

APPENDIX H

California Emissions Estimator Model (CalEEMod) Worksheets

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Avila Ranch Development Project
San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|--------------------------|----------|---------------|-------------|--------------------|------------|
| Parking Lot | 1,652.00 | Space | 14.87 | 660,800.00 | 0 |
| Other Asphalt Surfaces | 7.03 | Acre | 7.03 | 306,226.80 | 0 |
| City Park | 16.00 | Acre | 16.00 | 696,960.00 | 0 |
| Regional Shopping Center | 15.00 | 1000sqft | 3.34 | 15,000.00 | 0 |
| Apartments Mid Rise | 125.00 | Dwelling Unit | 4.71 | 125,000.00 | 287 |
| Condo/Townhouse | 185.00 | Dwelling Unit | 11.05 | 185,000.00 | 424 |
| Single Family Housing | 105.00 | Dwelling Unit | 17.45 | 189,000.00 | 240 |
| Single Family Housing | 305.00 | Dwelling Unit | 35.03 | 549,000.00 | 698 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|--------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 3.2 | Precipitation Freq (Days) | 44 |
| Climate Zone | 4 | | | Operational Year | 2030 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 641.35 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Taken from project description

Construction Phase - taken from updated construction schedule september 29 2016

Architectural Coating - using at least 50 EF paint from mitigation

Woodstoves - no woodstoves or fireplaces

Area Coating - EF is 50 from mitigation

Water And Wastewater - based on city water use factors

Solid Waste - from estimated solid waste production under the table based on CalRecycle waste generation factors

Sequestration -

Construction Off-road Equipment Mitigation - based on mitigation

Mobile Land Use Mitigation -

Area Mitigation - 50 EF per mitigation

Energy Mitigation -

Water Mitigation -

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |

| | | | |
|-------------------------|---|--------|-------|
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 50 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 50 |
| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 50 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 50 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialInteriorValue | 250 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialExteriorValue | 250 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialInteriorValue | 250 | 50 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 17.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 18.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 7.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 14.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 14.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 26.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 54.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 14.00 |

| | | | |
|-------------------------|----------------------------|-----------|--------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 14.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstructionPhase | NumDays | 3,100.00 | 665.00 |
| tblConstructionPhase | NumDays | 120.00 | 15.00 |
| tblConstructionPhase | NumDays | 120.00 | 60.00 |
| tblConstructionPhase | NumDays | 220.00 | 46.00 |
| tblConstructionPhase | NumDays | 310.00 | 125.00 |
| tblConstructionPhase | NumDays | 310.00 | 155.00 |
| tblConstructionPhase | NumDays | 220.00 | 15.00 |
| tblConstructionPhase | NumDays | 220.00 | 55.00 |
| tblConstructionPhase | NumDays | 120.00 | 15.00 |
| tblConstructionPhase | NumDays | 310.00 | 30.00 |
| tblConstructionPhase | NumDays | 3,100.00 | 100.00 |
| tblConstructionPhase | NumDays | 220.00 | 15.00 |

| | | | |
|----------------------|----------------------------|-----------|-----------|
| tblConstructionPhase | NumDays | 220.00 | 20.00 |
| tblConstructionPhase | NumDays | 120.00 | 20.00 |
| tblConstructionPhase | NumDays | 310.00 | 35.00 |
| tblConstructionPhase | NumDays | 3,100.00 | 340.00 |
| tblConstructionPhase | NumDays | 220.00 | 20.00 |
| tblConstructionPhase | NumDays | 220.00 | 20.00 |
| tblConstructionPhase | NumDays | 120.00 | 40.00 |
| tblConstructionPhase | NumDays | 310.00 | 135.00 |
| tblConstructionPhase | NumDays | 3,100.00 | 625.00 |
| tblConstructionPhase | NumDays | 220.00 | 35.00 |
| tblConstructionPhase | NumDays | 220.00 | 30.00 |
| tblConstructionPhase | NumDays | 120.00 | 5.00 |
| tblConstructionPhase | NumDays | 310.00 | 15.00 |
| tblConstructionPhase | NumDays | 3,100.00 | 150.00 |
| tblConstructionPhase | NumDays | 220.00 | 18.00 |
| tblConstructionPhase | NumDays | 220.00 | 5.00 |
| tblConstructionPhase | PhaseStartDate | 9/29/2029 | 9/30/2029 |
| tblGrading | AcresOfGrading | 387.50 | 0.00 |
| tblLandUse | LotAcreage | 0.34 | 3.34 |
| tblLandUse | LotAcreage | 3.29 | 4.71 |
| tblLandUse | LotAcreage | 11.56 | 11.05 |
| tblLandUse | LotAcreage | 34.09 | 17.45 |
| tblLandUse | LotAcreage | 99.03 | 35.03 |
| tblLandUse | Population | 358.00 | 287.00 |
| tblLandUse | Population | 529.00 | 424.00 |
| tblLandUse | Population | 300.00 | 240.00 |
| tblLandUse | Population | 872.00 | 698.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |

| | | | |
|---------------------------|----------------------------|---------------|---------------|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 3.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 3.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblProjectCharacteristics | OperationalYear | 2014 | 2030 |
| tblSequestration | NumberOfNewTrees | 0.00 | 525.00 |
| tblSolidWaste | SolidWasteGenerationRate | 57.50 | 121.13 |
| tblSolidWaste | SolidWasteGenerationRate | 1.64 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 90.62 | 179.28 |
| tblSolidWaste | SolidWasteGenerationRate | 15.75 | 6.84 |
| tblSolidWaste | SolidWasteGenerationRate | 373.92 | 733.29 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 475.00 |
| tblTripsAndVMT | VendorTripNumber | 475.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 25.00 | 15.00 |
| tblTripsAndVMT | WorkerTripNumber | 30.00 | 18.00 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 30.00 | 1,393.00 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 15.00 |
| tblTripsAndVMT | WorkerTripNumber | 1,393.00 | 279.00 |
| tblWater | IndoorWaterUseRate | 8,144,253.20 | 4,472,304.06 |
| tblWater | IndoorWaterUseRate | 12,835,343.05 | 6,619,019.72 |
| tblWater | IndoorWaterUseRate | 1,111,087.82 | 909,125.22 |
| tblWater | IndoorWaterUseRate | 25,931,302.20 | 18,992,412.22 |
| tblWater | OutdoorWaterUseRate | 5,134,420.50 | 2,859,341.94 |
| tblWater | OutdoorWaterUseRate | 22,733,464.15 | 10,427,245.00 |
| tblWater | OutdoorWaterUseRate | 8,091,846.70 | 4,231,832.28 |
| tblWater | OutdoorWaterUseRate | 680,989.31 | 557,205.78 |
| tblWater | OutdoorWaterUseRate | 16,347,994.86 | 12,142,689.78 |

| | | | |
|---------------|-------------------|----------|------|
| tblWoodstoves | WoodstoveDayYear | 60.00 | 0.00 |
| tblWoodstoves | WoodstoveDayYear | 60.00 | 0.00 |
| tblWoodstoves | WoodstoveDayYear | 60.00 | 0.00 |
| tblWoodstoves | WoodstoveWoodMass | 2,016.50 | 0.00 |
| tblWoodstoves | WoodstoveWoodMass | 2,016.50 | 0.00 |
| tblWoodstoves | WoodstoveWoodMass | 2,016.50 | 0.00 |

2.0 Emissions Summary

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 | | | | | |
| 2019 | 0.8828 | 9.1757 | 7.3548 | 0.0104 | 1.7837 | 0.4416 | 2.2253 | 0.9741 | 0.4069 | 1.3810 | 0.0000 | 927.8427 | 927.8427 | 0.2851 | 0.0000 | 933.8296 |
| 2020 | 0.6575 | 5.9008 | 6.2384 | 0.0111 | 0.9669 | 0.2855 | 1.2524 | 0.3765 | 0.2647 | 0.6412 | 0.0000 | 902.8801 | 902.8801 | 0.2046 | 0.0000 | 907.1763 |
| 2021 | 0.3625 | 2.6119 | 3.6510 | 7.8200e-003 | 0.3505 | 0.1392 | 0.4897 | 0.0932 | 0.1316 | 0.2248 | 0.0000 | 585.5877 | 585.5877 | 0.0864 | 0.0000 | 587.4016 |
| 2022 | 0.3288 | 2.3418 | 3.5235 | 7.7900e-003 | 0.3492 | 0.1177 | 0.4669 | 0.0928 | 0.1113 | 0.2041 | 0.0000 | 579.4709 | 579.4709 | 0.0849 | 0.0000 | 581.2538 |
| 2023 | 11.0549 | 2.8888 | 6.9873 | 0.0162 | 1.1624 | 0.1058 | 1.2682 | 0.3690 | 0.0985 | 0.4675 | 0.0000 | 1,174.9383 | 1,174.9383 | 0.1046 | 0.0000 | 1,177.1353 |
| 2024 | 5.3746 | 4.0956 | 11.1419 | 0.0268 | 1.8675 | 0.1331 | 2.0006 | 0.5745 | 0.1238 | 0.6983 | 0.0000 | 1,923.9830 | 1,923.9830 | 0.1384 | 0.0000 | 1,926.8895 |
| 2025 | 8.1773 | 3.3805 | 8.7070 | 0.0212 | 2.1077 | 0.1115 | 2.2192 | 0.7531 | 0.1035 | 0.8565 | 0.0000 | 1,527.0546 | 1,527.0546 | 0.1314 | 0.0000 | 1,529.8139 |
| 2026 | 0.7929 | 3.9029 | 9.6215 | 0.0240 | 1.8526 | 0.1310 | 1.9837 | 0.5831 | 0.1215 | 0.7045 | 0.0000 | 1,735.9670 | 1,735.9670 | 0.1645 | 0.0000 | 1,739.4213 |
| 2027 | 0.9858 | 4.0623 | 12.3758 | 0.0335 | 2.0263 | 0.1165 | 2.1427 | 0.5442 | 0.1087 | 0.6529 | 0.0000 | 2,342.9165 | 2,342.9165 | 0.1233 | 0.0000 | 2,345.5054 |
| 2028 | 8.2315 | 3.2422 | 9.4658 | 0.0268 | 1.6169 | 0.0961 | 1.7130 | 0.4341 | 0.0897 | 0.5238 | 0.0000 | 1,865.1408 | 1,865.1408 | 0.1032 | 0.0000 | 1,867.3089 |
| 2029 | 8.0624 | 2.6254 | 7.1479 | 0.0203 | 1.3017 | 0.0816 | 1.3833 | 0.3717 | 0.0760 | 0.4477 | 0.0000 | 1,417.5370 | 1,417.5370 | 0.0900 | 0.0000 | 1,419.4274 |
| Total | 44.9108 | 44.2279 | 86.2149 | 0.2058 | 15.3853 | 1.7596 | 17.1449 | 5.1661 | 1.6361 | 6.8022 | 0.0000 | 14,983.3187 | 14,983.3187 | 1.5164 | 0.0000 | 15,015.1628 |

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 | 11.6898 | 0.1130 | 9.8036 | 5.2000e-004 | | 0.0545 | 0.0545 | | 0.0545 | 0.0545 | 0.0000 | 16.0654 | 16.0654 | 0.0154 | 0.0000 | 16.3887 |
| Energy | 0.1031 | 0.8812 | 0.3758 | 5.6200e-003 | | 0.0712 | 0.0712 | | 0.0712 | 0.0712 | 0.0000 | 2,444.4848 | 2,444.4848 | 0.0840 | 0.0320 | 2,456.1771 |
| Mobile | 2.7570 | 5.4102 | 24.5521 | 0.0863 | 6.0518 | 0.1066 | 6.1584 | 1.6218 | 0.0984 | 1.7202 | 0.0000 | 5,711.6153 | 5,711.6153 | 0.1583 | 0.0000 | 5,714.9388 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 211.2202 | 0.0000 | 211.2202 | 12.4828 | 0.0000 | 473.3581 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 9.8326 | 79.5545 | 89.3871 | 1.0135 | 0.0246 | 118.2936 |
| Total | 14.5499 | 6.4044 | 34.7314 | 0.0925 | 6.0518 | 0.2323 | 6.2841 | 1.6218 | 0.2241 | 1.8459 | 221.0528 | 8,251.7199 | 8,472.7728 | 13.7539 | 0.0566 | 8,779.1563 |

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 | 10.8935 | 0.1130 | 9.8036 | 5.2000e-004 | | 0.0545 | 0.0545 | | 0.0545 | 0.0545 | 0.0000 | 16.0654 | 16.0654 | 0.0154 | 0.0000 | 16.3887 |
| Energy | 0.0816 | 0.6975 | 0.2974 | 4.4500e-003 | | 0.0564 | 0.0564 | | 0.0564 | 0.0564 | 0.0000 | 1,773.8117 | 1,773.8117 | 0.0592 | 0.0239 | 1,782.4463 |
| Mobile | 2.6112 | 4.6995 | 21.8951 | 0.0722 | 5.0236 | 0.0906 | 5.1143 | 1.3463 | 0.0837 | 1.4300 | 0.0000 | 4,774.7655 | 4,774.7655 | 0.1341 | 0.0000 | 4,777.5812 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 211.2202 | 0.0000 | 211.2202 | 12.4828 | 0.0000 | 473.3581 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 7.8661 | 64.3262 | 72.1923 | 0.8107 | 0.0197 | 95.3076 |
| Total | 13.5863 | 5.5099 | 31.9960 | 0.0772 | 5.0236 | 0.2015 | 5.2251 | 1.3463 | 0.1945 | 1.5408 | 219.0863 | 6,628.9688 | 6,848.0551 | 13.5021 | 0.0435 | 7,145.0819 |

| | ROG | NOx | CO | SO2 | 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 | 6.62 | 13.97 | 7.88 | 16.56 | 16.99 | 13.27 | 16.85 | 16.99 | 13.20 | 16.53 | 0.89 | 19.67 | 19.18 | 1.83 | 23.17 | 18.61 |

2.3 Vegetation

Vegetation

| | |
|--------------|-----------------|
| | CO2e |
| Category | MT |
| New Trees | 371.7000 |
| Total | 371.7000 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|---|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Offsite Construction – Site Preparation | Site Preparation | 1/1/2019 | 3/25/2019 | 5 | 60 | |
| 2 | Offsite Construction – Grading | Grading | 3/26/2019 | 10/28/2019 | 5 | 155 | |
| 3 | Offsite Construction – Paving | Paving | 10/29/2019 | 12/31/2019 | 5 | 46 | |
| 4 | Phase I – Site Preparation | Site Preparation | 1/1/2020 | 1/21/2020 | 5 | 15 | |
| 5 | Phase I, III, IV – Grading | Grading | 1/22/2020 | 7/14/2020 | 5 | 125 | |
| 6 | Phase I – Building Construction | Building Construction | 7/15/2020 | 1/31/2023 | 5 | 665 | |
| 7 | Phase I – Paving | Paving | 2/1/2023 | 2/21/2023 | 5 | 15 | |
| 8 | Phase I – Architectural Coating | Architectural Coating | 2/22/2023 | 5/9/2023 | 5 | 55 | |
| 9 | Phase II – Site Preparation | Site Preparation | 5/10/2023 | 5/30/2023 | 5 | 15 | |
| 10 | Phase II – Grading | Grading | 5/31/2023 | 7/11/2023 | 5 | 30 | |
| 11 | Phase II – Building Construction | Building Construction | 7/12/2023 | 11/28/2023 | 5 | 100 | |

| | | | | | | |
|----|---------------------------------------|-----------------------|------------|------------|---|-----|
| 12 | Phase II – Paving | Paving | 11/29/2023 | 12/19/2023 | 5 | 15 |
| 13 | Phase II – Architectural Coating | Architectural Coating | 12/20/2023 | 1/16/2024 | 5 | 20 |
| 14 | Phase III – Site Preparation | Site Preparation | 1/17/2024 | 2/13/2024 | 5 | 20 |
| 15 | Phase III – Grading | Grading | 2/14/2024 | 4/2/2024 | 5 | 35 |
| 16 | Phase III – Building Construction | Building Construction | 4/3/2024 | 7/22/2025 | 5 | 340 |
| 17 | Phase III – Architectural Coating | Architectural Coating | 7/23/2025 | 8/19/2025 | 5 | 20 |
| 18 | Phase III – Paving | Paving | 8/20/2025 | 9/16/2025 | 5 | 20 |
| 19 | Phases IV & V – Site Preparation | Site Preparation | 9/17/2025 | 11/11/2025 | 5 | 40 |
| 20 | Phases IV & V – Grading | Grading | 11/12/2025 | 5/19/2026 | 5 | 135 |
| 21 | Phases IV & V – Building Construction | Building Construction | 5/20/2026 | 10/10/2028 | 5 | 625 |
| 22 | Phases IV & V – Architectural Coating | Architectural Coating | 10/11/2028 | 11/28/2028 | 5 | 35 |
| 23 | Phases IV & V – Paving | Paving | 11/29/2028 | 1/9/2029 | 5 | 30 |
| 24 | Phase VI – Site Preparation | Site Preparation | 1/10/2029 | 1/16/2029 | 5 | 5 |
| 25 | Phase VI – Grading | Grading | 1/17/2029 | 2/6/2029 | 5 | 15 |
| 26 | Phase VI – Building Construction | Building Construction | 2/7/2029 | 9/4/2029 | 5 | 150 |
| 27 | Phase VI – Architectural Coating | Architectural Coating | 9/5/2029 | 9/28/2029 | 5 | 18 |
| 28 | Phase VI – Paving | Paving | 9/30/2029 | 10/5/2029 | 5 | 5 |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 2,102,760; Residential Outdoor: 700,920; Non-Residential Indoor: 2,716,339; Non-Residential Outdoor: 905,446 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---------------------------------|------------------------|--------|-------------|-------------|-------------|
| Phase I – Building Construction | Air Compressors | 1 | 6.00 | 78 | 0.48 |

| | | | | | |
|---|---------------------------|---|------|-----|------|
| Offsite Construction – Site Preparation | Excavators | 3 | 8.00 | 162 | 0.38 |
| Offsite Construction – Site Preparation | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Offsite Construction – Paving | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase I – Site Preparation | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase I – Site Preparation | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase I – Site Preparation | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase I, III, IV – Grading | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase I, III, IV – Grading | Rollers | 2 | 8.00 | 80 | 0.38 |
| Offsite Construction – Site Preparation | Rubber Tired Dozers | 2 | 8.00 | 255 | 0.40 |
| Offsite Construction – Paving | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase I – Site Preparation | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Offsite Construction – Paving | Graders | 1 | 8.00 | 174 | 0.41 |
| Offsite Construction – Paving | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase I, III, IV – Grading | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Offsite Construction – Grading | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Offsite Construction – Grading | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Offsite Construction – Paving | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase I – Site Preparation | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase II – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phase III – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phases IV & V – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phase VI – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phase I – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phase II – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase III – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phases IV & V – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase VI – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase I – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |

| | | | | | |
|---------------------------------------|----------------|---|------|-----|------|
| Phase II – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase III – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Offsite Construction – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phases IV & V – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase VI – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase I, III, IV – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase II – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase III – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phases IV & V – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase VI – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase I – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase II – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase III – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phases IV & V – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase VI – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase I – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase II – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phase III – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Offsite Construction – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phases IV & V – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phase VI – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phase I, III, IV – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phase II – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase III – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phases IV & V – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase VI – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Offsite Construction – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase I – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |

| | | | | | |
|----------------------------------|---------------------|---|------|-----|------|
| Phase II – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phase III – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phases IV & V – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phase VI – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Offsite Construction – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phase I – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phase II – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Phase III – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Phases IV & V – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Phase VI – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Offsite Construction – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Phase I – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Phase II – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase III – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phases IV & V – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase VI – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase I, III, IV – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase III – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phases IV & V – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phase VI – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phase I – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phase II – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phase II – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase III – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Offsite Construction – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phases IV & V – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase VI – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase I, III, IV – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |

| | | | | | |
|---|---------------------------|---|------|----|------|
| Phase II – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase III – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phases IV & V – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase VI – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase I – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase II – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase III – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phases IV & V – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase VI – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase I, III, IV – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Offsite Construction – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phase III – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phases IV & V – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phase VI – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phase II – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phase II – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase III – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phases IV & V – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase VI – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase I – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |

