 36.0242 | 20.0813 | 0.0517 | 7.4307 | 1.5738 | 9.0045 | 3.5189 | 1.4494 | 4.9684 | 0.0000 | 5,248.9514 | 5,248.9514 | 1.2489 | 0.0000 | 5,280.1735 |
| Maximum | 3.3261 | 36.0242 | 20.0813 | 0.0517 | 7.4307 | 1.5738 | 9.0045 | 3.5189 | 1.4494 | 4.9684 | 0.0000 | 5,248.9514 | 5,248.9514 | 1.2489 | 0.0000 | 5,280.1735 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 1.2852 | 22.5901 | 26.1332 | 0.0517 | 3.1103 | 0.8318 | 3.9422 | 1.4299 | 0.8300 | 2.2598 | 0.0000 | 5,248.9514 | 5,248.9514 | 1.2489 | 0.0000 | 5,280.1735 |
| Maximum | 1.2852 | 22.5901 | 26.1332 | 0.0517 | 3.1103 | 0.8318 | 3.9422 | 1.4299 | 0.8300 | 2.2598 | 0.0000 | 5,248.9514 | 5,248.9514 | 1.2489 | 0.0000 | 5,280.1735 |

| | ROG | NOx | CO | SO2 | 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 | 61.36 | 37.29 | -30.14 | 0.00 | 58.14 | 47.14 | 56.22 | 59.37 | 42.74 | 54.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.0129 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.1547 | 1.9174 | 1.6663 | 3.9700e-003 | 0.2218 | 0.0240 | 0.2457 | 0.0620 | 0.0229 | 0.0849 | | 405.5391 | 405.5391 | 0.0171 | | 405.9666 |
| Stationary | 1.3129 | 4.2809 | 4.7638 | 6.3100e-003 | | 0.1931 | 0.1931 | | 0.1931 | 0.1931 | | 671.6113 | 671.6113 | 0.0942 | | 673.9653 |
| Total | 1.4805 | 6.1983 | 6.4328 | 0.0103 | 0.2218 | 0.2171 | 0.4389 | 0.0620 | 0.2160 | 0.2780 | | 1,077.1563 | 1,077.1563 | 0.1113 | 0.0000 | 1,079.9382 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.0129 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.1547 | 1.9174 | 1.6663 | 3.9700e-003 | 0.2218 | 0.0240 | 0.2457 | 0.0620 | 0.0229 | 0.0849 | | 405.5391 | 405.5391 | 0.0171 | | 405.9666 |
| Stationary | 1.3129 | 4.2809 | 4.7638 | 6.3100e-003 | | 0.1931 | 0.1931 | | 0.1931 | 0.1931 | | 671.6113 | 671.6113 | 0.0942 | | 673.9653 |
| Total | 1.4805 | 6.1983 | 6.4328 | 0.0103 | 0.2218 | 0.2171 | 0.4389 | 0.0620 | 0.2160 | 0.2780 | | 1,077.1563 | 1,077.1563 | 0.1113 | 0.0000 | 1,079.9382 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Site Preparation | Site Preparation | 6/1/2018 | 6/7/2018 | 5 | 5 | |
| 2 | Grading | Grading | 6/8/2018 | 6/14/2018 | 5 | 5 | |
| 3 | Building Construction | Building Construction | 6/15/2018 | 6/21/2018 | 5 | 5 | |
| 4 | Paving | Paving | 6/22/2018 | 6/28/2018 | 5 | 5 | |

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Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 5