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 |
|---|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Offsite Construction – Site Preparation | 10 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Offsite Construction – Grading | 12 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Offsite Construction – Paving | 14 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I – Site Preparation | 12 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |

| | | | | | | | | | | |
|---------------------------------------|----|----------|--------|------|-------|------|-------|--------|---------|------|
| Phase I, III, IV – Grading | 14 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I – Building Construction | 10 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase III – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Building Construction | 9 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase III – Building Construction | 9 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Building Construction | 9 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Building Construction | 9 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Grading | 8 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase III – Grading | 8 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Grading | 8 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Grading | 8 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase III – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase III – Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Offsite Construction – Site Preparation - 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 | | | | | 0.3613 | 0.0000 | 0.3613 | 0.1986 | 0.0000 | 0.1986 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1276 | 1.2987 | 1.2005 | 1.5700e-003 | | 0.0681 | 0.0681 | | 0.0632 | 0.0632 | 0.0000 | 140.4159 | 140.4159 | 0.0405 | 0.0000 | 141.2655 |
| Total | 0.1276 | 1.2987 | 1.2005 | 1.5700e-003 | 0.3613 | 0.0681 | 0.4294 | 0.1986 | 0.0632 | 0.2618 | 0.0000 | 140.4159 | 140.4159 | 0.0405 | 0.0000 | 141.2655 |

3.2 Offsite Construction – Site Preparation - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.2800e-003 | 2.2000e-003 | 0.0186 | 5.0000e-005 | 4.3300e-003 | 3.0000e-005 | 4.3600e-003 | 1.1500e-003 | 3.0000e-005 | 1.1800e-003 | 0.0000 | 3.2922 | 3.2922 | 1.6000e-004 | 0.0000 | 3.2956 |
| Total | 1.2800e-003 | 2.2000e-003 | 0.0186 | 5.0000e-005 | 4.3300e-003 | 3.0000e-005 | 4.3600e-003 | 1.1500e-003 | 3.0000e-005 | 1.1800e-003 | 0.0000 | 3.2922 | 3.2922 | 1.6000e-004 | 0.0000 | 3.2956 |

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 | | | | | 0.1626 | 0.0000 | 0.1626 | 0.0894 | 0.0000 | 0.0894 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0562 | 1.3648 | 1.0390 | 1.5700e-003 | | 0.0426 | 0.0426 | | 0.0426 | 0.0426 | 0.0000 | 140.4157 | 140.4157 | 0.0405 | 0.0000 | 141.2653 |
| Total | 0.0562 | 1.3648 | 1.0390 | 1.5700e-003 | 0.1626 | 0.0426 | 0.2052 | 0.0894 | 0.0426 | 0.1320 | 0.0000 | 140.4157 | 140.4157 | 0.0405 | 0.0000 | 141.2653 |

3.2 Offsite Construction – Site Preparation - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.2800e-003 | 2.2000e-003 | 0.0186 | 5.0000e-005 | 4.3300e-003 | 3.0000e-005 | 4.3600e-003 | 1.1500e-003 | 3.0000e-005 | 1.1800e-003 | 0.0000 | 3.2922 | 3.2922 | 1.6000e-004 | 0.0000 | 3.2956 |
| Total | 1.2800e-003 | 2.2000e-003 | 0.0186 | 5.0000e-005 | 4.3300e-003 | 3.0000e-005 | 4.3600e-003 | 1.1500e-003 | 3.0000e-005 | 1.1800e-003 | 0.0000 | 3.2922 | 3.2922 | 1.6000e-004 | 0.0000 | 3.2956 |

3.3 Offsite Construction – Grading - 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 | | | | | 1.4001 | 0.0000 | 1.4001 | 0.7696 | 0.0000 | 0.7696 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.5747 | 6.2756 | 4.8019 | 6.6400e-003 | | 0.2972 | 0.2972 | | 0.2734 | 0.2734 | 0.0000 | 596.9588 | 596.9588 | 0.1889 | 0.0000 | 600.9251 |
| Total | 0.5747 | 6.2756 | 4.8019 | 6.6400e-003 | 1.4001 | 0.2972 | 1.6973 | 0.7696 | 0.2734 | 1.0430 | 0.0000 | 596.9588 | 596.9588 | 0.1889 | 0.0000 | 600.9251 |

3.3 Offsite Construction – Grading - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 3.9500e-003 | 6.8300e-003 | 0.0578 | 1.5000e-004 | 0.0134 | 9.0000e-005 | 0.0135 | 3.5700e-003 | 8.0000e-005 | 3.6500e-003 | 0.0000 | 10.2058 | 10.2058 | 5.0000e-004 | 0.0000 | 10.2163 |
| Total | 3.9500e-003 | 6.8300e-003 | 0.0578 | 1.5000e-004 | 0.0134 | 9.0000e-005 | 0.0135 | 3.5700e-003 | 8.0000e-005 | 3.6500e-003 | 0.0000 | 10.2058 | 10.2058 | 5.0000e-004 | 0.0000 | 10.2163 |

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 | | | | | 0.6301 | 0.0000 | 0.6301 | 0.3463 | 0.0000 | 0.3463 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.2027 | 5.5716 | 4.0286 | 6.6400e-003 | | 0.1502 | 0.1502 | | 0.1502 | 0.1502 | 0.0000 | 596.9581 | 596.9581 | 0.1889 | 0.0000 | 600.9244 |
| Total | 0.2027 | 5.5716 | 4.0286 | 6.6400e-003 | 0.6301 | 0.1502 | 0.7803 | 0.3463 | 0.1502 | 0.4965 | 0.0000 | 596.9581 | 596.9581 | 0.1889 | 0.0000 | 600.9244 |

3.3 Offsite Construction – Grading - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 3.9500e-003 | 6.8300e-003 | 0.0578 | 1.5000e-004 | 0.0134 | 9.0000e-005 | 0.0135 | 3.5700e-003 | 8.0000e-005 | 3.6500e-003 | 0.0000 | 10.2058 | 10.2058 | 5.0000e-004 | 0.0000 | 10.2163 |
| Total | 3.9500e-003 | 6.8300e-003 | 0.0578 | 1.5000e-004 | 0.0134 | 9.0000e-005 | 0.0135 | 3.5700e-003 | 8.0000e-005 | 3.6500e-003 | 0.0000 | 10.2058 | 10.2058 | 5.0000e-004 | 0.0000 | 10.2163 |

3.4 Offsite Construction – Paving - 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 | 0.1453 | 1.5901 | 1.2570 | 1.9300e-003 | | 0.0762 | 0.0762 | | 0.0701 | 0.0701 | 0.0000 | 173.6048 | 173.6048 | 0.0549 | 0.0000 | 174.7583 |
| Paving | 0.0287 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.1740 | 1.5901 | 1.2570 | 1.9300e-003 | | 0.0762 | 0.0762 | | 0.0701 | 0.0701 | 0.0000 | 173.6048 | 173.6048 | 0.0549 | 0.0000 | 174.7583 |

3.4 Offsite Construction – Paving - 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 | 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 | 0.0000 |
| Worker | 1.3000e-003 | 2.2500e-003 | 0.0191 | 5.0000e-005 | 4.4300e-003 | 3.0000e-005 | 4.4600e-003 | 1.1800e-003 | 3.0000e-005 | 1.2000e-003 | 0.0000 | 3.3653 | 3.3653 | 1.7000e-004 | 0.0000 | 3.3688 | |
| Total | 1.3000e-003 | 2.2500e-003 | 0.0191 | 5.0000e-005 | 4.4300e-003 | 3.0000e-005 | 4.4600e-003 | 1.1800e-003 | 3.0000e-005 | 1.2000e-003 | 0.0000 | 3.3653 | 3.3653 | 1.7000e-004 | 0.0000 | 3.3688 | |

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 | 0.0645 | 1.6249 | 1.2620 | 1.9300e-003 | | 0.0468 | 0.0468 | | 0.0468 | 0.0468 | 0.0000 | 173.6046 | 173.6046 | 0.0549 | 0.0000 | 174.7581 |
| Paving | 0.0287 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0932 | 1.6249 | 1.2620 | 1.9300e-003 | | 0.0468 | 0.0468 | | 0.0468 | 0.0468 | 0.0000 | 173.6046 | 173.6046 | 0.0549 | 0.0000 | 174.7581 |

3.4 Offsite Construction – Paving - 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.3000e-003 | 2.2500e-003 | 0.0191 | 5.0000e-005 | 4.4300e-003 | 3.0000e-005 | 4.4600e-003 | 1.1800e-003 | 3.0000e-005 | 1.2000e-003 | 0.0000 | 3.3653 | 3.3653 | 1.7000e-004 | 0.0000 | 3.3688 |
| Total | 1.3000e-003 | 2.2500e-003 | 0.0191 | 5.0000e-005 | 4.4300e-003 | 3.0000e-005 | 4.4600e-003 | 1.1800e-003 | 3.0000e-005 | 1.2000e-003 | 0.0000 | 3.3653 | 3.3653 | 1.7000e-004 | 0.0000 | 3.3688 |

3.5 Phase I – Site Preparation - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1355 | 0.0000 | 0.1355 | 0.0745 | 0.0000 | 0.0745 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0375 | 0.3715 | 0.3046 | 4.0000e-004 | | 0.0188 | 0.0188 | | 0.0175 | 0.0175 | 0.0000 | 34.9154 | 34.9154 | 9.9100e-003 | 0.0000 | 35.1236 |
| Total | 0.0375 | 0.3715 | 0.3046 | 4.0000e-004 | 0.1355 | 0.0188 | 0.1543 | 0.0745 | 0.0175 | 0.0920 | 0.0000 | 34.9154 | 34.9154 | 9.9100e-003 | 0.0000 | 35.1236 |

3.5 Phase I – Site Preparation - 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 | 0.0000 |
| Vendor | 0.0362 | 0.1881 | 0.4383 | 6.0000e-004 | 0.0159 | 2.5800e-003 | 0.0184 | 4.5400e-003 | 2.3700e-003 | 6.9100e-003 | 0.0000 | 50.8093 | 50.8093 | 4.0000e-004 | 0.0000 | 50.8178 | |
| Worker | 0.0267 | 0.0465 | 0.3898 | 1.1300e-003 | 0.1006 | 6.7000e-004 | 0.1013 | 0.0267 | 6.2000e-004 | 0.0274 | 0.0000 | 73.3579 | 73.3579 | 3.5100e-003 | 0.0000 | 73.4316 | |
| Total | 0.0630 | 0.2346 | 0.8281 | 1.7300e-003 | 0.1165 | 3.2500e-003 | 0.1197 | 0.0313 | 2.9900e-003 | 0.0343 | 0.0000 | 124.1672 | 124.1672 | 3.9100e-003 | 0.0000 | 124.2494 | |

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 | | | | | 0.0610 | 0.0000 | 0.0610 | 0.0335 | 0.0000 | 0.0335 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0129 | 0.3439 | 0.2389 | 4.0000e-004 | | 0.0103 | 0.0103 | | 0.0103 | 0.0103 | 0.0000 | 34.9154 | 34.9154 | 9.9100e-003 | 0.0000 | 35.1235 |
| Total | 0.0129 | 0.3439 | 0.2389 | 4.0000e-004 | 0.0610 | 0.0103 | 0.0713 | 0.0335 | 0.0103 | 0.0438 | 0.0000 | 34.9154 | 34.9154 | 9.9100e-003 | 0.0000 | 35.1235 |

3.5 Phase I – Site Preparation - 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 | 0.0362 | 0.1881 | 0.4383 | 6.0000e-004 | 0.0159 | 2.5800e-003 | 0.0184 | 4.5400e-003 | 2.3700e-003 | 6.9100e-003 | 0.0000 | 50.8093 | 50.8093 | 4.0000e-004 | 0.0000 | 50.8178 |
| Worker | 0.0267 | 0.0465 | 0.3898 | 1.1300e-003 | 0.1006 | 6.7000e-004 | 0.1013 | 0.0267 | 6.2000e-004 | 0.0274 | 0.0000 | 73.3579 | 73.3579 | 3.5100e-003 | 0.0000 | 73.4316 |
| Total | 0.0630 | 0.2346 | 0.8281 | 1.7300e-003 | 0.1165 | 3.2500e-003 | 0.1197 | 0.0313 | 2.9900e-003 | 0.0343 | 0.0000 | 124.1672 | 124.1672 | 3.9100e-003 | 0.0000 | 124.2494 |

3.6 Phase I, III, IV – Grading - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.5421 | 0.0000 | 0.5421 | 0.2248 | 0.0000 | 0.2248 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.3675 | 3.9480 | 3.2986 | 5.2500e-003 | | 0.1876 | 0.1876 | | 0.1726 | 0.1726 | 0.0000 | 461.4433 | 461.4433 | 0.1492 | 0.0000 | 464.5773 |
| Total | 0.3675 | 3.9480 | 3.2986 | 5.2500e-003 | 0.5421 | 0.1876 | 0.7296 | 0.2248 | 0.1726 | 0.3973 | 0.0000 | 461.4433 | 461.4433 | 0.1492 | 0.0000 | 464.5773 |

3.6 Phase I, III, IV – Grading - 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 | 2.4000e-003 | 4.1700e-003 | 0.0350 | 1.0000e-004 | 9.0300e-003 | 6.0000e-005 | 9.0900e-003 | 2.4000e-003 | 6.0000e-005 | 2.4500e-003 | 0.0000 | 6.5827 | 6.5827 | 3.1000e-004 | 0.0000 | 6.5893 |
| Total | 2.4000e-003 | 4.1700e-003 | 0.0350 | 1.0000e-004 | 9.0300e-003 | 6.0000e-005 | 9.0900e-003 | 2.4000e-003 | 6.0000e-005 | 2.4500e-003 | 0.0000 | 6.5827 | 6.5827 | 3.1000e-004 | 0.0000 | 6.5893 |

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 | | | | | 0.2439 | 0.0000 | 0.2439 | 0.1012 | 0.0000 | 0.1012 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1753 | 4.4154 | 3.4294 | 5.2500e-003 | | 0.1270 | 0.1270 | | 0.1270 | 0.1270 | 0.0000 | 461.4427 | 461.4427 | 0.1492 | 0.0000 | 464.5768 |
| Total | 0.1753 | 4.4154 | 3.4294 | 5.2500e-003 | 0.2439 | 0.1270 | 0.3710 | 0.1012 | 0.1270 | 0.2282 | 0.0000 | 461.4427 | 461.4427 | 0.1492 | 0.0000 | 464.5768 |

3.6 Phase I, III, IV – Grading - 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 | 2.4000e-003 | 4.1700e-003 | 0.0350 | 1.0000e-004 | 9.0300e-003 | 6.0000e-005 | 9.0900e-003 | 2.4000e-003 | 6.0000e-005 | 2.4500e-003 | 0.0000 | 6.5827 | 6.5827 | 3.1000e-004 | 0.0000 | 6.5893 |
| Total | 2.4000e-003 | 4.1700e-003 | 0.0350 | 1.0000e-004 | 9.0300e-003 | 6.0000e-005 | 9.0900e-003 | 2.4000e-003 | 6.0000e-005 | 2.4500e-003 | 0.0000 | 6.5827 | 6.5827 | 3.1000e-004 | 0.0000 | 6.5893 |

3.7 Phase I – 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 | 0.1436 | 1.2668 | 1.1370 | 1.8200e-003 | | 0.0747 | 0.0747 | | 0.0706 | 0.0706 | 0.0000 | 156.2713 | 156.2713 | 0.0355 | 0.0000 | 157.0165 |
| Total | 0.1436 | 1.2668 | 1.1370 | 1.8200e-003 | | 0.0747 | 0.0747 | | 0.0706 | 0.0706 | 0.0000 | 156.2713 | 156.2713 | 0.0355 | 0.0000 | 157.0165 |

3.7 Phase I – 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 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0435 | 0.0757 | 0.6350 | 1.8400e-003 | 0.1638 | 1.1000e-003 | 0.1649 | 0.0435 | 1.0200e-003 | 0.0446 | 0.0000 | 119.5002 | 119.5002 | 5.7200e-003 | 0.0000 | 119.6202 |
| Total | 0.0435 | 0.0757 | 0.6350 | 1.8400e-003 | 0.1638 | 1.1000e-003 | 0.1649 | 0.0435 | 1.0200e-003 | 0.0446 | 0.0000 | 119.5002 | 119.5002 | 5.7200e-003 | 0.0000 | 119.6202 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0727 | 1.5747 | 1.1985 | 1.8200e-003 | | 0.0608 | 0.0608 | | 0.0608 | 0.0608 | 0.0000 | 156.2711 | 156.2711 | 0.0355 | 0.0000 | 157.0163 |
| Total | 0.0727 | 1.5747 | 1.1985 | 1.8200e-003 | | 0.0608 | 0.0608 | | 0.0608 | 0.0608 | 0.0000 | 156.2711 | 156.2711 | 0.0355 | 0.0000 | 157.0163 |

3.7 Phase I – 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 | 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 | 0.0000 |
| Worker | 0.0435 | 0.0757 | 0.6350 | 1.8400e-003 | 0.1638 | 1.1000e-003 | 0.1649 | 0.0435 | 1.0200e-003 | 0.0446 | 0.0000 | 119.5002 | 119.5002 | 5.7200e-003 | 0.0000 | 119.6202 | 119.6202 |
| Total | 0.0435 | 0.0757 | 0.6350 | 1.8400e-003 | 0.1638 | 1.1000e-003 | 0.1649 | 0.0435 | 1.0200e-003 | 0.0446 | 0.0000 | 119.5002 | 119.5002 | 5.7200e-003 | 0.0000 | 119.6202 | 119.6202 |

3.7 Phase I – 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 | 0.2756 | 2.4622 | 2.3954 | 3.8900e-003 | | 0.1369 | 0.1369 | | 0.1295 | 0.1295 | 0.0000 | 334.3538 | 334.3538 | 0.0748 | 0.0000 | 335.9248 |
| Total | 0.2756 | 2.4622 | 2.3954 | 3.8900e-003 | | 0.1369 | 0.1369 | | 0.1295 | 0.1295 | 0.0000 | 334.3538 | 334.3538 | 0.0748 | 0.0000 | 335.9248 |

3.7 Phase I – Building Construction - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0868 | 0.1497 | 1.2556 | 3.9300e-003 | 0.3505 | 2.3300e-003 | 0.3529 | 0.0932 | 2.1600e-003 | 0.0953 | 0.0000 | 251.2339 | 251.2339 | 0.0116 | 0.0000 | 251.4767 |
| Total | 0.0868 | 0.1497 | 1.2556 | 3.9300e-003 | 0.3505 | 2.3300e-003 | 0.3529 | 0.0932 | 2.1600e-003 | 0.0953 | 0.0000 | 251.2339 | 251.2339 | 0.0116 | 0.0000 | 251.4767 |

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 | 0.1556 | 3.3687 | 2.5641 | 3.8900e-003 | | 0.1301 | 0.1301 | | 0.1301 | 0.1301 | 0.0000 | 334.3534 | 334.3534 | 0.0748 | 0.0000 | 335.9244 |
| Total | 0.1556 | 3.3687 | 2.5641 | 3.8900e-003 | | 0.1301 | 0.1301 | | 0.1301 | 0.1301 | 0.0000 | 334.3534 | 334.3534 | 0.0748 | 0.0000 | 335.9244 |

3.7 Phase I – 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 | 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 | 0.0000 |
| Worker | 0.0868 | 0.1497 | 1.2556 | 3.9300e-003 | 0.3505 | 2.3300e-003 | 0.3529 | 0.0932 | 2.1600e-003 | 0.0953 | 0.0000 | 251.2339 | 251.2339 | 0.0116 | 0.0000 | 251.4767 | |
| Total | 0.0868 | 0.1497 | 1.2556 | 3.9300e-003 | 0.3505 | 2.3300e-003 | 0.3529 | 0.0932 | 2.1600e-003 | 0.0953 | 0.0000 | 251.2339 | 251.2339 | 0.0116 | 0.0000 | 251.4767 | |

3.7 Phase I – Building Construction - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.2475 | 2.2028 | 2.3584 | 3.8700e-003 | | 0.1154 | 0.1154 | | 0.1092 | 0.1092 | 0.0000 | 333.1869 | 333.1869 | 0.0739 | 0.0000 | 334.7394 |
| Total | 0.2475 | 2.2028 | 2.3584 | 3.8700e-003 | | 0.1154 | 0.1154 | | 0.1092 | 0.1092 | 0.0000 | 333.1869 | 333.1869 | 0.0739 | 0.0000 | 334.7394 |