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

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Site Preparation | Excavators | 1 | 8.00 | 316 | 0.38 |
| Site Preparation | Off-Highway Trucks | 1 | 8.00 | 453 | 0.38 |
| Site Preparation | Paving Equipment | 1 | 8.00 | 100 | 0.38 |
| Site Preparation | Plate Compactors | 1 | 8.00 | 160 | 0.38 |
| Site Preparation | Rollers | 1 | 8.00 | 107 | 0.38 |
| Site Preparation | Rubber Tired Dozers | 1 | 8.00 | 150 | 0.43 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 4.00 | 96 | 0.37 |
| Grading | Excavators | 1 | 8.00 | 316 | 0.38 |
| Grading | Graders | 0 | 8.00 | 187 | 0.41 |
| Grading | Off-Highway Trucks | 1 | 8.00 | 453 | 0.38 |
| Grading | Paving Equipment | 1 | 8.00 | 100 | 0.38 |
| Grading | Plate Compactors | 1 | 8.00 | 160 | 0.38 |
| Grading | Rollers | 1 | 8.00 | 107 | 0.38 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 150 | 0.43 |
| Grading | Tractors/Loaders/Backhoes | 1 | 4.00 | 96 | 0.37 |
| Building Construction | Cranes | 0 | 7.00 | 231 | 0.29 |
| Building Construction | Excavators | 1 | 8.00 | 316 | 0.38 |
| Building Construction | Forklifts | 0 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 0 | 8.00 | 84 | 0.74 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

| | | | | | |
|-----------------------|---------------------------|---|------|-----|------|
| Building Construction | Off-Highway Trucks | 1 | 8.00 | 453 | 0.38 |
| Building Construction | Paving Equipment | 1 | 8.00 | 100 | 0.38 |
| Building Construction | Plate Compactors | 1 | 8.00 | 160 | 0.38 |
| Building Construction | Rollers | 1 | 8.00 | 107 | 0.38 |
| Building Construction | Rubber Tired Dozers | 1 | 8.00 | 150 | 0.43 |
| Building Construction | Tractors/Loaders/Backhoes | 1 | 4.00 | 96 | 0.37 |
| Building Construction | Welders | 0 | 8.00 | 46 | 0.45 |
| Paving | Excavators | 1 | 8.00 | 316 | 0.38 |
| Paving | Off-Highway Trucks | 1 | 8.00 | 453 | 0.38 |
| Paving | Pavers | 0 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 1 | 8.00 | 100 | 0.38 |
| Paving | Plate Compactors | 1 | 8.00 | 160 | 0.38 |
| Paving | Rollers | 1 | 8.00 | 107 | 0.38 |
| Paving | Rubber Tired Dozers | 1 | 8.00 | 150 | 0.43 |
| Paving | Tractors/Loaders/Backhoes | 1 | 4.00 | 96 | 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 | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 7 | 13.00 | 0.00 | 70.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 7 | 11.00 | 4.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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3.2 Site Preparation - 2018

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9318 | 30.3463 | 17.8493 | 0.0391 | | 1.5311 | 1.5311 | | 1.4086 | 1.4086 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Total | 2.9318 | 30.3463 | 17.8493 | 0.0391 | 7.0826 | 1.5311 | 8.6137 | 3.4247 | 1.4086 | 4.8333 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1166 | 0.0767 | 0.7655 | 1.4800e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 147.0451 | 147.0451 | 5.8800e-003 | | 147.1920 |
| Total | 0.1166 | 0.0767 | 0.7655 | 1.4800e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 147.0451 | 147.0451 | 5.8800e-003 | | 147.1920 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.2 Site Preparation - 2018

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.7622 | 0.0000 | 2.7622 | 1.3357 | 0.0000 | 1.3357 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.8908 | 16.9123 | 23.9012 | 0.0391 | | 0.7892 | 0.7892 | | 0.7892 | 0.7892 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Total | 0.8908 | 16.9123 | 23.9012 | 0.0391 | 2.7622 | 0.7892 | 3.5514 | 1.3357 | 0.7892 | 2.1248 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1166 | 0.0767 | 0.7655 | 1.4800e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 147.0451 | 147.0451 | 5.8800e-003 | | 147.1920 |
| Total | 0.1166 | 0.0767 | 0.7655 | 1.4800e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 147.0451 | 147.0451 | 5.8800e-003 | | 147.1920 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.3 Grading - 2018