3.7 Phase I – Building Construction - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.1390 | 1.1652 | 3.9200e-003 | 0.3492 | 2.3200e-003 | 0.3515 | 0.0928 | 2.1500e-003 | 0.0949 | 0.0000 | 246.2840 | 246.2840 | 0.0110 | 0.0000 | 246.5144 |
| Total | 0.0813 | 0.1390 | 1.1652 | 3.9200e-003 | 0.3492 | 2.3200e-003 | 0.3515 | 0.0928 | 2.1500e-003 | 0.0949 | 0.0000 | 246.2840 | 246.2840 | 0.0110 | 0.0000 | 246.5144 |

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 | 0.1550 | 3.3558 | 2.5542 | 3.8700e-003 | | 0.1296 | 0.1296 | | 0.1296 | 0.1296 | 0.0000 | 333.1865 | 333.1865 | 0.0739 | 0.0000 | 334.7390 |
| Total | 0.1550 | 3.3558 | 2.5542 | 3.8700e-003 | | 0.1296 | 0.1296 | | 0.1296 | 0.1296 | 0.0000 | 333.1865 | 333.1865 | 0.0739 | 0.0000 | 334.7390 |

3.7 Phase I – Building Construction - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.1390 | 1.1652 | 3.9200e-003 | 0.3492 | 2.3200e-003 | 0.3515 | 0.0928 | 2.1500e-003 | 0.0949 | 0.0000 | 246.2840 | 246.2840 | 0.0110 | 0.0000 | 246.5144 |
| Total | 0.0813 | 0.1390 | 1.1652 | 3.9200e-003 | 0.3492 | 2.3200e-003 | 0.3515 | 0.0928 | 2.1500e-003 | 0.0949 | 0.0000 | 246.2840 | 246.2840 | 0.0110 | 0.0000 | 246.5144 |

3.7 Phase I – Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0193 | 0.1718 | 0.1982 | 3.3000e-004 | | 8.4400e-003 | 8.4400e-003 | | 7.9900e-003 | 7.9900e-003 | 0.0000 | 28.2015 | 28.2015 | 6.2000e-003 | 0.0000 | 28.3317 |
| Total | 0.0193 | 0.1718 | 0.1982 | 3.3000e-004 | | 8.4400e-003 | 8.4400e-003 | | 7.9900e-003 | 7.9900e-003 | 0.0000 | 28.2015 | 28.2015 | 6.2000e-003 | 0.0000 | 28.3317 |

3.7 Phase I – Building Construction - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 |
| Worker | 6.4700e-003 | 0.0110 | 0.0917 | 3.3000e-004 | 0.0296 | 2.0000e-004 | 0.0297 | 7.8500e-003 | 1.8000e-004 | 8.0300e-003 | 0.0000 | 20.5320 | 20.5320 | 8.9000e-004 | 0.0000 | 20.5507 | |
| Total | 6.4700e-003 | 0.0110 | 0.0917 | 3.3000e-004 | 0.0296 | 2.0000e-004 | 0.0297 | 7.8500e-003 | 1.8000e-004 | 8.0300e-003 | 0.0000 | 20.5320 | 20.5320 | 8.9000e-004 | 0.0000 | 20.5507 | |

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 | 0.0131 | 0.2840 | 0.2161 | 3.3000e-004 | | 0.0110 | 0.0110 | | 0.0110 | 0.0110 | 0.0000 | 28.2015 | 28.2015 | 6.2000e-003 | 0.0000 | 28.3316 |
| Total | 0.0131 | 0.2840 | 0.2161 | 3.3000e-004 | | 0.0110 | 0.0110 | | 0.0110 | 0.0110 | 0.0000 | 28.2015 | 28.2015 | 6.2000e-003 | 0.0000 | 28.3316 |

3.7 Phase I – Building Construction - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 |
| Worker | 6.4700e-003 | 0.0110 | 0.0917 | 3.3000e-004 | 0.0296 | 2.0000e-004 | 0.0297 | 7.8500e-003 | 1.8000e-004 | 8.0300e-003 | 0.0000 | 20.5320 | 20.5320 | 8.9000e-004 | 0.0000 | 20.5507 | |
| Total | 6.4700e-003 | 0.0110 | 0.0917 | 3.3000e-004 | 0.0296 | 2.0000e-004 | 0.0297 | 7.8500e-003 | 1.8000e-004 | 8.0300e-003 | 0.0000 | 20.5320 | 20.5320 | 8.9000e-004 | 0.0000 | 20.5507 | |

3.8 Phase I – Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 7.6000e-003 | 0.0750 | 0.1071 | 1.7000e-004 | | 3.7600e-003 | 3.7600e-003 | | 3.4600e-003 | 3.4600e-003 | 0.0000 | 14.7006 | 14.7006 | 4.7500e-003 | 0.0000 | 14.8004 |
| Paving | 0.0287 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0363 | 0.0750 | 0.1071 | 1.7000e-004 | | 3.7600e-003 | 3.7600e-003 | | 3.4600e-003 | 3.4600e-003 | 0.0000 | 14.7006 | 14.7006 | 4.7500e-003 | 0.0000 | 14.8004 |

3.8 Phase I – Paving - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 0.0000 |
| Worker | 2.4000e-004 | 4.0000e-004 | 3.3600e-003 | 1.0000e-005 | 1.0800e-003 | 1.0000e-005 | 1.0900e-003 | 2.9000e-004 | 1.0000e-005 | 2.9000e-004 | 0.0000 | 0.7526 | 0.7526 | 3.0000e-005 | 0.0000 | 0.7533 | |
| Total | 2.4000e-004 | 4.0000e-004 | 3.3600e-003 | 1.0000e-005 | 1.0800e-003 | 1.0000e-005 | 1.0900e-003 | 2.9000e-004 | 1.0000e-005 | 2.9000e-004 | 0.0000 | 0.7526 | 0.7526 | 3.0000e-005 | 0.0000 | 0.7533 | |

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 | 6.8400e-003 | 0.1478 | 0.1270 | 1.7000e-004 | | 4.9100e-003 | 4.9100e-003 | | 4.9100e-003 | 4.9100e-003 | 0.0000 | 14.7006 | 14.7006 | 4.7500e-003 | 0.0000 | 14.8004 |
| Paving | 0.0287 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0355 | 0.1478 | 0.1270 | 1.7000e-004 | | 4.9100e-003 | 4.9100e-003 | | 4.9100e-003 | 4.9100e-003 | 0.0000 | 14.7006 | 14.7006 | 4.7500e-003 | 0.0000 | 14.8004 |

3.8 Phase I – Paving - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.4000e-004 | 4.0000e-004 | 3.3600e-003 | 1.0000e-005 | 1.0800e-003 | 1.0000e-005 | 1.0900e-003 | 2.9000e-004 | 1.0000e-005 | 2.9000e-004 | 0.0000 | 0.7526 | 0.7526 | 3.0000e-005 | 0.0000 | 0.7533 |
| Total | 2.4000e-004 | 4.0000e-004 | 3.3600e-003 | 1.0000e-005 | 1.0800e-003 | 1.0000e-005 | 1.0900e-003 | 2.9000e-004 | 1.0000e-005 | 2.9000e-004 | 0.0000 | 0.7526 | 0.7526 | 3.0000e-005 | 0.0000 | 0.7533 |

3.9 Phase I – Architectural Coating - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 7.4455 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 5.2700e-003 | 0.0358 | 0.0498 | 8.0000e-005 | | 1.9500e-003 | 1.9500e-003 | | 1.9500e-003 | 1.9500e-003 | 0.0000 | 7.0215 | 7.0215 | 4.2000e-004 | 0.0000 | 7.0303 |
| Total | 7.4508 | 0.0358 | 0.0498 | 8.0000e-005 | | 1.9500e-003 | 1.9500e-003 | | 1.9500e-003 | 1.9500e-003 | 0.0000 | 7.0215 | 7.0215 | 4.2000e-004 | 0.0000 | 7.0303 |

3.9 Phase I – Architectural Coating - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0162 | 0.0275 | 0.2293 | 8.3000e-004 | 0.0739 | 4.9000e-004 | 0.0744 | 0.0196 | 4.5000e-004 | 0.0201 | 0.0000 | 51.3301 | 51.3301 | 2.2200e-003 | 0.0000 | 51.3766 |
| Total | 0.0162 | 0.0275 | 0.2293 | 8.3000e-004 | 0.0739 | 4.9000e-004 | 0.0744 | 0.0196 | 4.5000e-004 | 0.0201 | 0.0000 | 51.3301 | 51.3301 | 2.2200e-003 | 0.0000 | 51.3766 |

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 | 7.4455 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.1300e-003 | 0.0647 | 0.0504 | 8.0000e-005 | | 2.6100e-003 | 2.6100e-003 | | 2.6100e-003 | 2.6100e-003 | 0.0000 | 7.0214 | 7.0214 | 4.2000e-004 | 0.0000 | 7.0303 |
| Total | 7.4486 | 0.0647 | 0.0504 | 8.0000e-005 | | 2.6100e-003 | 2.6100e-003 | | 2.6100e-003 | 2.6100e-003 | 0.0000 | 7.0214 | 7.0214 | 4.2000e-004 | 0.0000 | 7.0303 |

3.9 Phase I – Architectural Coating - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0162 | 0.0275 | 0.2293 | 8.3000e-004 | 0.0739 | 4.9000e-004 | 0.0744 | 0.0196 | 4.5000e-004 | 0.0201 | 0.0000 | 51.3301 | 51.3301 | 2.2200e-003 | 0.0000 | 51.3766 |
| Total | 0.0162 | 0.0275 | 0.2293 | 8.3000e-004 | 0.0739 | 4.9000e-004 | 0.0744 | 0.0196 | 4.5000e-004 | 0.0201 | 0.0000 | 51.3301 | 51.3301 | 2.2200e-003 | 0.0000 | 51.3766 |

3.10 Phase II – Site Preparation - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1355 | 0.0000 | 0.1355 | 0.0745 | 0.0000 | 0.0745 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0226 | 0.2245 | 0.2161 | 2.9000e-004 | | 0.0104 | 0.0104 | | 9.6000e-003 | 9.6000e-003 | 0.0000 | 25.8136 | 25.8136 | 8.3500e-003 | 0.0000 | 25.9890 |
| Total | 0.0226 | 0.2245 | 0.2161 | 2.9000e-004 | 0.1355 | 0.0104 | 0.1459 | 0.0745 | 9.6000e-003 | 0.0841 | 0.0000 | 25.8136 | 25.8136 | 8.3500e-003 | 0.0000 | 25.9890 |

3.10 Phase II – Site Preparation - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.8000e-004 | 4.8000e-004 | 4.0300e-003 | 1.0000e-005 | 1.3000e-003 | 1.0000e-005 | 1.3100e-003 | 3.5000e-004 | 1.0000e-005 | 3.5000e-004 | 0.0000 | 0.9032 | 0.9032 | 4.0000e-005 | 0.0000 | 0.9040 |
| Total | 2.8000e-004 | 4.8000e-004 | 4.0300e-003 | 1.0000e-005 | 1.3000e-003 | 1.0000e-005 | 1.3100e-003 | 3.5000e-004 | 1.0000e-005 | 3.5000e-004 | 0.0000 | 0.9032 | 0.9032 | 4.0000e-005 | 0.0000 | 0.9040 |

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 | | | | | 0.0610 | 0.0000 | 0.0610 | 0.0335 | 0.0000 | 0.0335 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 9.2200e-003 | 0.2582 | 0.1755 | 2.9000e-004 | | 7.2100e-003 | 7.2100e-003 | | 7.2100e-003 | 7.2100e-003 | 0.0000 | 25.8136 | 25.8136 | 8.3500e-003 | 0.0000 | 25.9889 |
| Total | 9.2200e-003 | 0.2582 | 0.1755 | 2.9000e-004 | 0.0610 | 7.2100e-003 | 0.0682 | 0.0335 | 7.2100e-003 | 0.0407 | 0.0000 | 25.8136 | 25.8136 | 8.3500e-003 | 0.0000 | 25.9889 |

3.10 Phase II – Site Preparation - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.8000e-004 | 4.8000e-004 | 4.0300e-003 | 1.0000e-005 | 1.3000e-003 | 1.0000e-005 | 1.3100e-003 | 3.5000e-004 | 1.0000e-005 | 3.5000e-004 | 0.0000 | 0.9032 | 0.9032 | 4.0000e-005 | 0.0000 | 0.9040 |
| Total | 2.8000e-004 | 4.8000e-004 | 4.0300e-003 | 1.0000e-005 | 1.3000e-003 | 1.0000e-005 | 1.3100e-003 | 3.5000e-004 | 1.0000e-005 | 3.5000e-004 | 0.0000 | 0.9032 | 0.9032 | 4.0000e-005 | 0.0000 | 0.9040 |

3.11 Phase II – Grading - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1301 | 0.0000 | 0.1301 | 0.0540 | 0.0000 | 0.0540 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0530 | 0.5241 | 0.5128 | 9.3000e-004 | | 0.0233 | 0.0233 | | 0.0215 | 0.0215 | 0.0000 | 81.4484 | 81.4484 | 0.0263 | 0.0000 | 82.0016 |
| Total | 0.0530 | 0.5241 | 0.5128 | 9.3000e-004 | 0.1301 | 0.0233 | 0.1534 | 0.0540 | 0.0215 | 0.0754 | 0.0000 | 81.4484 | 81.4484 | 0.0263 | 0.0000 | 82.0016 |

3.11 Phase II – Grading - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.3000e-004 | 1.0700e-003 | 8.9700e-003 | 3.0000e-005 | 2.8900e-003 | 2.0000e-005 | 2.9100e-003 | 7.7000e-004 | 2.0000e-005 | 7.9000e-004 | 0.0000 | 2.0070 | 2.0070 | 9.0000e-005 | 0.0000 | 2.0089 |
| Total | 6.3000e-004 | 1.0700e-003 | 8.9700e-003 | 3.0000e-005 | 2.8900e-003 | 2.0000e-005 | 2.9100e-003 | 7.7000e-004 | 2.0000e-005 | 7.9000e-004 | 0.0000 | 2.0070 | 2.0070 | 9.0000e-005 | 0.0000 | 2.0089 |

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 | | | | | 0.0586 | 0.0000 | 0.0586 | 0.0243 | 0.0000 | 0.0243 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0284 | 0.7642 | 0.5692 | 9.3000e-004 | | 0.0207 | 0.0207 | | 0.0207 | 0.0207 | 0.0000 | 81.4483 | 81.4483 | 0.0263 | 0.0000 | 82.0015 |
| Total | 0.0284 | 0.7642 | 0.5692 | 9.3000e-004 | 0.0586 | 0.0207 | 0.0792 | 0.0243 | 0.0207 | 0.0450 | 0.0000 | 81.4483 | 81.4483 | 0.0263 | 0.0000 | 82.0015 |

3.11 Phase II – Grading - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.3000e-004 | 1.0700e-003 | 8.9700e-003 | 3.0000e-005 | 2.8900e-003 | 2.0000e-005 | 2.9100e-003 | 7.7000e-004 | 2.0000e-005 | 7.9000e-004 | 0.0000 | 2.0070 | 2.0070 | 9.0000e-005 | 0.0000 | 2.0089 |
| Total | 6.3000e-004 | 1.0700e-003 | 8.9700e-003 | 3.0000e-005 | 2.8900e-003 | 2.0000e-005 | 2.9100e-003 | 7.7000e-004 | 2.0000e-005 | 7.9000e-004 | 0.0000 | 2.0070 | 2.0070 | 9.0000e-005 | 0.0000 | 2.0089 |

3.12 Phase II – Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0783 | 0.7156 | 0.8105 | 1.3400e-003 | | 0.0348 | 0.0348 | | 0.0328 | 0.0328 | 0.0000 | 115.4223 | 115.4223 | 0.0274 | 0.0000 | 115.9980 |
| Total | 0.0783 | 0.7156 | 0.8105 | 1.3400e-003 | | 0.0348 | 0.0348 | | 0.0328 | 0.0328 | 0.0000 | 115.4223 | 115.4223 | 0.0274 | 0.0000 | 115.9980 |

3.12 Phase II – Building Construction - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.2063 | 0.7678 | 2.5225 | 3.9800e-003 | 0.1058 | 0.0138 | 0.1196 | 0.0303 | 0.0127 | 0.0430 | 0.0000 | 336.8968 | 336.8968 | 2.5800e-003 | 0.0000 | 336.9510 |
| Worker | 0.1467 | 0.2493 | 2.0817 | 7.5200e-003 | 0.6705 | 4.4400e-003 | 0.6750 | 0.1782 | 4.1200e-003 | 0.1823 | 0.0000 | 465.9680 | 465.9680 | 0.0201 | 0.0000 | 466.3906 |
| Total | 0.3530 | 1.0170 | 4.6041 | 0.0115 | 0.7763 | 0.0182 | 0.7946 | 0.2085 | 0.0168 | 0.2253 | 0.0000 | 802.8648 | 802.8648 | 0.0227 | 0.0000 | 803.3416 |

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 | 0.0539 | 1.1731 | 0.8908 | 1.3400e-003 | | 0.0451 | 0.0451 | | 0.0451 | 0.0451 | 0.0000 | 115.4222 | 115.4222 | 0.0274 | 0.0000 | 115.9979 |
| Total | 0.0539 | 1.1731 | 0.8908 | 1.3400e-003 | | 0.0451 | 0.0451 | | 0.0451 | 0.0451 | 0.0000 | 115.4222 | 115.4222 | 0.0274 | 0.0000 | 115.9979 |

3.12 Phase II – Building Construction - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.2063 | 0.7678 | 2.5225 | 3.9800e-003 | 0.1058 | 0.0138 | 0.1196 | 0.0303 | 0.0127 | 0.0430 | 0.0000 | 336.8968 | 336.8968 | 2.5800e-003 | 0.0000 | 336.9510 |
| Worker | 0.1467 | 0.2493 | 2.0817 | 7.5200e-003 | 0.6705 | 4.4400e-003 | 0.6750 | 0.1782 | 4.1200e-003 | 0.1823 | 0.0000 | 465.9680 | 465.9680 | 0.0201 | 0.0000 | 466.3906 |
| Total | 0.3530 | 1.0170 | 4.6041 | 0.0115 | 0.7763 | 0.0182 | 0.7946 | 0.2085 | 0.0168 | 0.2253 | 0.0000 | 802.8648 | 802.8648 | 0.0227 | 0.0000 | 803.3416 |

3.13 Phase II – Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 7.6000e-003 | 0.0750 | 0.1071 | 1.7000e-004 | | 3.7600e-003 | 3.7600e-003 | | 3.4600e-003 | 3.4600e-003 | 0.0000 | 14.7006 | 14.7006 | 4.7500e-003 | 0.0000 | 14.8004 |
| Paving | 0.0287 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0363 | 0.0750 | 0.1071 | 1.7000e-004 | | 3.7600e-003 | 3.7600e-003 | | 3.4600e-003 | 3.4600e-003 | 0.0000 | 14.7006 | 14.7006 | 4.7500e-003 | 0.0000 | 14.8004 |

3.13 Phase II – Paving - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.4000e-004 | 4.0000e-004 | 3.3600e-003 | 1.0000e-005 | 1.0800e-003 | 1.0000e-005 | 1.0900e-003 | 2.9000e-004 | 1.0000e-005 | 2.9000e-004 | 0.0000 | 0.7526 | 0.7526 | 3.0000e-005 | 0.0000 | 0.7533 |
| Total | 2.4000e-004 | 4.0000e-004 | 3.3600e-003 | 1.0000e-005 | 1.0800e-003 | 1.0000e-005 | 1.0900e-003 | 2.9000e-004 | 1.0000e-005 | 2.9000e-004 | 0.0000 | 0.7526 | 0.7526 | 3.0000e-005 | 0.0000 | 0.7533 |

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 | 6.8400e-003 | 0.1478 | 0.1270 | 1.7000e-004 | | 4.9100e-003 | 4.9100e-003 | | 4.9100e-003 | 4.9100e-003 | 0.0000 | 14.7006 | 14.7006 | 4.7500e-003 | 0.0000 | 14.8004 |
| Paving | 0.0287 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0355 | 0.1478 | 0.1270 | 1.7000e-004 | | 4.9100e-003 | 4.9100e-003 | | 4.9100e-003 | 4.9100e-003 | 0.0000 | 14.7006 | 14.7006 | 4.7500e-003 | 0.0000 | 14.8004 |

3.13 Phase II – Paving - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.4000e-004 | 4.0000e-004 | 3.3600e-003 | 1.0000e-005 | 1.0800e-003 | 1.0000e-005 | 1.0900e-003 | 2.9000e-004 | 1.0000e-005 | 2.9000e-004 | 0.0000 | 0.7526 | 0.7526 | 3.0000e-005 | 0.0000 | 0.7533 |
| Total | 2.4000e-004 | 4.0000e-004 | 3.3600e-003 | 1.0000e-005 | 1.0800e-003 | 1.0000e-005 | 1.0900e-003 | 2.9000e-004 | 1.0000e-005 | 2.9000e-004 | 0.0000 | 0.7526 | 0.7526 | 3.0000e-005 | 0.0000 | 0.7533 |

3.14 Phase II – Architectural Coating - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 2.9782 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 7.7000e-004 | 5.2100e-003 | 7.2400e-003 | 1.0000e-005 | | 2.8000e-004 | 2.8000e-004 | | 2.8000e-004 | 2.8000e-004 | 0.0000 | 1.0213 | 1.0213 | 6.0000e-005 | 0.0000 | 1.0226 |
| Total | 2.9790 | 5.2100e-003 | 7.2400e-003 | 1.0000e-005 | | 2.8000e-004 | 2.8000e-004 | | 2.8000e-004 | 2.8000e-004 | 0.0000 | 1.0213 | 1.0213 | 6.0000e-005 | 0.0000 | 1.0226 |

3.14 Phase II – Architectural Coating - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.3500e-003 | 3.9900e-003 | 0.0334 | 1.2000e-004 | 0.0107 | 7.0000e-005 | 0.0108 | 2.8600e-003 | 7.0000e-005 | 2.9200e-003 | 0.0000 | 7.4662 | 7.4662 | 3.2000e-004 | 0.0000 | 7.4730 |
| Total | 2.3500e-003 | 3.9900e-003 | 0.0334 | 1.2000e-004 | 0.0107 | 7.0000e-005 | 0.0108 | 2.8600e-003 | 7.0000e-005 | 2.9200e-003 | 0.0000 | 7.4662 | 7.4662 | 3.2000e-004 | 0.0000 | 7.4730 |

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 | 2.9782 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 4.6000e-004 | 9.4100e-003 | 7.3300e-003 | 1.0000e-005 | | 3.8000e-004 | 3.8000e-004 | | 3.8000e-004 | 3.8000e-004 | 0.0000 | 1.0213 | 1.0213 | 6.0000e-005 | 0.0000 | 1.0226 |
| Total | 2.9787 | 9.4100e-003 | 7.3300e-003 | 1.0000e-005 | | 3.8000e-004 | 3.8000e-004 | | 3.8000e-004 | 3.8000e-004 | 0.0000 | 1.0213 | 1.0213 | 6.0000e-005 | 0.0000 | 1.0226 |

3.14 Phase II – Architectural Coating - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.3500e-003 | 3.9900e-003 | 0.0334 | 1.2000e-004 | 0.0107 | 7.0000e-005 | 0.0108 | 2.8600e-003 | 7.0000e-005 | 2.9200e-003 | 0.0000 | 7.4662 | 7.4662 | 3.2000e-004 | 0.0000 | 7.4730 |
| Total | 2.3500e-003 | 3.9900e-003 | 0.0334 | 1.2000e-004 | 0.0107 | 7.0000e-005 | 0.0108 | 2.8600e-003 | 7.0000e-005 | 2.9200e-003 | 0.0000 | 7.4662 | 7.4662 | 3.2000e-004 | 0.0000 | 7.4730 |

3.14 Phase II – Architectural Coating - 2024

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 | 4.4673 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.0800e-003 | 7.3100e-003 | 0.0109 | 2.0000e-005 | | 3.7000e-004 | 3.7000e-004 | | 3.7000e-004 | 3.7000e-004 | 0.0000 | 1.5320 | 1.5320 | 9.0000e-005 | 0.0000 | 1.5338 |
| Total | 4.4684 | 7.3100e-003 | 0.0109 | 2.0000e-005 | | 3.7000e-004 | 3.7000e-004 | | 3.7000e-004 | 3.7000e-004 | 0.0000 | 1.5320 | 1.5320 | 9.0000e-005 | 0.0000 | 1.5338 |

3.14 Phase II – Architectural Coating - 2024

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 | 3.3300e-003 | 5.6200e-003 | 0.0470 | 1.8000e-004 | 0.0161 | 1.1000e-004 | 0.0162 | 4.2800e-003 | 1.0000e-004 | 4.3800e-003 | 0.0000 | 11.0483 | 11.0483 | 4.6000e-004 | 0.0000 | 11.0581 |
| Total | 3.3300e-003 | 5.6200e-003 | 0.0470 | 1.8000e-004 | 0.0161 | 1.1000e-004 | 0.0162 | 4.2800e-003 | 1.0000e-004 | 4.3800e-003 | 0.0000 | 11.0483 | 11.0483 | 4.6000e-004 | 0.0000 | 11.0581 |

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 | 4.4673 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 6.8000e-004 | 0.0141 | 0.0110 | 2.0000e-005 | | 5.7000e-004 | 5.7000e-004 | | 5.7000e-004 | 5.7000e-004 | 0.0000 | 1.5320 | 1.5320 | 9.0000e-005 | 0.0000 | 1.5338 |
| Total | 4.4680 | 0.0141 | 0.0110 | 2.0000e-005 | | 5.7000e-004 | 5.7000e-004 | | 5.7000e-004 | 5.7000e-004 | 0.0000 | 1.5320 | 1.5320 | 9.0000e-005 | 0.0000 | 1.5338 |

3.14 Phase II – Architectural Coating - 2024

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 | 3.3300e-003 | 5.6200e-003 | 0.0470 | 1.8000e-004 | 0.0161 | 1.1000e-004 | 0.0162 | 4.2800e-003 | 1.0000e-004 | 4.3800e-003 | 0.0000 | 11.0483 | 11.0483 | 4.6000e-004 | 0.0000 | 11.0581 |
| Total | 3.3300e-003 | 5.6200e-003 | 0.0470 | 1.8000e-004 | 0.0161 | 1.1000e-004 | 0.0162 | 4.2800e-003 | 1.0000e-004 | 4.3800e-003 | 0.0000 | 11.0483 | 11.0483 | 4.6000e-004 | 0.0000 | 11.0581 |

3.15 Phase III – Site Preparation - 2024

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 | | | | | 0.1807 | 0.0000 | 0.1807 | 0.0993 | 0.0000 | 0.0993 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0282 | 0.2755 | 0.2760 | 3.9000e-004 | | 0.0125 | 0.0125 | | 0.0115 | 0.0115 | 0.0000 | 34.4215 | 34.4215 | 0.0111 | 0.0000 | 34.6552 |
| Total | 0.0282 | 0.2755 | 0.2760 | 3.9000e-004 | 0.1807 | 0.0125 | 0.1932 | 0.0993 | 0.0115 | 0.1108 | 0.0000 | 34.4215 | 34.4215 | 0.0111 | 0.0000 | 34.6552 |

3.15 Phase III – Site Preparation - 2024

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 | 3.6000e-004 | 6.0000e-004 | 5.0500e-003 | 2.0000e-005 | 1.7300e-003 | 1.0000e-005 | 1.7400e-003 | 4.6000e-004 | 1.0000e-005 | 4.7000e-004 | 0.0000 | 1.1880 | 1.1880 | 5.0000e-005 | 0.0000 | 1.1890 |
| Total | 3.6000e-004 | 6.0000e-004 | 5.0500e-003 | 2.0000e-005 | 1.7300e-003 | 1.0000e-005 | 1.7400e-003 | 4.6000e-004 | 1.0000e-005 | 4.7000e-004 | 0.0000 | 1.1880 | 1.1880 | 5.0000e-005 | 0.0000 | 1.1890 |

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 | | | | | 0.0813 | 0.0000 | 0.0813 | 0.0447 | 0.0000 | 0.0447 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0123 | 0.3442 | 0.2340 | 3.9000e-004 | | 9.6100e-003 | 9.6100e-003 | | 9.6100e-003 | 9.6100e-003 | 0.0000 | 34.4214 | 34.4214 | 0.0111 | 0.0000 | 34.6552 |
| Total | 0.0123 | 0.3442 | 0.2340 | 3.9000e-004 | 0.0813 | 9.6100e-003 | 0.0909 | 0.0447 | 9.6100e-003 | 0.0543 | 0.0000 | 34.4214 | 34.4214 | 0.0111 | 0.0000 | 34.6552 |

3.15 Phase III – Site Preparation - 2024

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 | 3.6000e-004 | 6.0000e-004 | 5.0500e-003 | 2.0000e-005 | 1.7300e-003 | 1.0000e-005 | 1.7400e-003 | 4.6000e-004 | 1.0000e-005 | 4.7000e-004 | 0.0000 | 1.1880 | 1.1880 | 5.0000e-005 | 0.0000 | 1.1890 |
| Total | 3.6000e-004 | 6.0000e-004 | 5.0500e-003 | 2.0000e-005 | 1.7300e-003 | 1.0000e-005 | 1.7400e-003 | 4.6000e-004 | 1.0000e-005 | 4.7000e-004 | 0.0000 | 1.1880 | 1.1880 | 5.0000e-005 | 0.0000 | 1.1890 |

3.16 Phase III – Grading - 2024

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 | | | | | 0.1518 | 0.0000 | 0.1518 | 0.0629 | 0.0000 | 0.0629 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0588 | 0.5634 | 0.5853 | 1.0800e-003 | | 0.0249 | 0.0249 | | 0.0229 | 0.0229 | 0.0000 | 95.0008 | 95.0008 | 0.0307 | 0.0000 | 95.6460 |
| Total | 0.0588 | 0.5634 | 0.5853 | 1.0800e-003 | 0.1518 | 0.0249 | 0.1767 | 0.0629 | 0.0229 | 0.0859 | 0.0000 | 95.0008 | 95.0008 | 0.0307 | 0.0000 | 95.6460 |

3.16 Phase III – Grading - 2024

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 | 1.1800e-003 | 9.8300e-003 | 4.0000e-005 | 3.3700e-003 | 2.0000e-005 | 3.3900e-003 | 9.0000e-004 | 2.0000e-005 | 9.2000e-004 | 0.0000 | 2.3100 | 2.3100 | 1.0000e-004 | 0.0000 | 2.3120 |
| Total | 7.0000e-004 | 1.1800e-003 | 9.8300e-003 | 4.0000e-005 | 3.3700e-003 | 2.0000e-005 | 3.3900e-003 | 9.0000e-004 | 2.0000e-005 | 9.2000e-004 | 0.0000 | 2.3100 | 2.3100 | 1.0000e-004 | 0.0000 | 2.3120 |

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 | | | | | 0.0683 | 0.0000 | 0.0683 | 0.0283 | 0.0000 | 0.0283 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0331 | 0.8916 | 0.6640 | 1.0800e-003 | | 0.0241 | 0.0241 | | 0.0241 | 0.0241 | 0.0000 | 95.0007 | 95.0007 | 0.0307 | 0.0000 | 95.6459 |
| Total | 0.0331 | 0.8916 | 0.6640 | 1.0800e-003 | 0.0683 | 0.0241 | 0.0924 | 0.0283 | 0.0241 | 0.0524 | 0.0000 | 95.0007 | 95.0007 | 0.0307 | 0.0000 | 95.6459 |

3.16 Phase III – Grading - 2024

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 | 1.1800e-003 | 9.8300e-003 | 4.0000e-005 | 3.3700e-003 | 2.0000e-005 | 3.3900e-003 | 9.0000e-004 | 2.0000e-005 | 9.2000e-004 | 0.0000 | 2.3100 | 2.3100 | 1.0000e-004 | 0.0000 | 2.3120 |
| Total | 7.0000e-004 | 1.1800e-003 | 9.8300e-003 | 4.0000e-005 | 3.3700e-003 | 2.0000e-005 | 3.3900e-003 | 9.0000e-004 | 2.0000e-005 | 9.2000e-004 | 0.0000 | 2.3100 | 2.3100 | 1.0000e-004 | 0.0000 | 2.3120 |

3.17 Phase III – Building Construction - 2024

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 | 0.1429 | 1.3043 | 1.5730 | 2.6200e-003 | | 0.0595 | 0.0595 | | 0.0560 | 0.0560 | 0.0000 | 225.1168 | 225.1168 | 0.0532 | 0.0000 | 226.2330 |
| Total | 0.1429 | 1.3043 | 1.5730 | 2.6200e-003 | | 0.0595 | 0.0595 | | 0.0560 | 0.0560 | 0.0000 | 225.1168 | 225.1168 | 0.0532 | 0.0000 | 226.2330 |

3.17 Phase III – Building Construction - 2024

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 | 0.4019 | 1.4814 | 4.8218 | 7.7600e-003 | 0.2063 | 0.0270 | 0.2333 | 0.0591 | 0.0249 | 0.0840 | 0.0000 | 656.9772 | 656.9772 | 5.0600e-003 | 0.0000 | 657.0834 |
| Worker | 0.2700 | 0.4563 | 3.8130 | 0.0147 | 1.3075 | 8.6500e-003 | 1.3162 | 0.3475 | 8.0300e-003 | 0.3555 | 0.0000 | 896.3886 | 896.3886 | 0.0376 | 0.0000 | 897.1790 |
| Total | 0.6719 | 1.9378 | 8.6348 | 0.0224 | 1.5138 | 0.0357 | 1.5495 | 0.4066 | 0.0329 | 0.4395 | 0.0000 | 1,553.3658 | 1,553.3658 | 0.0427 | 0.0000 | 1,554.2624 |

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 | 0.1051 | 2.2875 | 1.7370 | 2.6200e-003 | | 0.0879 | 0.0879 | | 0.0879 | 0.0879 | 0.0000 | 225.1165 | 225.1165 | 0.0532 | 0.0000 | 226.2327 |
| Total | 0.1051 | 2.2875 | 1.7370 | 2.6200e-003 | | 0.0879 | 0.0879 | | 0.0879 | 0.0879 | 0.0000 | 225.1165 | 225.1165 | 0.0532 | 0.0000 | 226.2327 |

3.17 Phase III – Building Construction - 2024

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 | 0.4019 | 1.4814 | 4.8218 | 7.7600e-003 | 0.2063 | 0.0270 | 0.2333 | 0.0591 | 0.0249 | 0.0840 | 0.0000 | 656.9772 | 656.9772 | 5.0600e-003 | 0.0000 | 657.0834 |
| Worker | 0.2700 | 0.4563 | 3.8130 | 0.0147 | 1.3075 | 8.6500e-003 | 1.3162 | 0.3475 | 8.0300e-003 | 0.3555 | 0.0000 | 896.3886 | 896.3886 | 0.0376 | 0.0000 | 897.1790 |
| Total | 0.6719 | 1.9378 | 8.6348 | 0.0224 | 1.5138 | 0.0357 | 1.5495 | 0.4066 | 0.0329 | 0.4395 | 0.0000 | 1,553.3658 | 1,553.3658 | 0.0427 | 0.0000 | 1,554.2624 |

3.17 Phase III – Building Construction - 2025

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 | 0.0987 | 0.8997 | 1.1638 | 1.9500e-003 | | 0.0381 | 0.0381 | | 0.0358 | 0.0358 | 0.0000 | 167.4455 | 167.4455 | 0.0393 | 0.0000 | 168.2708 |
| Total | 0.0987 | 0.8997 | 1.1638 | 1.9500e-003 | | 0.0381 | 0.0381 | | 0.0358 | 0.0358 | 0.0000 | 167.4455 | 167.4455 | 0.0393 | 0.0000 | 168.2708 |

3.17 Phase III – Building Construction - 2025

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 | 0.2915 | 1.0913 | 3.5334 | 5.7700e-003 | 0.1534 | 0.0202 | 0.1736 | 0.0439 | 0.0186 | 0.0625 | 0.0000 | 488.5545 | 488.5545 | 3.7700e-003 | 0.0000 | 488.6337 |
| Worker | 0.1911 | 0.3210 | 2.6894 | 0.0109 | 0.9723 | 6.4600e-003 | 0.9787 | 0.2584 | 5.9900e-003 | 0.2644 | 0.0000 | 658.5210 | 658.5210 | 0.0270 | 0.0000 | 659.0882 |
| Total | 0.4826 | 1.4122 | 6.2228 | 0.0167 | 1.1257 | 0.0266 | 1.1523 | 0.3023 | 0.0246 | 0.3269 | 0.0000 | 1,147.0755 | 1,147.0755 | 0.0308 | 0.0000 | 1,147.7219 |

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 | 0.0782 | 1.7010 | 1.2916 | 1.9500e-003 | | 0.0654 | 0.0654 | | 0.0654 | 0.0654 | 0.0000 | 167.4453 | 167.4453 | 0.0393 | 0.0000 | 168.2706 |
| Total | 0.0782 | 1.7010 | 1.2916 | 1.9500e-003 | | 0.0654 | 0.0654 | | 0.0654 | 0.0654 | 0.0000 | 167.4453 | 167.4453 | 0.0393 | 0.0000 | 168.2706 |

3.17 Phase III – Building Construction - 2025

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 | 0.2915 | 1.0913 | 3.5334 | 5.7700e-003 | 0.1534 | 0.0202 | 0.1736 | 0.0439 | 0.0186 | 0.0625 | 0.0000 | 488.5545 | 488.5545 | 3.7700e-003 | 0.0000 | 488.6337 |
| Worker | 0.1911 | 0.3210 | 2.6894 | 0.0109 | 0.9723 | 6.4600e-003 | 0.9787 | 0.2584 | 5.9900e-003 | 0.2644 | 0.0000 | 658.5210 | 658.5210 | 0.0270 | 0.0000 | 659.0882 |
| Total | 0.4826 | 1.4122 | 6.2228 | 0.0167 | 1.1257 | 0.0266 | 1.1523 | 0.3023 | 0.0246 | 0.3269 | 0.0000 | 1,147.0755 | 1,147.0755 | 0.0308 | 0.0000 | 1,147.7219 |

3.18 Phase III – Architectural Coating - 2025

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 | 7.4455 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.7100e-003 | 0.0115 | 0.0181 | 3.0000e-005 | | 5.2000e-004 | 5.2000e-004 | | 5.2000e-004 | 5.2000e-004 | 0.0000 | 2.5533 | 2.5533 | 1.4000e-004 | 0.0000 | 2.5562 |
| Total | 7.4472 | 0.0115 | 0.0181 | 3.0000e-005 | | 5.2000e-004 | 5.2000e-004 | | 5.2000e-004 | 5.2000e-004 | 0.0000 | 2.5533 | 2.5533 | 1.4000e-004 | 0.0000 | 2.5562 |

3.18 Phase III – Architectural Coating - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.2800e-003 | 8.8700e-003 | 0.0743 | 3.0000e-004 | 0.0269 | 1.8000e-004 | 0.0270 | 7.1400e-003 | 1.7000e-004 | 7.3000e-003 | 0.0000 | 18.1922 | 18.1922 | 7.5000e-004 | 0.0000 | 18.2079 |
| Total | 5.2800e-003 | 8.8700e-003 | 0.0743 | 3.0000e-004 | 0.0269 | 1.8000e-004 | 0.0270 | 7.1400e-003 | 1.7000e-004 | 7.3000e-003 | 0.0000 | 18.1922 | 18.1922 | 7.5000e-004 | 0.0000 | 18.2079 |

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 | 7.4455 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.1400e-003 | 0.0235 | 0.0183 | 3.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | 0.0000 | 2.5533 | 2.5533 | 1.4000e-004 | 0.0000 | 2.5562 |
| Total | 7.4467 | 0.0235 | 0.0183 | 3.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 9.5000e-004 | 9.5000e-004 | 0.0000 | 2.5533 | 2.5533 | 1.4000e-004 | 0.0000 | 2.5562 |

3.18 Phase III – Architectural Coating - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.2800e-003 | 8.8700e-003 | 0.0743 | 3.0000e-004 | 0.0269 | 1.8000e-004 | 0.0270 | 7.1400e-003 | 1.7000e-004 | 7.3000e-003 | 0.0000 | 18.1922 | 18.1922 | 7.5000e-004 | 0.0000 | 18.2079 |
| Total | 5.2800e-003 | 8.8700e-003 | 0.0743 | 3.0000e-004 | 0.0269 | 1.8000e-004 | 0.0270 | 7.1400e-003 | 1.7000e-004 | 7.3000e-003 | 0.0000 | 18.1922 | 18.1922 | 7.5000e-004 | 0.0000 | 18.2079 |