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.9318 | 30.3463 | 17.8493 | 0.0391 | | 1.5311 | 1.5311 | | 1.4086 | 1.4086 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Total | 2.9318 | 30.3463 | 17.8493 | 0.0391 | 7.0826 | 1.5311 | 8.6137 | 3.4247 | 1.4086 | 4.8333 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.1749 | 5.6224 | 1.6792 | 0.0116 | 0.2413 | 0.0418 | 0.2831 | 0.0659 | 0.0400 | 0.1059 | | 1,211.9233 | 1,211.9233 | 0.0209 | | 1,212.4463 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0842 | 0.0554 | 0.5529 | 1.0700e-003 | 0.1068 | 8.8000e-004 | 0.1077 | 0.0283 | 8.1000e-004 | 0.0291 | | 106.1992 | 106.1992 | 4.2400e-003 | | 106.3053 |
| Total | 0.2592 | 5.6778 | 2.2320 | 0.0127 | 0.3481 | 0.0427 | 0.3908 | 0.0942 | 0.0408 | 0.1350 | | 1,318.1225 | 1,318.1225 | 0.0252 | | 1,318.7516 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.3 Grading - 2018

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.7622 | 0.0000 | 2.7622 | 1.3357 | 0.0000 | 1.3357 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.8908 | 16.9123 | 23.9012 | 0.0391 | | 0.7892 | 0.7892 | | 0.7892 | 0.7892 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Total | 0.8908 | 16.9123 | 23.9012 | 0.0391 | 2.7622 | 0.7892 | 3.5514 | 1.3357 | 0.7892 | 2.1248 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.1749 | 5.6224 | 1.6792 | 0.0116 | 0.2413 | 0.0418 | 0.2831 | 0.0659 | 0.0400 | 0.1059 | | 1,211.9233 | 1,211.9233 | 0.0209 | | 1,212.4463 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0842 | 0.0554 | 0.5529 | 1.0700e-003 | 0.1068 | 8.8000e-004 | 0.1077 | 0.0283 | 8.1000e-004 | 0.0291 | | 106.1992 | 106.1992 | 4.2400e-003 | | 106.3053 |
| Total | 0.2592 | 5.6778 | 2.2320 | 0.0127 | 0.3481 | 0.0427 | 0.3908 | 0.0942 | 0.0408 | 0.1350 | | 1,318.1225 | 1,318.1225 | 0.0252 | | 1,318.7516 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.4 Building Construction - 2018

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.9318 | 30.3463 | 17.8493 | 0.0391 | | 1.5311 | 1.5311 | | 1.4086 | 1.4086 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Total | 2.9318 | 30.3463 | 17.8493 | 0.0391 | | 1.5311 | 1.5311 | | 1.4086 | 1.4086 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0265 | 0.6020 | 0.2289 | 1.0800e-003 | 0.0269 | 6.0700e-003 | 0.0330 | 7.7300e-003 | 5.8100e-003 | 0.0135 | | 112.3646 | 112.3646 | 3.2600e-003 | | 112.4460 |
| Worker | 0.0713 | 0.0469 | 0.4678 | 9.0000e-004 | 0.0904 | 7.4000e-004 | 0.0911 | 0.0240 | 6.9000e-004 | 0.0247 | | 89.8609 | 89.8609 | 3.5900e-003 | | 89.9507 |
| Total | 0.0978 | 0.6489 | 0.6967 | 1.9800e-003 | 0.1173 | 6.8100e-003 | 0.1241 | 0.0317 | 6.5000e-003 | 0.0382 | | 202.2255 | 202.2255 | 6.8500e-003 | | 202.3967 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.4 Building Construction - 2018

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8908 | 16.9123 | 23.9012 | 0.0391 | | 0.7892 | 0.7892 | | 0.7892 | 0.7892 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Total | 0.8908 | 16.9123 | 23.9012 | 0.0391 | | 0.7892 | 0.7892 | | 0.7892 | 0.7892 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0265 | 0.6020 | 0.2289 | 1.0800e-003 | 0.0269 | 6.0700e-003 | 0.0330 | 7.7300e-003 | 5.8100e-003 | 0.0135 | | 112.3646 | 112.3646 | 3.2600e-003 | | 112.4460 |
| Worker | 0.0713 | 0.0469 | 0.4678 | 9.0000e-004 | 0.0904 | 7.4000e-004 | 0.0911 | 0.0240 | 6.9000e-004 | 0.0247 | | 89.8609 | 89.8609 | 3.5900e-003 | | 89.9507 |
| Total | 0.0978 | 0.6489 | 0.6967 | 1.9800e-003 | 0.1173 | 6.8100e-003 | 0.1241 | 0.0317 | 6.5000e-003 | 0.0382 | | 202.2255 | 202.2255 | 6.8500e-003 | | 202.3967 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.5 Paving - 2018