3.19 Phase III – Paving - 2025

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 | 8.9700e-003 | 0.0842 | 0.1428 | 2.2000e-004 | | 4.1100e-003 | 4.1100e-003 | | 3.7800e-003 | 3.7800e-003 | 0.0000 | 19.5934 | 19.5934 | 6.3400e-003 | 0.0000 | 19.7264 |
| Paving | 0.0287 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0377 | 0.0842 | 0.1428 | 2.2000e-004 | | 4.1100e-003 | 4.1100e-003 | | 3.7800e-003 | 3.7800e-003 | 0.0000 | 19.5934 | 19.5934 | 6.3400e-003 | 0.0000 | 19.7264 |

3.19 Phase III – Paving - 2025

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 | 4.8000e-004 | 3.9900e-003 | 2.0000e-005 | 1.4400e-003 | 1.0000e-005 | 1.4500e-003 | 3.8000e-004 | 1.0000e-005 | 3.9000e-004 | 0.0000 | 0.9781 | 0.9781 | 4.0000e-005 | 0.0000 | 0.9789 |
| Total | 2.8000e-004 | 4.8000e-004 | 3.9900e-003 | 2.0000e-005 | 1.4400e-003 | 1.0000e-005 | 1.4500e-003 | 3.8000e-004 | 1.0000e-005 | 3.9000e-004 | 0.0000 | 0.9781 | 0.9781 | 4.0000e-005 | 0.0000 | 0.9789 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 9.1200e-003 | 0.1970 | 0.1693 | 2.2000e-004 | | 6.5400e-003 | 6.5400e-003 | | 6.5400e-003 | 6.5400e-003 | 0.0000 | 19.5933 | 19.5933 | 6.3400e-003 | 0.0000 | 19.7264 |
| Paving | 0.0287 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0378 | 0.1970 | 0.1693 | 2.2000e-004 | | 6.5400e-003 | 6.5400e-003 | | 6.5400e-003 | 6.5400e-003 | 0.0000 | 19.5933 | 19.5933 | 6.3400e-003 | 0.0000 | 19.7264 |

3.19 Phase III – Paving - 2025

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 | 4.8000e-004 | 3.9900e-003 | 2.0000e-005 | 1.4400e-003 | 1.0000e-005 | 1.4500e-003 | 3.8000e-004 | 1.0000e-005 | 3.9000e-004 | 0.0000 | 0.9781 | 0.9781 | 4.0000e-005 | 0.0000 | 0.9789 |
| Total | 2.8000e-004 | 4.8000e-004 | 3.9900e-003 | 2.0000e-005 | 1.4400e-003 | 1.0000e-005 | 1.4500e-003 | 3.8000e-004 | 1.0000e-005 | 3.9000e-004 | 0.0000 | 0.9781 | 0.9781 | 4.0000e-005 | 0.0000 | 0.9789 |

3.20 Phases IV & V – Site Preparation - 2025

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 | | | | | 0.3613 | 0.0000 | 0.3613 | 0.1986 | 0.0000 | 0.1986 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0502 | 0.4705 | 0.4978 | 7.8000e-004 | | 0.0206 | 0.0206 | | 0.0189 | 0.0189 | 0.0000 | 68.8343 | 68.8343 | 0.0223 | 0.0000 | 69.3018 |
| Total | 0.0502 | 0.4705 | 0.4978 | 7.8000e-004 | 0.3613 | 0.0206 | 0.3819 | 0.1986 | 0.0189 | 0.2176 | 0.0000 | 68.8343 | 68.8343 | 0.0223 | 0.0000 | 69.3018 |

3.20 Phases IV & V – Site Preparation - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.8000e-004 | 1.1400e-003 | 9.5900e-003 | 4.0000e-005 | 3.4700e-003 | 2.0000e-005 | 3.4900e-003 | 9.2000e-004 | 2.0000e-005 | 9.4000e-004 | 0.0000 | 2.3474 | 2.3474 | 1.0000e-004 | 0.0000 | 2.3494 |
| Total | 6.8000e-004 | 1.1400e-003 | 9.5900e-003 | 4.0000e-005 | 3.4700e-003 | 2.0000e-005 | 3.4900e-003 | 9.2000e-004 | 2.0000e-005 | 9.4000e-004 | 0.0000 | 2.3474 | 2.3474 | 1.0000e-004 | 0.0000 | 2.3494 |

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 | | | | | 0.1626 | 0.0000 | 0.1626 | 0.0894 | 0.0000 | 0.0894 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0246 | 0.6885 | 0.4680 | 7.8000e-004 | | 0.0192 | 0.0192 | | 0.0192 | 0.0192 | 0.0000 | 68.8342 | 68.8342 | 0.0223 | 0.0000 | 69.3017 |
| Total | 0.0246 | 0.6885 | 0.4680 | 7.8000e-004 | 0.1626 | 0.0192 | 0.1818 | 0.0894 | 0.0192 | 0.1086 | 0.0000 | 68.8342 | 68.8342 | 0.0223 | 0.0000 | 69.3017 |

3.20 Phases IV & V – Site Preparation - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.8000e-004 | 1.1400e-003 | 9.5900e-003 | 4.0000e-005 | 3.4700e-003 | 2.0000e-005 | 3.4900e-003 | 9.2000e-004 | 2.0000e-005 | 9.4000e-004 | 0.0000 | 2.3474 | 2.3474 | 1.0000e-004 | 0.0000 | 2.3494 |
| Total | 6.8000e-004 | 1.1400e-003 | 9.5900e-003 | 4.0000e-005 | 3.4700e-003 | 2.0000e-005 | 3.4900e-003 | 9.2000e-004 | 2.0000e-005 | 9.4000e-004 | 0.0000 | 2.3474 | 2.3474 | 1.0000e-004 | 0.0000 | 2.3494 |

3.21 Phases IV & V – Grading - 2025

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 | | | | | 0.5855 | 0.0000 | 0.5855 | 0.2428 | 0.0000 | 0.2428 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0540 | 0.4907 | 0.5643 | 1.1100e-003 | | 0.0214 | 0.0214 | | 0.0197 | 0.0197 | 0.0000 | 97.6878 | 97.6878 | 0.0316 | 0.0000 | 98.3513 |
| Total | 0.0540 | 0.4907 | 0.5643 | 1.1100e-003 | 0.5855 | 0.0214 | 0.6068 | 0.2428 | 0.0197 | 0.2624 | 0.0000 | 97.6878 | 97.6878 | 0.0316 | 0.0000 | 98.3513 |

3.21 Phases IV & V – Grading - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.8000e-004 | 1.1400e-003 | 9.5900e-003 | 4.0000e-005 | 3.4700e-003 | 2.0000e-005 | 3.4900e-003 | 9.2000e-004 | 2.0000e-005 | 9.4000e-004 | 0.0000 | 2.3474 | 2.3474 | 1.0000e-004 | 0.0000 | 2.3494 |
| Total | 6.8000e-004 | 1.1400e-003 | 9.5900e-003 | 4.0000e-005 | 3.4700e-003 | 2.0000e-005 | 3.4900e-003 | 9.2000e-004 | 2.0000e-005 | 9.4000e-004 | 0.0000 | 2.3474 | 2.3474 | 1.0000e-004 | 0.0000 | 2.3494 |

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 | | | | | 0.2635 | 0.0000 | 0.2635 | 0.1092 | 0.0000 | 0.1092 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0341 | 0.9170 | 0.6830 | 1.1100e-003 | | 0.0248 | 0.0248 | | 0.0248 | 0.0248 | 0.0000 | 97.6877 | 97.6877 | 0.0316 | 0.0000 | 98.3511 |
| Total | 0.0341 | 0.9170 | 0.6830 | 1.1100e-003 | 0.2635 | 0.0248 | 0.2883 | 0.1092 | 0.0248 | 0.1341 | 0.0000 | 97.6877 | 97.6877 | 0.0316 | 0.0000 | 98.3511 |

3.21 Phases IV & V – Grading - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.8000e-004 | 1.1400e-003 | 9.5900e-003 | 4.0000e-005 | 3.4700e-003 | 2.0000e-005 | 3.4900e-003 | 9.2000e-004 | 2.0000e-005 | 9.4000e-004 | 0.0000 | 2.3474 | 2.3474 | 1.0000e-004 | 0.0000 | 2.3494 |
| Total | 6.8000e-004 | 1.1400e-003 | 9.5900e-003 | 4.0000e-005 | 3.4700e-003 | 2.0000e-005 | 3.4900e-003 | 9.2000e-004 | 2.0000e-005 | 9.4000e-004 | 0.0000 | 2.3474 | 2.3474 | 1.0000e-004 | 0.0000 | 2.3494 |

3.21 Phases IV & V – Grading - 2026

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 | | | | | 0.5855 | 0.0000 | 0.5855 | 0.2428 | 0.0000 | 0.2428 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.1486 | 1.3494 | 1.5519 | 3.0600e-003 | | 0.0587 | 0.0587 | | 0.0540 | 0.0540 | 0.0000 | 268.6414 | 268.6414 | 0.0869 | 0.0000 | 270.4660 |
| Total | 0.1486 | 1.3494 | 1.5519 | 3.0600e-003 | 0.5855 | 0.0587 | 0.6442 | 0.2428 | 0.0540 | 0.2968 | 0.0000 | 268.6414 | 268.6414 | 0.0869 | 0.0000 | 270.4660 |

3.21 Phases IV & V – Grading - 2026

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.7900e-003 | 2.9900e-003 | 0.0252 | 1.1000e-004 | 9.5300e-003 | 6.0000e-005 | 9.5900e-003 | 2.5300e-003 | 6.0000e-005 | 2.5900e-003 | 0.0000 | 6.3872 | 6.3872 | 2.6000e-004 | 0.0000 | 6.3925 |
| Total | 1.7900e-003 | 2.9900e-003 | 0.0252 | 1.1000e-004 | 9.5300e-003 | 6.0000e-005 | 9.5900e-003 | 2.5300e-003 | 6.0000e-005 | 2.5900e-003 | 0.0000 | 6.3872 | 6.3872 | 2.6000e-004 | 0.0000 | 6.3925 |

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 | | | | | 0.2635 | 0.0000 | 0.2635 | 0.1092 | 0.0000 | 0.1092 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0937 | 2.5219 | 1.8782 | 3.0600e-003 | | 0.0682 | 0.0682 | | 0.0682 | 0.0682 | 0.0000 | 268.6411 | 268.6411 | 0.0869 | 0.0000 | 270.4656 |
| Total | 0.0937 | 2.5219 | 1.8782 | 3.0600e-003 | 0.2635 | 0.0682 | 0.3317 | 0.1092 | 0.0682 | 0.1775 | 0.0000 | 268.6411 | 268.6411 | 0.0869 | 0.0000 | 270.4656 |

3.21 Phases IV & V – Grading - 2026

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.7900e-003 | 2.9900e-003 | 0.0252 | 1.1000e-004 | 9.5300e-003 | 6.0000e-005 | 9.5900e-003 | 2.5300e-003 | 6.0000e-005 | 2.5900e-003 | 0.0000 | 6.3872 | 6.3872 | 2.6000e-004 | 0.0000 | 6.3925 |
| Total | 1.7900e-003 | 2.9900e-003 | 0.0252 | 1.1000e-004 | 9.5300e-003 | 6.0000e-005 | 9.5900e-003 | 2.5300e-003 | 6.0000e-005 | 2.5900e-003 | 0.0000 | 6.3872 | 6.3872 | 2.6000e-004 | 0.0000 | 6.3925 |

3.22 Phases IV & V – Building Construction - 2026

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 | 0.1103 | 1.0052 | 1.3002 | 2.1700e-003 | | 0.0425 | 0.0425 | | 0.0400 | 0.0400 | 0.0000 | 187.0770 | 187.0770 | 0.0439 | 0.0000 | 187.9991 |
| Total | 0.1103 | 1.0052 | 1.3002 | 2.1700e-003 | | 0.0425 | 0.0425 | | 0.0400 | 0.0400 | 0.0000 | 187.0770 | 187.0770 | 0.0439 | 0.0000 | 187.9991 |

3.22 Phases IV & V – Building Construction - 2026

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 | 0.3283 | 1.2040 | 3.8774 | 6.4500e-003 | 0.1714 | 0.0224 | 0.1938 | 0.0491 | 0.0206 | 0.0697 | 0.0000 | 545.9004 | 545.9004 | 4.2000e-003 | 0.0000 | 545.9886 |
| Worker | 0.2039 | 0.3413 | 2.8669 | 0.0122 | 1.0863 | 7.2800e-003 | 1.0935 | 0.2887 | 6.7500e-003 | 0.2954 | 0.0000 | 727.9611 | 727.9611 | 0.0292 | 0.0000 | 728.5751 |
| Total | 0.5323 | 1.5453 | 6.7443 | 0.0186 | 1.2577 | 0.0297 | 1.2874 | 0.3378 | 0.0274 | 0.3651 | 0.0000 | 1,273.8614 | 1,273.8614 | 0.0334 | 0.0000 | 1,274.5637 |

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 | 0.0873 | 1.9004 | 1.4431 | 2.1700e-003 | | 0.0730 | 0.0730 | | 0.0730 | 0.0730 | 0.0000 | 187.0768 | 187.0768 | 0.0439 | 0.0000 | 187.9989 |
| Total | 0.0873 | 1.9004 | 1.4431 | 2.1700e-003 | | 0.0730 | 0.0730 | | 0.0730 | 0.0730 | 0.0000 | 187.0768 | 187.0768 | 0.0439 | 0.0000 | 187.9989 |

3.22 Phases IV & V – Building Construction - 2026

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 | 0.3283 | 1.2040 | 3.8774 | 6.4500e-003 | 0.1714 | 0.0224 | 0.1938 | 0.0491 | 0.0206 | 0.0697 | 0.0000 | 545.9004 | 545.9004 | 4.2000e-003 | 0.0000 | 545.9886 |
| Worker | 0.2039 | 0.3413 | 2.8669 | 0.0122 | 1.0863 | 7.2800e-003 | 1.0935 | 0.2887 | 6.7500e-003 | 0.2954 | 0.0000 | 727.9611 | 727.9611 | 0.0292 | 0.0000 | 728.5751 |
| Total | 0.5323 | 1.5453 | 6.7443 | 0.0186 | 1.2577 | 0.0297 | 1.2874 | 0.3378 | 0.0274 | 0.3651 | 0.0000 | 1,273.8614 | 1,273.8614 | 0.0334 | 0.0000 | 1,274.5637 |

3.22 Phases IV & V – Building Construction - 2027

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 | 0.1777 | 1.6195 | 2.0948 | 3.5000e-003 | | 0.0685 | 0.0685 | | 0.0645 | 0.0645 | 0.0000 | 301.4019 | 301.4019 | 0.0707 | 0.0000 | 302.8874 |
| Total | 0.1777 | 1.6195 | 2.0948 | 3.5000e-003 | | 0.0685 | 0.0685 | | 0.0645 | 0.0645 | 0.0000 | 301.4019 | 301.4019 | 0.0707 | 0.0000 | 302.8874 |

3.22 Phases IV & V – Building Construction - 2027

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 | 0.4935 | 1.9182 | 5.8608 | 0.0104 | 0.2762 | 0.0362 | 0.3123 | 0.0791 | 0.0333 | 0.1124 | 0.0000 | 879.5792 | 879.5792 | 6.7800e-003 | 0.0000 | 879.7216 |
| Worker | 0.3146 | 0.5247 | 4.4203 | 0.0196 | 1.7501 | 0.0118 | 1.7619 | 0.4651 | 0.0110 | 0.4760 | 0.0000 | 1,161.9355 | 1,161.9355 | 0.0458 | 0.0000 | 1,162.8964 |
| Total | 0.8081 | 2.4428 | 10.2811 | 0.0300 | 2.0263 | 0.0480 | 2.0742 | 0.5442 | 0.0442 | 0.5884 | 0.0000 | 2,041.5146 | 2,041.5146 | 0.0525 | 0.0000 | 2,042.6180 |

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 | 0.1407 | 3.0617 | 2.3249 | 3.5000e-003 | | 0.1177 | 0.1177 | | 0.1177 | 0.1177 | 0.0000 | 301.4015 | 301.4015 | 0.0707 | 0.0000 | 302.8871 |
| Total | 0.1407 | 3.0617 | 2.3249 | 3.5000e-003 | | 0.1177 | 0.1177 | | 0.1177 | 0.1177 | 0.0000 | 301.4015 | 301.4015 | 0.0707 | 0.0000 | 302.8871 |

3.22 Phases IV & V – Building Construction - 2027

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 | 0.4935 | 1.9182 | 5.8608 | 0.0104 | 0.2762 | 0.0362 | 0.3123 | 0.0791 | 0.0333 | 0.1124 | 0.0000 | 879.5792 | 879.5792 | 6.7800e-003 | 0.0000 | 879.7216 |
| Worker | 0.3146 | 0.5247 | 4.4203 | 0.0196 | 1.7501 | 0.0118 | 1.7619 | 0.4651 | 0.0110 | 0.4760 | 0.0000 | 1,161.9355 | 1,161.9355 | 0.0458 | 0.0000 | 1,162.8964 |
| Total | 0.8081 | 2.4428 | 10.2811 | 0.0300 | 2.0263 | 0.0480 | 2.0742 | 0.5442 | 0.0442 | 0.5884 | 0.0000 | 2,041.5146 | 2,041.5146 | 0.0525 | 0.0000 | 2,042.6180 |

3.22 Phases IV & V – Building Construction - 2028

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 | 0.1375 | 1.2534 | 1.6212 | 2.7100e-003 | | 0.0530 | 0.0530 | | 0.0499 | 0.0499 | 0.0000 | 233.2689 | 233.2689 | 0.0548 | 0.0000 | 234.4186 |
| Total | 0.1375 | 1.2534 | 1.6212 | 2.7100e-003 | | 0.0530 | 0.0530 | | 0.0499 | 0.0499 | 0.0000 | 233.2689 | 233.2689 | 0.0548 | 0.0000 | 234.4186 |

3.22 Phases IV & V – Building Construction - 2028

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 | 0.3712 | 1.4697 | 4.2453 | 8.0300e-003 | 0.2138 | 0.0280 | 0.2417 | 0.0612 | 0.0257 | 0.0869 | 0.0000 | 680.8110 | 680.8110 | 5.2500e-003 | 0.0000 | 680.9213 |
| Worker | 0.2336 | 0.3883 | 3.2854 | 0.0152 | 1.3545 | 9.1900e-003 | 1.3637 | 0.3600 | 8.5300e-003 | 0.3685 | 0.0000 | 892.0110 | 892.0110 | 0.0345 | 0.0000 | 892.7350 |
| Total | 0.6048 | 1.8580 | 7.5306 | 0.0232 | 1.5682 | 0.0371 | 1.6054 | 0.4212 | 0.0342 | 0.4554 | 0.0000 | 1,572.8220 | 1,572.8220 | 0.0397 | 0.0000 | 1,573.6562 |

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 | 0.1089 | 2.3696 | 1.7994 | 2.7100e-003 | | 0.0911 | 0.0911 | | 0.0911 | 0.0911 | 0.0000 | 233.2686 | 233.2686 | 0.0548 | 0.0000 | 234.4183 |
| Total | 0.1089 | 2.3696 | 1.7994 | 2.7100e-003 | | 0.0911 | 0.0911 | | 0.0911 | 0.0911 | 0.0000 | 233.2686 | 233.2686 | 0.0548 | 0.0000 | 234.4183 |

3.22 Phases IV & V – Building Construction - 2028

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 | 0.3712 | 1.4697 | 4.2453 | 8.0300e-003 | 0.2138 | 0.0280 | 0.2417 | 0.0612 | 0.0257 | 0.0869 | 0.0000 | 680.8110 | 680.8110 | 5.2500e-003 | 0.0000 | 680.9213 |
| Worker | 0.2336 | 0.3883 | 3.2854 | 0.0152 | 1.3545 | 9.1900e-003 | 1.3637 | 0.3600 | 8.5300e-003 | 0.3685 | 0.0000 | 892.0110 | 892.0110 | 0.0345 | 0.0000 | 892.7350 |
| Total | 0.6048 | 1.8580 | 7.5306 | 0.0232 | 1.5682 | 0.0371 | 1.6054 | 0.4212 | 0.0342 | 0.4554 | 0.0000 | 1,572.8220 | 1,572.8220 | 0.0397 | 0.0000 | 1,573.6562 |