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.9318 | 30.3463 | 17.8493 | 0.0391 | | 1.5311 | 1.5311 | | 1.4086 | 1.4086 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Paving | 0.2777 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 3.2095 | 30.3463 | 17.8493 | 0.0391 | | 1.5311 | 1.5311 | | 1.4086 | 1.4086 | | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1166 | 0.0767 | 0.7655 | 1.4800e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 147.0451 | 147.0451 | 5.8800e-003 | | 147.1920 |
| Total | 0.1166 | 0.0767 | 0.7655 | 1.4800e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 147.0451 | 147.0451 | 5.8800e-003 | | 147.1920 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.5 Paving - 2018

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8908 | 16.9123 | 23.9012 | 0.0391 | | 0.7892 | 0.7892 | | 0.7892 | 0.7892 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |
| Paving | 0.2777 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1685 | 16.9123 | 23.9012 | 0.0391 | | 0.7892 | 0.7892 | | 0.7892 | 0.7892 | 0.0000 | 3,930.8289 | 3,930.8289 | 1.2237 | | 3,961.4219 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1166 | 0.0767 | 0.7655 | 1.4800e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 147.0451 | 147.0451 | 5.8800e-003 | | 147.1920 |
| Total | 0.1166 | 0.0767 | 0.7655 | 1.4800e-003 | 0.1479 | 1.2200e-003 | 0.1491 | 0.0392 | 1.1200e-003 | 0.0403 | | 147.0451 | 147.0451 | 5.8800e-003 | | 147.1920 |

4.0 Operational Detail - Mobile

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-----|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.1547 | 1.9174 | 1.6663 | 3.9700e-003 | 0.2218 | 0.0240 | 0.2457 | 0.0620 | 0.0229 | 0.0849 | | 405.5391 | 405.5391 | 0.0171 | | 405.9666 |
| Unmitigated | 0.1547 | 1.9174 | 1.6663 | 3.9700e-003 | 0.2218 | 0.0240 | 0.2457 | 0.0620 | 0.0229 | 0.0849 | | 405.5391 | 405.5391 | 0.0171 | | 405.9666 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Other Asphalt Surfaces | 34.96 | 34.96 | 34.96 | 37,922 | 37,922 |
| Other Non-Asphalt Surfaces | 20.00 | 20.00 | 20.00 | 58,390 | 58,390 |
| Total | 54.96 | 54.96 | 54.96 | 96,312 | 96,312 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Other Asphalt Surfaces | 2.98 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 100 | 0 | 0 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |

4.4 Fleet Mix

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Asphalt Surfaces | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.171400 | 0.828600 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Other Non-Asphalt Surfaces | 0.539335 | 0.049896 | 0.247555 | 0.163213 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|-----|-------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0129 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-003 |
| Unmitigated | 0.0129 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-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 | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 3.0900e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 9.5600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.7000e-004 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-003 |
| Total | 0.0129 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-003 |

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|--------------------|--------------------|--------------------|-----|--------------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 3.0900e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 9.5600e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.7000e-004 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-003 |
| Total | 0.0129 | 3.0000e-005 | 2.7900e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 5.9100e-003 | 5.9100e-003 | 2.0000e-005 | | 6.3100e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|---------------------|--------|-----------|------------|-------------|-------------|-----------|
| Emergency Generator | 1 | 10 | 3120 | 80 | 0.73 | Diesel |

Boilers

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

User Defined Equipment

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

10.1 Stationary Sources

Unmitigated/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 |
|--|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Equipment Type | lb/day | | | | | | | | | | lb/day | | | | | |
| Emergency Generator - Diesel (75 - 100 HP) | 1.3129 | 4.2809 | 4.7638 | 6.3100e-003 | | 0.1931 | 0.1931 | | 0.1931 | 0.1931 | | 671.6113 | 671.6113 | 0.0942 | | 673.9653 |
| Total | 1.3129 | 4.2809 | 4.7638 | 6.3100e-003 | | 0.1931 | 0.1931 | | 0.1931 | 0.1931 | | 671.6113 | 671.6113 | 0.0942 | | 673.9653 |

11.0 Vegetation