3.23 Phases IV & V – Architectural Coating - 2028

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 | 7.4455 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.9900e-003 | 0.0201 | 0.0317 | 5.0000e-005 | | 9.0000e-004 | 9.0000e-004 | | 9.0000e-004 | 9.0000e-004 | 0.0000 | 4.4682 | 4.4682 | 2.4000e-004 | 0.0000 | 4.4733 |
| Total | 7.4485 | 0.0201 | 0.0317 | 5.0000e-005 | | 9.0000e-004 | 9.0000e-004 | | 9.0000e-004 | 9.0000e-004 | 0.0000 | 4.4682 | 4.4682 | 2.4000e-004 | 0.0000 | 4.4733 |

3.23 Phases IV & V – Architectural Coating - 2028

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.1100e-003 | 0.0135 | 0.1140 | 5.3000e-004 | 0.0470 | 3.2000e-004 | 0.0473 | 0.0125 | 3.0000e-004 | 0.0128 | 0.0000 | 30.9557 | 30.9557 | 1.2000e-003 | 0.0000 | 30.9808 |
| Total | 8.1100e-003 | 0.0135 | 0.1140 | 5.3000e-004 | 0.0470 | 3.2000e-004 | 0.0473 | 0.0125 | 3.0000e-004 | 0.0128 | 0.0000 | 30.9557 | 30.9557 | 1.2000e-003 | 0.0000 | 30.9808 |

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 | 7.4455 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.9900e-003 | 0.0412 | 0.0321 | 5.0000e-005 | | 1.6600e-003 | 1.6600e-003 | | 1.6600e-003 | 1.6600e-003 | 0.0000 | 4.4682 | 4.4682 | 2.4000e-004 | 0.0000 | 4.4733 |
| Total | 7.4475 | 0.0412 | 0.0321 | 5.0000e-005 | | 1.6600e-003 | 1.6600e-003 | | 1.6600e-003 | 1.6600e-003 | 0.0000 | 4.4682 | 4.4682 | 2.4000e-004 | 0.0000 | 4.4733 |

3.23 Phases IV & V – Architectural Coating - 2028

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.1100e-003 | 0.0135 | 0.1140 | 5.3000e-004 | 0.0470 | 3.2000e-004 | 0.0473 | 0.0125 | 3.0000e-004 | 0.0128 | 0.0000 | 30.9557 | 30.9557 | 1.2000e-003 | 0.0000 | 30.9808 |
| Total | 8.1100e-003 | 0.0135 | 0.1140 | 5.3000e-004 | 0.0470 | 3.2000e-004 | 0.0473 | 0.0125 | 3.0000e-004 | 0.0128 | 0.0000 | 30.9557 | 30.9557 | 1.2000e-003 | 0.0000 | 30.9808 |

3.24 Phases IV & V – Paving - 2028

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 | 0.0103 | 0.0969 | 0.1642 | 2.6000e-004 | | 4.7300e-003 | 4.7300e-003 | | 4.3500e-003 | 4.3500e-003 | 0.0000 | 22.5324 | 22.5324 | 7.2900e-003 | 0.0000 | 22.6854 |
| Paving | 0.0220 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0323 | 0.0969 | 0.1642 | 2.6000e-004 | | 4.7300e-003 | 4.7300e-003 | | 4.3500e-003 | 4.3500e-003 | 0.0000 | 22.5324 | 22.5324 | 7.2900e-003 | 0.0000 | 22.6854 |

3.24 Phases IV & V – Paving - 2028

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.9000e-004 | 4.8000e-004 | 4.0300e-003 | 2.0000e-005 | 1.6600e-003 | 1.0000e-005 | 1.6700e-003 | 4.4000e-004 | 1.0000e-005 | 4.5000e-004 | 0.0000 | 1.0937 | 1.0937 | 4.0000e-005 | 0.0000 | 1.0946 |
| Total | 2.9000e-004 | 4.8000e-004 | 4.0300e-003 | 2.0000e-005 | 1.6600e-003 | 1.0000e-005 | 1.6700e-003 | 4.4000e-004 | 1.0000e-005 | 4.5000e-004 | 0.0000 | 1.0937 | 1.0937 | 4.0000e-005 | 0.0000 | 1.0946 |

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 | 0.0105 | 0.2266 | 0.1947 | 2.6000e-004 | | 7.5200e-003 | 7.5200e-003 | | 7.5200e-003 | 7.5200e-003 | 0.0000 | 22.5323 | 22.5323 | 7.2900e-003 | 0.0000 | 22.6854 |
| Paving | 0.0220 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0325 | 0.2266 | 0.1947 | 2.6000e-004 | | 7.5200e-003 | 7.5200e-003 | | 7.5200e-003 | 7.5200e-003 | 0.0000 | 22.5323 | 22.5323 | 7.2900e-003 | 0.0000 | 22.6854 |

3.24 Phases IV & V – Paving - 2028

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.9000e-004 | 4.8000e-004 | 4.0300e-003 | 2.0000e-005 | 1.6600e-003 | 1.0000e-005 | 1.6700e-003 | 4.4000e-004 | 1.0000e-005 | 4.5000e-004 | 0.0000 | 1.0937 | 1.0937 | 4.0000e-005 | 0.0000 | 1.0946 |
| Total | 2.9000e-004 | 4.8000e-004 | 4.0300e-003 | 2.0000e-005 | 1.6600e-003 | 1.0000e-005 | 1.6700e-003 | 4.4000e-004 | 1.0000e-005 | 4.5000e-004 | 0.0000 | 1.0937 | 1.0937 | 4.0000e-005 | 0.0000 | 1.0946 |

3.24 Phases IV & V – Paving - 2029

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 3.1400e-003 | 0.0295 | 0.0500 | 8.0000e-005 | | 1.4400e-003 | 1.4400e-003 | | 1.3200e-003 | 1.3200e-003 | 0.0000 | 6.8577 | 6.8577 | 2.2200e-003 | 0.0000 | 6.9043 |
| Paving | 6.6900e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 9.8300e-003 | 0.0295 | 0.0500 | 8.0000e-005 | | 1.4400e-003 | 1.4400e-003 | | 1.3200e-003 | 1.3200e-003 | 0.0000 | 6.8577 | 6.8577 | 2.2200e-003 | 0.0000 | 6.9043 |

3.24 Phases IV & V – Paving - 2029

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.0000e-005 | 1.4000e-004 | 1.1800e-003 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 5.1000e-004 | 1.3000e-004 | 0.0000 | 1.4000e-004 | 0.0000 | 0.3305 | 0.3305 | 1.0000e-005 | 0.0000 | 0.3308 |
| Total | 8.0000e-005 | 1.4000e-004 | 1.1800e-003 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 5.1000e-004 | 1.3000e-004 | 0.0000 | 1.4000e-004 | 0.0000 | 0.3305 | 0.3305 | 1.0000e-005 | 0.0000 | 0.3308 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 3.1900e-003 | 0.0690 | 0.0593 | 8.0000e-005 | | 2.2900e-003 | 2.2900e-003 | | 2.2900e-003 | 2.2900e-003 | 0.0000 | 6.8577 | 6.8577 | 2.2200e-003 | 0.0000 | 6.9042 |
| Paving | 6.6900e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 9.8800e-003 | 0.0690 | 0.0593 | 8.0000e-005 | | 2.2900e-003 | 2.2900e-003 | | 2.2900e-003 | 2.2900e-003 | 0.0000 | 6.8577 | 6.8577 | 2.2200e-003 | 0.0000 | 6.9042 |

3.24 Phases IV & V – Paving - 2029

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.0000e-005 | 1.4000e-004 | 1.1800e-003 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 5.1000e-004 | 1.3000e-004 | 0.0000 | 1.4000e-004 | 0.0000 | 0.3305 | 0.3305 | 1.0000e-005 | 0.0000 | 0.3308 |
| Total | 8.0000e-005 | 1.4000e-004 | 1.1800e-003 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 5.1000e-004 | 1.3000e-004 | 0.0000 | 1.4000e-004 | 0.0000 | 0.3305 | 0.3305 | 1.0000e-005 | 0.0000 | 0.3308 |

3.25 Phase VI – Site Preparation - 2029

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0452 | 0.0000 | 0.0452 | 0.0248 | 0.0000 | 0.0248 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 6.2700e-003 | 0.0588 | 0.0622 | 1.0000e-004 | | 2.5700e-003 | 2.5700e-003 | | 2.3700e-003 | 2.3700e-003 | 0.0000 | 8.6043 | 8.6043 | 2.7800e-003 | 0.0000 | 8.6627 |
| Total | 6.2700e-003 | 0.0588 | 0.0622 | 1.0000e-004 | 0.0452 | 2.5700e-003 | 0.0477 | 0.0248 | 2.3700e-003 | 0.0272 | 0.0000 | 8.6043 | 8.6043 | 2.7800e-003 | 0.0000 | 8.6627 |

3.25 Phase VI – Site Preparation - 2029

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-005 | 1.2000e-004 | 1.0100e-003 | 0.0000 | 4.3000e-004 | 0.0000 | 4.4000e-004 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 0.2833 | 0.2833 | 1.0000e-005 | 0.0000 | 0.2835 |
| Total | 7.0000e-005 | 1.2000e-004 | 1.0100e-003 | 0.0000 | 4.3000e-004 | 0.0000 | 4.4000e-004 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 0.2833 | 0.2833 | 1.0000e-005 | 0.0000 | 0.2835 |

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 | | | | | 0.0203 | 0.0000 | 0.0203 | 0.0112 | 0.0000 | 0.0112 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.0700e-003 | 0.0861 | 0.0585 | 1.0000e-004 | | 2.4000e-003 | 2.4000e-003 | | 2.4000e-003 | 2.4000e-003 | 0.0000 | 8.6043 | 8.6043 | 2.7800e-003 | 0.0000 | 8.6627 |
| Total | 3.0700e-003 | 0.0861 | 0.0585 | 1.0000e-004 | 0.0203 | 2.4000e-003 | 0.0227 | 0.0112 | 2.4000e-003 | 0.0136 | 0.0000 | 8.6043 | 8.6043 | 2.7800e-003 | 0.0000 | 8.6627 |

3.25 Phase VI – Site Preparation - 2029

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-005 | 1.2000e-004 | 1.0100e-003 | 0.0000 | 4.3000e-004 | 0.0000 | 4.4000e-004 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 0.2833 | 0.2833 | 1.0000e-005 | 0.0000 | 0.2835 |
| Total | 7.0000e-005 | 1.2000e-004 | 1.0100e-003 | 0.0000 | 4.3000e-004 | 0.0000 | 4.4000e-004 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 0.2833 | 0.2833 | 1.0000e-005 | 0.0000 | 0.2835 |

3.26 Phase VI – Grading - 2029

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 | | | | | 0.0651 | 0.0000 | 0.0651 | 0.0270 | 0.0000 | 0.0270 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0225 | 0.2045 | 0.2351 | 4.6000e-004 | | 8.9000e-003 | 8.9000e-003 | | 8.1900e-003 | 8.1900e-003 | 0.0000 | 40.7032 | 40.7032 | 0.0132 | 0.0000 | 40.9797 |
| Total | 0.0225 | 0.2045 | 0.2351 | 4.6000e-004 | 0.0651 | 8.9000e-003 | 0.0740 | 0.0270 | 8.1900e-003 | 0.0352 | 0.0000 | 40.7032 | 40.7032 | 0.0132 | 0.0000 | 40.9797 |

3.26 Phase VI – Grading - 2029

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 | 2.4000e-004 | 4.0000e-004 | 3.3600e-003 | 2.0000e-005 | 1.4400e-003 | 1.0000e-005 | 1.4500e-003 | 3.8000e-004 | 1.0000e-005 | 3.9000e-004 | 0.0000 | 0.9443 | 0.9443 | 4.0000e-005 | 0.0000 | 0.9451 |
| Total | 2.4000e-004 | 4.0000e-004 | 3.3600e-003 | 2.0000e-005 | 1.4400e-003 | 1.0000e-005 | 1.4500e-003 | 3.8000e-004 | 1.0000e-005 | 3.9000e-004 | 0.0000 | 0.9443 | 0.9443 | 4.0000e-005 | 0.0000 | 0.9451 |

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 | | | | | 0.0293 | 0.0000 | 0.0293 | 0.0121 | 0.0000 | 0.0121 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0142 | 0.3821 | 0.2846 | 4.6000e-004 | | 0.0103 | 0.0103 | | 0.0103 | 0.0103 | 0.0000 | 40.7032 | 40.7032 | 0.0132 | 0.0000 | 40.9796 |
| Total | 0.0142 | 0.3821 | 0.2846 | 4.6000e-004 | 0.0293 | 0.0103 | 0.0396 | 0.0121 | 0.0103 | 0.0225 | 0.0000 | 40.7032 | 40.7032 | 0.0132 | 0.0000 | 40.9796 |

3.26 Phase VI – Grading - 2029

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 | 2.4000e-004 | 4.0000e-004 | 3.3600e-003 | 2.0000e-005 | 1.4400e-003 | 1.0000e-005 | 1.4500e-003 | 3.8000e-004 | 1.0000e-005 | 3.9000e-004 | 0.0000 | 0.9443 | 0.9443 | 4.0000e-005 | 0.0000 | 0.9451 |
| Total | 2.4000e-004 | 4.0000e-004 | 3.3600e-003 | 2.0000e-005 | 1.4400e-003 | 1.0000e-005 | 1.4500e-003 | 3.8000e-004 | 1.0000e-005 | 3.9000e-004 | 0.0000 | 0.9443 | 0.9443 | 4.0000e-005 | 0.0000 | 0.9451 |

3.27 Phase VI – Building Construction - 2029

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 | 0.1021 | 0.9307 | 1.2039 | 2.0100e-003 | | 0.0394 | 0.0394 | | 0.0370 | 0.0370 | 0.0000 | 173.2195 | 173.2195 | 0.0407 | 0.0000 | 174.0732 |
| Total | 0.1021 | 0.9307 | 1.2039 | 2.0100e-003 | | 0.0394 | 0.0394 | | 0.0370 | 0.0370 | 0.0000 | 173.2195 | 173.2195 | 0.0407 | 0.0000 | 174.0732 |

3.27 Phase VI – Building Construction - 2029

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 | 0.2731 | 1.0876 | 3.1408 | 5.9600e-003 | 0.1588 | 0.0208 | 0.1795 | 0.0455 | 0.0191 | 0.0646 | 0.0000 | 505.6291 | 505.6291 | 3.9000e-003 | 0.0000 | 505.7110 |
| Worker | 0.1662 | 0.2756 | 2.3413 | 0.0113 | 1.0058 | 6.8600e-003 | 1.0127 | 0.2673 | 6.3600e-003 | 0.2737 | 0.0000 | 657.7247 | 657.7247 | 0.0249 | 0.0000 | 658.2480 |
| Total | 0.4392 | 1.3632 | 5.4820 | 0.0172 | 1.1646 | 0.0276 | 1.1922 | 0.3128 | 0.0255 | 0.3382 | 0.0000 | 1,163.3538 | 1,163.3538 | 0.0288 | 0.0000 | 1,163.9590 |

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 | 0.0809 | 1.7596 | 1.3362 | 2.0100e-003 | | 0.0676 | 0.0676 | | 0.0676 | 0.0676 | 0.0000 | 173.2193 | 173.2193 | 0.0407 | 0.0000 | 174.0730 |
| Total | 0.0809 | 1.7596 | 1.3362 | 2.0100e-003 | | 0.0676 | 0.0676 | | 0.0676 | 0.0676 | 0.0000 | 173.2193 | 173.2193 | 0.0407 | 0.0000 | 174.0730 |

3.27 Phase VI – Building Construction - 2029

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 | 0.2731 | 1.0876 | 3.1408 | 5.9600e-003 | 0.1588 | 0.0208 | 0.1795 | 0.0455 | 0.0191 | 0.0646 | 0.0000 | 505.6291 | 505.6291 | 3.9000e-003 | 0.0000 | 505.7110 |
| Worker | 0.1662 | 0.2756 | 2.3413 | 0.0113 | 1.0058 | 6.8600e-003 | 1.0127 | 0.2673 | 6.3600e-003 | 0.2737 | 0.0000 | 657.7247 | 657.7247 | 0.0249 | 0.0000 | 658.2480 |
| Total | 0.4392 | 1.3632 | 5.4820 | 0.0172 | 1.1646 | 0.0276 | 1.1922 | 0.3128 | 0.0255 | 0.3382 | 0.0000 | 1,163.3538 | 1,163.3538 | 0.0288 | 0.0000 | 1,163.9590 |

3.28 Phase VI – Architectural Coating - 2029

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 | 7.4455 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.5400e-003 | 0.0103 | 0.0163 | 3.0000e-005 | | 4.6000e-004 | 4.6000e-004 | | 4.6000e-004 | 4.6000e-004 | 0.0000 | 2.2979 | 2.2979 | 1.3000e-004 | 0.0000 | 2.3006 |
| Total | 7.4471 | 0.0103 | 0.0163 | 3.0000e-005 | | 4.6000e-004 | 4.6000e-004 | | 4.6000e-004 | 4.6000e-004 | 0.0000 | 2.2979 | 2.2979 | 1.3000e-004 | 0.0000 | 2.3006 |

3.28 Phase VI – Architectural Coating - 2029

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 | 3.9900e-003 | 6.6200e-003 | 0.0563 | 2.7000e-004 | 0.0242 | 1.6000e-004 | 0.0243 | 6.4200e-003 | 1.5000e-004 | 6.5800e-003 | 0.0000 | 15.8081 | 15.8081 | 6.0000e-004 | 0.0000 | 15.8206 |
| Total | 3.9900e-003 | 6.6200e-003 | 0.0563 | 2.7000e-004 | 0.0242 | 1.6000e-004 | 0.0243 | 6.4200e-003 | 1.5000e-004 | 6.5800e-003 | 0.0000 | 15.8081 | 15.8081 | 6.0000e-004 | 0.0000 | 15.8206 |

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 | 7.4455 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.0300e-003 | 0.0212 | 0.0165 | 3.0000e-005 | | 8.6000e-004 | 8.6000e-004 | | 8.6000e-004 | 8.6000e-004 | 0.0000 | 2.2979 | 2.2979 | 1.3000e-004 | 0.0000 | 2.3006 |
| Total | 7.4465 | 0.0212 | 0.0165 | 3.0000e-005 | | 8.6000e-004 | 8.6000e-004 | | 8.6000e-004 | 8.6000e-004 | 0.0000 | 2.2979 | 2.2979 | 1.3000e-004 | 0.0000 | 2.3006 |

3.28 Phase VI – Architectural Coating - 2029

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 | 3.9900e-003 | 6.6200e-003 | 0.0563 | 2.7000e-004 | 0.0242 | 1.6000e-004 | 0.0243 | 6.4200e-003 | 1.5000e-004 | 6.5800e-003 | 0.0000 | 15.8081 | 15.8081 | 6.0000e-004 | 0.0000 | 15.8206 |
| Total | 3.9900e-003 | 6.6200e-003 | 0.0563 | 2.7000e-004 | 0.0242 | 1.6000e-004 | 0.0243 | 6.4200e-003 | 1.5000e-004 | 6.5800e-003 | 0.0000 | 15.8081 | 15.8081 | 6.0000e-004 | 0.0000 | 15.8206 |

3.29 Phase VI – Paving - 2029

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 | 2.2400e-003 | 0.0211 | 0.0357 | 6.0000e-005 | | 1.0300e-003 | 1.0300e-003 | | 9.5000e-004 | 9.5000e-004 | 0.0000 | 4.8983 | 4.8983 | 1.5800e-003 | 0.0000 | 4.9316 |
| Paving | 0.0287 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0309 | 0.0211 | 0.0357 | 6.0000e-005 | | 1.0300e-003 | 1.0300e-003 | | 9.5000e-004 | 9.5000e-004 | 0.0000 | 4.8983 | 4.8983 | 1.5800e-003 | 0.0000 | 4.9316 |

3.29 Phase VI – Paving - 2029

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.0000e-005 | 1.0000e-004 | 8.4000e-004 | 0.0000 | 3.6000e-004 | 0.0000 | 3.6000e-004 | 1.0000e-004 | 0.0000 | 1.0000e-004 | 0.0000 | 0.2361 | 0.2361 | 1.0000e-005 | 0.0000 | 0.2363 |
| Total | 6.0000e-005 | 1.0000e-004 | 8.4000e-004 | 0.0000 | 3.6000e-004 | 0.0000 | 3.6000e-004 | 1.0000e-004 | 0.0000 | 1.0000e-004 | 0.0000 | 0.2361 | 0.2361 | 1.0000e-005 | 0.0000 | 0.2363 |

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 | 2.2800e-003 | 0.0493 | 0.0423 | 6.0000e-005 | | 1.6400e-003 | 1.6400e-003 | | 1.6400e-003 | 1.6400e-003 | 0.0000 | 4.8983 | 4.8983 | 1.5800e-003 | 0.0000 | 4.9316 |
| Paving | 0.0287 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0310 | 0.0493 | 0.0423 | 6.0000e-005 | | 1.6400e-003 | 1.6400e-003 | | 1.6400e-003 | 1.6400e-003 | 0.0000 | 4.8983 | 4.8983 | 1.5800e-003 | 0.0000 | 4.9316 |

3.29 Phase VI – Paving - 2029

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 6.0000e-005 | 1.0000e-004 | 8.4000e-004 | 0.0000 | 3.6000e-004 | 0.0000 | 3.6000e-004 | 1.0000e-004 | 0.0000 | 1.0000e-004 | 0.0000 | 0.2361 | 0.2361 | 1.0000e-005 | 0.0000 | 0.2363 |
| Total | 6.0000e-005 | 1.0000e-004 | 8.4000e-004 | 0.0000 | 3.6000e-004 | 0.0000 | 3.6000e-004 | 1.0000e-004 | 0.0000 | 1.0000e-004 | 0.0000 | 0.2361 | 0.2361 | 1.0000e-005 | 0.0000 | 0.2363 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Increase Transit Accessibility
- Improve Pedestrian Network
- Expand Transit Network

| | ROG | NOx | CO | SO2 | Fugitive 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 | 2.6112 | 4.6995 | 21.8951 | 0.0722 | 5.0236 | 0.0906 | 5.1143 | 1.3463 | 0.0837 | 1.4300 | 0.0000 | 4,774.7655 | 4,774.7655 | 0.1341 | 0.0000 | 4,777.5812 |
| Unmitigated | 2.7570 | 5.4102 | 24.5521 | 0.0863 | 6.0518 | 0.1066 | 6.1584 | 1.6218 | 0.0984 | 1.7202 | 0.0000 | 5,711.6153 | 5,711.6153 | 0.1583 | 0.0000 | 5,714.9388 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|--------------------------|-------------------------|-----------------|-----------------|-------------------|-------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Apartments Mid Rise | 823.75 | 895.00 | 758.75 | 2,095,877 | 1,739,787 |
| City Park | 25.44 | 25.44 | 25.44 | 51,701 | 42,917 |
| Condo/Townhouse | 1,219.15 | 1,324.60 | 1,122.95 | 3,101,898 | 2,574,885 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Regional Shopping Center | 644.10 | 749.55 | 378.60 | 897,003 | 744,602 |
| Single Family Housing | 1,004.85 | 1,058.40 | 920.85 | 2,542,828 | 2,110,801 |
| Single Family Housing | 2,918.85 | 3,074.40 | 2,674.85 | 7,386,310 | 6,131,374 |
| Total | 6,636.14 | 7,127.39 | 5,881.44 | 16,075,617 | 13,344,365 |

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 |
| Apartments Mid Rise | 13.00 | 5.00 | 5.00 | 35.80 | 21.00 | 43.20 | 86 | 11 | 3 |
| City Park | 13.00 | 5.00 | 5.00 | 33.00 | 48.00 | 19.00 | 66 | 28 | 6 |
| Condo/Townhouse | 13.00 | 5.00 | 5.00 | 35.80 | 21.00 | 43.20 | 86 | 11 | 3 |
| Other Asphalt Surfaces | 13.00 | 5.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 13.00 | 5.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Regional Shopping Center | 13.00 | 5.00 | 5.00 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Single Family Housing | 13.00 | 5.00 | 5.00 | 35.80 | 21.00 | 43.20 | 86 | 11 | 3 |
| Single Family Housing | 13.00 | 5.00 | 5.00 | 35.80 | 21.00 | 43.20 | 86 | 11 | 3 |

4.4 Fleet Mix

| LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.457871 | 0.042296 | 0.214250 | 0.146969 | 0.067525 | 0.009931 | 0.017760 | 0.024978 | 0.002423 | 0.001427 | 0.009102 | 0.000742 | 0.004726 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable 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 | 966.1664 | 966.1664 | 0.0437 | 9.0400e-003 | 969.8859 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 1,424.0557 | 1,424.0557 | 0.0644 | 0.0133 | 1,429.5379 |
| NaturalGas Mitigated | 0.0816 | 0.6975 | 0.2974 | 4.4500e-003 | | 0.0564 | 0.0564 | | 0.0564 | 0.0564 | 0.0000 | 807.6453 | 807.6453 | 0.0155 | 0.0148 | 812.5605 |
| NaturalGas Unmitigated | 0.1031 | 0.8812 | 0.3758 | 5.6200e-003 | | 0.0712 | 0.0712 | | 0.0712 | 0.0712 | 0.0000 | 1,020.4291 | 1,020.4291 | 0.0196 | 0.0187 | 1,026.6393 |

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 | | | | | |
| Apartments Mid Rise | 1.01595e+006 | 5.4800e-003 | 0.0468 | 0.0199 | 3.0000e-004 | | 3.7800e-003 | 3.7800e-003 | | 3.7800e-003 | 3.7800e-003 | 0.0000 | 54.2151 | 54.2151 | 1.0400e-003 | 9.9000e-004 | 54.5450 |
| City Park | 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 |
| Condo/Townhouse | 3.6028e+006 | 0.0194 | 0.1660 | 0.0706 | 1.0600e-003 | | 0.0134 | 0.0134 | | 0.0134 | 0.0134 | 0.0000 | 192.2593 | 192.2593 | 3.6800e-003 | 3.5200e-003 | 193.4293 |
| 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 |
| 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 |
| Regional Shopping Center | 37350 | 2.0000e-004 | 1.8300e-003 | 1.5400e-003 | 1.0000e-005 | | 1.4000e-004 | 1.4000e-004 | | 1.4000e-004 | 1.4000e-004 | 0.0000 | 1.9931 | 1.9931 | 4.0000e-005 | 4.0000e-005 | 2.0053 |
| Single Family Housing | 1.07613e+007 | 0.0580 | 0.4959 | 0.2110 | 3.1700e-003 | | 0.0401 | 0.0401 | | 0.0401 | 0.0401 | 0.0000 | 574.2641 | 574.2641 | 0.0110 | 0.0105 | 577.7590 |
| Single Family Housing | 3.70471e+006 | 0.0200 | 0.1707 | 0.0726 | 1.0900e-003 | | 0.0138 | 0.0138 | | 0.0138 | 0.0138 | 0.0000 | 197.6975 | 197.6975 | 3.7900e-003 | 3.6200e-003 | 198.9006 |
| Total | | 0.1031 | 0.8812 | 0.3758 | 5.6300e-003 | | 0.0712 | 0.0712 | | 0.0712 | 0.0712 | 0.0000 | 1,020.4291 | 1,020.4291 | 0.0196 | 0.0187 | 1,026.6393 |

5.2 Energy by Land Use - NaturalGas

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Apartments Mid Rise | 816214 | 4.4000e-003 | 0.0376 | 0.0160 | 2.4000e-004 | | 3.0400e-003 | 3.0400e-003 | | 3.0400e-003 | 3.0400e-003 | 0.0000 | 43.5563 | 43.5563 | 8.3000e-004 | 8.0000e-004 | 43.8214 |
| City Park | 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 |
| Condo/Townhouse | 2.83859e+006 | 0.0153 | 0.1308 | 0.0557 | 8.3000e-004 | | 0.0106 | 0.0106 | | 0.0106 | 0.0106 | 0.0000 | 151.4778 | 151.4778 | 2.9000e-003 | 2.7800e-003 | 152.3996 |
| 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 |
| 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 |
| Regional Shopping Center | 28012.5 | 1.5000e-004 | 1.3700e-003 | 1.1500e-003 | 1.0000e-005 | | 1.0000e-004 | 1.0000e-004 | | 1.0000e-004 | 1.0000e-004 | 0.0000 | 1.4949 | 1.4949 | 3.0000e-005 | 3.0000e-005 | 1.5040 |
| Single Family Housing | 2.9328e+006 | 0.0158 | 0.1351 | 0.0575 | 8.6000e-004 | | 0.0109 | 0.0109 | | 0.0109 | 0.0109 | 0.0000 | 156.5054 | 156.5054 | 3.0000e-003 | 2.8700e-003 | 157.4579 |
| Single Family Housing | 8.51909e+006 | 0.0459 | 0.3926 | 0.1670 | 2.5100e-003 | | 0.0317 | 0.0317 | | 0.0317 | 0.0317 | 0.0000 | 454.6110 | 454.6110 | 8.7100e-003 | 8.3300e-003 | 457.3777 |
| Total | | 0.0816 | 0.6975 | 0.2974 | 4.4500e-003 | | 0.0564 | 0.0564 | | 0.0564 | 0.0564 | 0.0000 | 807.6452 | 807.6452 | 0.0155 | 0.0148 | 812.5605 |

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|-----------------|-------------------|---------------|---------------|-------------------|
| Land Use | kWh/yr | MT/yr | | | |
| Apartments Mid Rise | 440820 | 128.2396 | 5.8000e-003 | 1.2000e-003 | 128.7333 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Condo/Townhouse | 797572 | 232.0228 | 0.0105 | 2.1700e-003 | 232.9161 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 581504 | 169.1662 | 7.6500e-003 | 1.5800e-003 | 169.8174 |
| Regional Shopping Center | 175350 | 51.0113 | 2.3100e-003 | 4.8000e-004 | 51.2077 |
| Single Family Housing | 2.15725e+006 | 627.5678 | 0.0284 | 5.8700e-003 | 629.9837 |
| Single Family Housing | 742659 | 216.0479 | 9.7700e-003 | 2.0200e-003 | 216.8797 |
| Total | | 1,424.0557 | 0.0644 | 0.0133 | 1,429.5379 |

5.3 Energy by Land Use - Electricity

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| Apartments Mid Rise | 307927 | 89.5796 | 4.0500e-003 | 8.4000e-004 | 89.9244 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Condo/Townhouse | 557062 | 162.0558 | 7.3300e-003 | 1.5200e-003 | 162.6796 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 327096 | 95.1560 | 4.3000e-003 | 8.9000e-004 | 95.5223 |
| Regional Shopping Center | 106172 | 30.8866 | 1.4000e-003 | 2.9000e-004 | 31.0055 |
| Single Family Housing | 1.50485e+006 | 437.7780 | 0.0198 | 4.1000e-003 | 439.4633 |
| Single Family Housing | 518063 | 150.7105 | 6.8100e-003 | 1.4100e-003 | 151.2907 |
| Total | | 966.1664 | 0.0437 | 9.0500e-003 | 969.8859 |

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

| | ROG | NOx | CO | SO2 | Fugitive 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 | 10.8935 | 0.1130 | 9.8036 | 5.2000e-004 | | 0.0545 | 0.0545 | | 0.0545 | 0.0545 | 0.0000 | 16.0654 | 16.0654 | 0.0154 | 0.0000 | 16.3887 |
| Unmitigated | 11.6898 | 0.1130 | 9.8036 | 5.2000e-004 | | 0.0545 | 0.0545 | | 0.0545 | 0.0545 | 0.0000 | 16.0654 | 16.0654 | 0.0154 | 0.0000 | 16.3887 |

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 | 0.7446 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 10.6503 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.2950 | 0.1130 | 9.8036 | 5.2000e-004 | | 0.0545 | 0.0545 | | 0.0545 | 0.0545 | 0.0000 | 16.0654 | 16.0654 | 0.0154 | 0.0000 | 16.3887 |
| Total | 11.6898 | 0.1130 | 9.8036 | 5.2000e-004 | | 0.0545 | 0.0545 | | 0.0545 | 0.0545 | 0.0000 | 16.0654 | 16.0654 | 0.0154 | 0.0000 | 16.3887 |

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 | 0.7446 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 9.8540 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.2950 | 0.1130 | 9.8036 | 5.2000e-004 | | 0.0545 | 0.0545 | | 0.0545 | 0.0545 | 0.0000 | 16.0654 | 16.0654 | 0.0154 | 0.0000 | 16.3887 |
| Total | 10.8935 | 0.1130 | 9.8036 | 5.2000e-004 | | 0.0545 | 0.0545 | | 0.0545 | 0.0545 | 0.0000 | 16.0654 | 16.0654 | 0.0154 | 0.0000 | 16.3887 |

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|----------|
| Category | MT/yr | | | |
| Mitigated | 72.1923 | 0.8107 | 0.0197 | 95.3076 |
| Unmitigated | 89.3871 | 1.0135 | 0.0246 | 118.2936 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|---------------------|----------------|---------------|---------------|-----------------|
| Land Use | Mgal | MT/yr | | | |
| Apartments Mid Rise | 4.4723 / 2.85934 | 11.3702 | 0.1462 | 3.5300e-003 | 15.5355 |
| City Park | 0 / 10.4272 | 10.6169 | 4.8000e-004 | 1.0000e-004 | 10.6578 |
| Condo/Townhouse | 6.61902 / 4.23183 | 16.8279 | 0.2164 | 5.2300e-003 | 22.9926 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0.909125 / 0.557206 | 2.2868 | 0.0297 | 7.2000e-004 | 3.1335 |
| Single Family Housing | 18.9924 / 12.1427 | 48.2854 | 0.6208 | 0.0150 | 65.9742 |
| Total | | 89.3871 | 1.0135 | 0.0246 | 118.2936 |

7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| Apartments Mid Rise | 3.57784 / 2.35091 | 9.1607 | 0.1169 | 2.8200e-003 | 12.4914 |
| City Park | 0 / 8.57313 | 8.7291 | 3.9000e-004 | 8.0000e-005 | 8.7627 |
| Condo/Townhouse | 5.29522 / 3.47935 | 13.5579 | 0.1731 | 4.1800e-003 | 18.4874 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 0.7273 / 0.458127 | 1.8421 | 0.0238 | 5.7000e-004 | 2.5191 |
| Single Family Housing | 15.1939 / 9.98355 | 38.9026 | 0.4966 | 0.0120 | 53.0471 |
| Total | | 72.1923 | 0.8107 | 0.0196 | 95.3076 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|---------|--------|----------|
| | MT/yr | | | |
| Mitigated | 211.2202 | 12.4828 | 0.0000 | 473.3581 |
| Unmitigated | 211.2202 | 12.4828 | 0.0000 | 473.3581 |

8.2 Waste by Land Use**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|----------------|-----------------|----------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Apartments Mid Rise | 121.13 | 24.5883 | 1.4531 | 0.0000 | 55.1040 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Condo/Townhouse | 179.28 | 36.3922 | 2.1507 | 0.0000 | 81.5573 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 6.84 | 1.3885 | 0.0821 | 0.0000 | 3.1116 |
| Single Family Housing | 733.29 | 148.8512 | 8.7969 | 0.0000 | 333.5852 |
| Total | | 211.2202 | 12.4828 | 0.0000 | 473.3581 |

8.2 Waste by Land Use

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|----------------|-----------------|----------------|---------------|-----------------|
| Land Use | tons | MT/yr | | | |
| Apartments Mid Rise | 121.13 | 24.5883 | 1.4531 | 0.0000 | 55.1040 |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Condo/Townhouse | 179.28 | 36.3922 | 2.1507 | 0.0000 | 81.5573 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Regional Shopping Center | 6.84 | 1.3885 | 0.0821 | 0.0000 | 3.1116 |
| Single Family Housing | 733.29 | 148.8512 | 8.7969 | 0.0000 | 333.5852 |
| Total | | 211.2202 | 12.4828 | 0.0000 | 473.3581 |

9.0 Operational Offroad

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

10.0 Vegetation

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|----------|
| Category | MT | | | |
| Unmitigated | 371.7000 | 0.0000 | 0.0000 | 371.7000 |

10.2 Net New Trees

Species Class

| | Number of Trees | Total CO2 | CH4 | N2O | CO2e |
|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| | | MT | | | |
| Miscellaneous | 525 | 371.7000 | 0.0000 | 0.0000 | 371.7000 |
| Total | | 371.7000 | 0.0000 | 0.0000 | 371.7000 |

| | | | | | | | | | | | | | |
|---------------------------------------|-------|-------|-------|------|-------|-------|------|------|------|------|------|------|------|
| Phase III – Site Preparation | 0.56 | -0.25 | 0.15 | 0.00 | 0.23 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phase VI – Architectural Coating | 0.00 | -0.64 | 0.00 | 0.00 | -0.65 | -0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phase VI – Building Construction | 0.04 | -0.36 | -0.02 | 0.00 | -0.42 | -0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phase VI – Grading | 0.37 | -0.87 | -0.21 | 0.00 | -0.16 | -0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phase VI – Paving | 0.00 | -1.33 | -0.18 | 0.00 | -0.59 | -0.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phase VI – Site Preparation | 0.50 | -0.46 | 0.06 | 0.00 | 0.07 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phases IV & V – Architectural Coating | 0.00 | -0.63 | 0.00 | 0.00 | -0.62 | -0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phases IV & V – Building Construction | 0.04 | -0.36 | -0.02 | 0.00 | -0.42 | -0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phases IV & V – Grading | 0.37 | -0.87 | -0.21 | 0.00 | -0.16 | -0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phases IV & V – Paving | -0.01 | -1.33 | -0.18 | 0.00 | -0.59 | -0.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phases IV & V – Site Preparation | 0.50 | -0.46 | 0.06 | 0.00 | 0.07 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

OFFROAD Equipment Mitigation

| Equipment Type | Fuel Type | Tier | Number Mitigated | Total Number of Equipment | DPF | Oxidation Catalyst |
|---------------------------|-----------|--------|------------------|---------------------------|-----------|--------------------|
| Air Compressors | Diesel | Tier 2 | 6 | 6 | No Change | 0.00 |
| Excavators | Diesel | Tier 2 | 17 | 17 | No Change | 0.00 |
| Concrete/Industrial Saws | Diesel | Tier 2 | 1 | 1 | No Change | 0.00 |
| Cranes | Diesel | Tier 2 | 6 | 6 | No Change | 0.00 |
| Forklifts | Diesel | Tier 2 | 18 | 18 | No Change | 0.00 |
| Graders | Diesel | Tier 2 | 7 | 7 | No Change | 0.00 |
| Pavers | Diesel | Tier 2 | 14 | 14 | No Change | 0.00 |
| Rollers | Diesel | Tier 2 | 14 | 14 | No Change | 0.00 |
| Rubber Tired Dozers | Diesel | Tier 2 | 26 | 26 | No Change | 0.00 |
| Tractors/Loaders/Backhoes | Diesel | Tier 2 | 54 | 54 | No Change | 0.00 |
| Generator Sets | Diesel | Tier 2 | 6 | 6 | No Change | 0.00 |
| Paving Equipment | Diesel | Tier 2 | 14 | 14 | No Change | 0.00 |
| Scrapers | Diesel | Tier 2 | 14 | 14 | No Change | 0.00 |
| Welders | Diesel | Tier 2 | 6 | 6 | No Change | 0.00 |

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------------------|---------------------|--------------|--------------|--------------|--------------|---------------|-------------------|--------------|--------------|--------------|--------------|--------------|
| | Unmitigated tons/yr | | | | | | Unmitigated mt/yr | | | | | |
| Air Compressors | 8.54000E-002 | 5.89570E-001 | 7.38540E-001 | 1.21000E-003 | 3.49300E-002 | 3.49300E-002 | 0.00000E+000 | 1.03790E+002 | 1.03790E+002 | 6.90000E-003 | 0.00000E+000 | 1.03935E+002 |
| Concrete/Industrial Saws | 1.38600E-002 | 1.07660E-001 | 1.11070E-001 | 1.90000E-004 | 6.88000E-003 | 6.88000E-003 | 0.00000E+000 | 1.61297E+001 | 1.61297E+001 | 1.14000E-003 | 0.00000E+000 | 1.61536E+001 |
| Cranes | 2.83440E-001 | 3.06280E+000 | 1.48387E+000 | 4.68000E-003 | 1.27880E-001 | 1.17650E-001 | 0.00000E+000 | 4.11191E+002 | 4.11191E+002 | 1.32990E-001 | 0.00000E+000 | 4.13984E+002 |
| Excavators | 1.47160E-001 | 1.39526E+000 | 2.11111E+000 | 3.34000E-003 | 6.75900E-002 | 6.21800E-002 | 0.00000E+000 | 2.96547E+002 | 2.96547E+002 | 9.49400E-002 | 0.00000E+000 | 2.98540E+002 |
| Forklifts | 2.90750E-001 | 2.70331E+000 | 3.25704E+000 | 4.34000E-003 | 1.66130E-001 | 1.52840E-001 | 0.00000E+000 | 3.81723E+002 | 3.81723E+002 | 1.23460E-001 | 0.00000E+000 | 3.84316E+002 |
| Generator Sets | 2.85870E-001 | 2.54779E+000 | 3.47699E+000 | 6.23000E-003 | 1.16920E-001 | 1.16920E-001 | 0.00000E+000 | 5.35534E+002 | 5.35534E+002 | 2.27900E-002 | 0.00000E+000 | 5.36013E+002 |
| Graders | 1.67950E-001 | 1.59457E+000 | 1.21024E+000 | 1.68000E-003 | 8.87500E-002 | 8.16500E-002 | 0.00000E+000 | 1.48918E+002 | 1.48918E+002 | 4.77700E-002 | 0.00000E+000 | 1.49921E+002 |
| Pavers | 5.90300E-002 | 6.14010E-001 | 7.13000E-001 | 1.16000E-003 | 2.96600E-002 | 2.72900E-002 | 0.00000E+000 | 1.02061E+002 | 1.02061E+002 | 3.28800E-002 | 0.00000E+000 | 1.02751E+002 |
| Paving Equipment | 4.81800E-002 | 4.81710E-001 | 6.39790E-001 | 1.03000E-003 | 2.39500E-002 | 2.20300E-002 | 0.00000E+000 | 9.05860E+001 | 9.05860E+001 | 2.91800E-002 | 0.00000E+000 | 9.11988E+001 |
| Rollers | 4.85800E-002 | 4.90890E-001 | 4.81540E-001 | 6.70000E-004 | 3.00100E-002 | 2.76100E-002 | 0.00000E+000 | 5.92395E+001 | 5.92395E+001 | 1.90800E-002 | 0.00000E+000 | 5.96403E+001 |
| Rubber Tired Dozers | 5.66270E-001 | 5.85498E+000 | 4.66927E+000 | 5.59000E-003 | 2.67920E-001 | 2.46490E-001 | 0.00000E+000 | 4.96972E+002 | 4.96972E+002 | 1.58960E-001 | 0.00000E+000 | 5.00310E+002 |
| Scrapers | 4.81210E-001 | 5.44762E+000 | 3.69136E+000 | 8.07000E-003 | 2.13460E-001 | 1.96380E-001 | 0.00000E+000 | 7.14404E+002 | 7.14404E+002 | 2.29160E-001 | 0.00000E+000 | 7.19216E+002 |
| Tractors/Loaders/Backhoes | 5.67240E-001 | 5.72538E+000 | 7.78738E+000 | 1.07900E-002 | 3.00880E-001 | 2.76810E-001 | 0.00000E+000 | 9.50203E+002 | 9.50203E+002 | 3.06380E-001 | 0.00000E+000 | 9.56637E+002 |
| Welders | 2.38520E-001 | 1.33335E+000 | 1.59013E+000 | 2.42000E-003 | 5.07300E-002 | 5.07300E-002 | 0.00000E+000 | 1.78339E+002 | 1.78339E+002 | 1.93800E-002 | 0.00000E+000 | 1.78746E+002 |

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------------------|-------------------|--------------|--------------|--------------|--------------|---------------|-----------------|--------------|--------------|--------------|--------------|--------------|
| | Mitigated tons/yr | | | | | | Mitigated mt/yr | | | | | |
| Air Compressors | 4.63000E-002 | 9.56260E-001 | 7.44870E-001 | 1.21000E-003 | 3.86500E-002 | 3.86500E-002 | 0.00000E+000 | 1.03790E+002 | 1.03790E+002 | 6.90000E-003 | 0.00000E+000 | 1.03934E+002 |
| Concrete/Industrial Saws | 7.20000E-003 | 1.48610E-001 | 1.15760E-001 | 1.90000E-004 | 6.01000E-003 | 6.01000E-003 | 0.00000E+000 | 1.61297E+001 | 1.61297E+001 | 1.14000E-003 | 0.00000E+000 | 1.61535E+001 |
| Cranes | 1.15000E-001 | 3.97709E+000 | 2.49167E+000 | 4.68000E-003 | 8.43300E-002 | 8.43300E-002 | 0.00000E+000 | 4.11190E+002 | 4.11190E+002 | 1.32990E-001 | 0.00000E+000 | 4.13983E+002 |
| Excavators | 1.30170E-001 | 2.85685E+000 | 2.53486E+000 | 3.34000E-003 | 8.76900E-002 | 8.76900E-002 | 0.00000E+000 | 2.96546E+002 | 2.96546E+002 | 9.49400E-002 | 0.00000E+000 | 2.98540E+002 |
| Forklifts | 2.05240E-001 | 4.23875E+000 | 3.30176E+000 | 4.34000E-003 | 1.71330E-001 | 1.71330E-001 | 0.00000E+000 | 3.81723E+002 | 3.81723E+002 | 1.23460E-001 | 0.00000E+000 | 3.84315E+002 |
| Generator Sets | 2.38910E-001 | 4.93410E+000 | 3.84340E+000 | 6.23000E-003 | 1.99440E-001 | 1.99440E-001 | 0.00000E+000 | 5.35533E+002 | 5.35533E+002 | 2.27900E-002 | 0.00000E+000 | 5.36012E+002 |
| Graders | 6.46700E-002 | 1.41925E+000 | 1.25929E+000 | 1.68000E-003 | 4.35600E-002 | 4.35600E-002 | 0.00000E+000 | 1.48918E+002 | 1.48918E+002 | 4.77700E-002 | 0.00000E+000 | 1.49921E+002 |
| Pavers | 4.50400E-002 | 9.88460E-001 | 8.77050E-001 | 1.16000E-003 | 3.03400E-002 | 3.03400E-002 | 0.00000E+000 | 1.02061E+002 | 1.02061E+002 | 3.28800E-002 | 0.00000E+000 | 1.02751E+002 |
| Paving Equipment | 4.01500E-002 | 8.81140E-001 | 7.81830E-001 | 1.03000E-003 | 2.70500E-002 | 2.70500E-002 | 0.00000E+000 | 9.05859E+001 | 9.05859E+001 | 2.91800E-002 | 0.00000E+000 | 9.11987E+001 |
| Rollers | 3.15700E-002 | 6.51970E-001 | 5.07850E-001 | 6.70000E-004 | 2.63500E-002 | 2.63500E-002 | 0.00000E+000 | 5.92395E+001 | 5.92395E+001 | 1.90800E-002 | 0.00000E+000 | 5.96402E+001 |
| Rubber Tired Dozers | 1.35570E-001 | 4.68848E+000 | 2.93736E+000 | 5.59000E-003 | 9.94200E-002 | 9.94200E-002 | 0.00000E+000 | 4.96971E+002 | 4.96971E+002 | 1.58960E-001 | 0.00000E+000 | 5.00309E+002 |
| Scrapers | 1.98400E-001 | 6.26626E+000 | 4.29876E+000 | 8.07000E-003 | 1.45500E-001 | 1.45500E-001 | 0.00000E+000 | 7.14403E+002 | 7.14403E+002 | 2.29160E-001 | 0.00000E+000 | 7.19215E+002 |
| Tractors/Loaders/Balkhoes | 5.04200E-001 | 1.04128E+001 | 8.11101E+000 | 1.07900E-002 | 4.20900E-001 | 4.20900E-001 | 0.00000E+000 | 9.50202E+002 | 9.50202E+002 | 3.06380E-001 | 0.00000E+000 | 9.56635E+002 |
| Welders | 1.00320E-001 | 1.60160E+000 | 1.41826E+000 | 2.42000E-003 | 9.68600E-002 | 9.68600E-002 | 0.00000E+000 | 1.78339E+002 | 1.78339E+002 | 1.93800E-002 | 0.00000E+000 | 1.78746E+002 |

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|---------------|---------------|--------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Percent Reduction | | | | | | | | | | | | |
| Air Compressors | 4.57845E-001 | -6.21962E-001 | -8.57096E-003 | 0.00000E+000 | -1.06499E-001 | -1.06499E-001 | 0.00000E+000 | 1.15618E-006 | 1.15618E-006 | 0.00000E+000 | 0.00000E+000 | 1.15457E-006 |
| Concrete/Industrial Saws | 4.80519E-001 | -3.80364E-001 | -4.22256E-002 | 0.00000E+000 | 1.26453E-001 | 1.26453E-001 | 0.00000E+000 | 1.23995E-006 | 1.23995E-006 | 0.00000E+000 | 0.00000E+000 | 1.23812E-006 |
| Cranes | 5.94270E-001 | -2.98514E-001 | -6.79170E-001 | 0.00000E+000 | 3.40554E-001 | 2.83213E-001 | 0.00000E+000 | 1.19166E-006 | 1.19166E-006 | 0.00000E+000 | 0.00000E+000 | 1.18362E-006 |
| Excavators | 1.15453E-001 | -1.04754E+000 | -2.00724E-001 | 0.00000E+000 | -2.97381E-001 | -4.10261E-001 | 0.00000E+000 | 1.18025E-006 | 1.18025E-006 | 0.00000E+000 | 0.00000E+000 | 1.20587E-006 |
| Forklifts | 2.94101E-001 | -5.67985E-001 | -1.37303E-002 | 0.00000E+000 | -3.13008E-002 | -1.20976E-001 | 0.00000E+000 | 1.17887E-006 | 1.17887E-006 | 0.00000E+000 | 0.00000E+000 | 1.19693E-006 |
| Generator Sets | 1.64270E-001 | -9.36620E-001 | -1.05381E-001 | 0.00000E+000 | -7.05782E-001 | -7.05782E-001 | 0.00000E+000 | 1.17640E-006 | 1.17640E-006 | 0.00000E+000 | 0.00000E+000 | 1.19400E-006 |
| Graders | 6.14945E-001 | 1.09948E-001 | -4.05292E-002 | 0.00000E+000 | 5.09183E-001 | 4.66503E-001 | 0.00000E+000 | 1.20872E-006 | 1.20872E-006 | 0.00000E+000 | 0.00000E+000 | 1.20063E-006 |
| Pavers | 2.36998E-001 | -6.09843E-001 | -2.30084E-001 | 0.00000E+000 | -2.29265E-002 | -1.11763E-001 | 0.00000E+000 | 1.17577E-006 | 1.17577E-006 | 0.00000E+000 | 0.00000E+000 | 1.16787E-006 |
| Paving Equipment | 1.66667E-001 | -8.29192E-001 | -2.22010E-001 | 0.00000E+000 | -1.29436E-001 | -2.27871E-001 | 0.00000E+000 | 1.21432E-006 | 1.21432E-006 | 0.00000E+000 | 0.00000E+000 | 1.20616E-006 |
| Rollers | 3.50144E-001 | -3.28139E-001 | -5.46372E-002 | 0.00000E+000 | 1.21959E-001 | 4.56356E-002 | 0.00000E+000 | 1.18164E-006 | 1.18164E-006 | 0.00000E+000 | 0.00000E+000 | 1.34138E-006 |
| Rubber Tired Dozers | 7.60591E-001 | 1.99232E-001 | 3.70917E-001 | 0.00000E+000 | 6.28919E-001 | 5.96657E-001 | 0.00000E+000 | 1.18719E-006 | 1.18719E-006 | 0.00000E+000 | 0.00000E+000 | 1.19926E-006 |
| Scrapers | 5.87706E-001 | -1.50275E-001 | -1.64546E-001 | 0.00000E+000 | 3.18373E-001 | 2.59090E-001 | 0.00000E+000 | 1.18980E-006 | 1.18980E-006 | 0.00000E+000 | 0.00000E+000 | 1.18184E-006 |
| Tractors/Loaders/Balckhoes | 1.11135E-001 | -8.18705E-001 | -4.15583E-002 | 0.00000E+000 | -3.98897E-001 | -5.20538E-001 | 0.00000E+000 | 1.18922E-006 | 1.18922E-006 | 0.00000E+000 | 0.00000E+000 | 1.19168E-006 |
| Welders | 5.79406E-001 | -2.01185E-001 | 1.08086E-001 | 0.00000E+000 | -9.09324E-001 | -9.09324E-001 | 0.00000E+000 | 1.23361E-006 | 1.23361E-006 | 0.00000E+000 | 0.00000E+000 | 1.17485E-006 |

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

| | | | | | | |
|-----|--|----------------|-------|-----------------|-------|--------------------------|
| No | Soil Stabilizer for unpaved Roads | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 | |
| No | Replace Ground Cover of Area Disturbed | PM10 Reduction | 0.00 | PM2.5 Reduction | 0.00 | |
| Yes | Water Exposed Area | PM10 Reduction | 55.00 | PM2.5 Reduction | 55.00 | Frequency (per day) 2.00 |

| | | | | | | | |
|---------------------------------------|---------------|------|------|------|------|------|------|
| Phase VI – Paving | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phase VI – Site Preparation | Fugitive Dust | 0.05 | 0.02 | 0.02 | 0.01 | 0.55 | 0.55 |
| Phase VI – Site Preparation | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phases IV & V – Architectural Coating | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phases IV & V – Architectural Coating | Roads | 0.05 | 0.01 | 0.05 | 0.01 | 0.00 | 0.00 |
| Phases IV & V – Building Construction | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phases IV & V – Building Construction | Roads | 4.85 | 1.30 | 4.85 | 1.30 | 0.00 | 0.00 |
| Phases IV & V – Grading | Fugitive Dust | 1.17 | 0.49 | 0.53 | 0.22 | 0.55 | 0.55 |
| Phases IV & V – Grading | Roads | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 |
| Phases IV & V – Paving | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phases IV & V – Paving | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Phases IV & V – Site Preparation | Fugitive Dust | 0.36 | 0.20 | 0.16 | 0.09 | 0.55 | 0.55 |
| Phases IV & V – Site Preparation | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Operational Percent Reduction Summary

| Category | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|-------|-------|-------|-------|--------------|---------------|----------|-----------|-----------|-------|-------|-------|
| Percent Reduction | | | | | | | | | | | | |
| Architectural Coating | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Consumer Products | 7.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Electricity | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.15 | 32.15 | 32.16 | 32.06 | 32.15 |
| Hearth | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Landscaping | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mobile | 5.29 | 13.14 | 10.82 | 16.38 | 14.97 | 14.96 | 0.00 | 16.40 | 16.40 | 15.28 | 0.00 | 16.40 |
| Natural Gas | 20.86 | 20.85 | 20.86 | 20.96 | 20.83 | 20.83 | 0.00 | 20.85 | 20.85 | 20.91 | 20.80 | 20.85 |
| Water Indoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.00 | 19.14 | 19.24 | 20.01 | 20.13 | 19.43 |
| Water Outdoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Operational Mobile Mitigation

Project Setting: Urban

| Mitigation | Category | Measure | % Reduction | Input Value 1 | Input Value 2 | Input Value |
|------------|----------|-------------------------------------|-------------|---------------|---------------|-------------|
| Yes | Land Use | Increase Density | 0.02 | 10.00 | | |
| No | Land Use | Increase Diversity | 0.27 | 0.60 | | |
| Yes | Land Use | Improve Walkability Design | -0.10 | 7.00 | | |
| No | Land Use | Improve Destination Accessibility | 0.00 | | | |
| Yes | Land Use | Increase Transit Accessibility | 0.16 | 0.25 | | |
| No | Land Use | Integrate Below Market Rate Housing | 0.00 | | | |
| | Land Use | Land Use SubTotal | 0.16 | | | |

| | | | | | | |
|-----|---------------------------|--|-------|--------------|--|------|
| Yes | Neighborhood Enhancements | Improve Pedestrian Network | 1.00 | Project Site | | |
| No | Neighborhood Enhancements | Provide Traffic Calming Measures | | | | |
| No | Neighborhood Enhancements | Implement NEV Network | 0.01 | | | |
| | Neighborhood Enhancements | Neighborhood Enhancements Subtotal | 0.01 | | | |
| No | Parking Policy Pricing | Limit Parking Supply | 0.00 | | | |
| No | Parking Policy Pricing | Unbundle Parking Costs | 0.00 | | | |
| No | Parking Policy Pricing | On-street Market Pricing | 0.00 | | | |
| | Parking Policy Pricing | Parking Policy Pricing Subtotal | 0.00 | | | |
| No | Transit Improvements | Provide BRT System | 0.00 | | | |
| Yes | Transit Improvements | Expand Transit Network | 0.00 | | | |
| No | Transit Improvements | Increase Transit Frequency | 0.00 | | | |
| | Transit Improvements | Transit Improvements Subtotal | 0.00 | | | |
| | | Land Use and Site Enhancement Subtotal | 0.17 | | | |
| No | Commute | Implement Trip Reduction Program | | | | |
| No | Commute | Transit Subsidy | | | | |
| No | Commute | Implement Employee Parking "Cash Out" | 7.70 | | | |
| No | Commute | Workplace Parking Charge | | | | |
| No | Commute | Encourage Telecommuting and Alternative Work Schedules | 0.00 | | | |
| No | Commute | Market Commute Trip Reduction Option | 0.00 | | | |
| No | Commute | Employee Vanpool/Shuttle | 0.00 | | | 2.00 |
| No | Commute | Provide Ride Sharing Program | 15.00 | | | |
| | Commute | Commute Subtotal | 0.00 | | | |

| | | | | | |
|----|-------------|------------------------------|------|--|--|
| No | School Trip | Implement School Bus Program | 0.00 | | |
| | | Total VMT Reduction | 0.17 | | |

Area Mitigation

| Measure Implemented | Mitigation Measure | Input Value |
|---------------------|--|-------------|
| No | Only Natural Gas Hearth | |
| Yes | No Hearth | |
| Yes | Use Low VOC Cleaning Supplies | |
| Yes | Use Low VOC Paint (Residential Interior) | 50.00 |
| Yes | Use Low VOC Paint (Residential Exterior) | 50.00 |
| Yes | Use Low VOC Paint (Non-residential Interior) | 50.00 |
| Yes | Use Low VOC Paint (Non-residential Exterior) | 50.00 |
| No | % Electric Lawnmower | 0.00 |
| No | % Electric Leafblower | 0.00 |
| No | % Electric Chainsaw | 0.00 |

Energy Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|----------------------------------|---------------|---------------|
| Yes | Exceed Title 24 | 25.00 | |
| Yes | Install High Efficiency Lighting | 25.00 | |
| Yes | On-site Renewable | | 25.00 |

| Appliance Type | Land Use Subtype | % Improvement |
|----------------|------------------|---------------|
| ClothWasher | | 30.00 |

| | |
|--------------|-------|
| DishWasher | 15.00 |
| Fan | 50.00 |
| Refrigerator | 15.00 |

Water Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|--|---------------|---------------|
| No | Apply Water Conservation on Strategy | 0.00 | 0.00 |
| Yes | Use Reclaimed Water | 0.00 | 45.00 |
| No | Use Grey Water | 0.00 | |
| Yes | Install low-flow bathroom faucet | 32.00 | |
| Yes | Install low-flow Kitchen faucet | 18.00 | |
| Yes | Install low-flow Toilet | 20.00 | |
| Yes | Install low-flow Shower | 20.00 | |
| No | Turf Reduction | 0.00 | |
| No | Use Water Efficient Irrigation Systems | 6.10 | |
| No | Water Efficient Landscape | 0.00 | 0.00 |

Solid Waste Mitigation

| Mitigation Measures | Input Value |
|--|-------------|
| Institute Recycling and Composting Services Percent Reduction in Waste Disposed | |

Avila Ranch Development Project San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|--------------------------|----------|---------------|-------------|--------------------|------------|
| Parking Lot | 1,652.00 | Space | 14.87 | 660,800.00 | 0 |
| Other Asphalt Surfaces | 7.03 | Acre | 7.03 | 306,226.80 | 0 |
| City Park | 16.00 | Acre | 16.00 | 696,960.00 | 0 |
| Regional Shopping Center | 15.00 | 1000sqft | 3.34 | 15,000.00 | 0 |
| Apartments Mid Rise | 125.00 | Dwelling Unit | 4.71 | 125,000.00 | 287 |
| Condo/Townhouse | 185.00 | Dwelling Unit | 11.05 | 185,000.00 | 424 |
| Single Family Housing | 105.00 | Dwelling Unit | 17.45 | 189,000.00 | 240 |
| Single Family Housing | 305.00 | Dwelling Unit | 35.03 | 549,000.00 | 698 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|--------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 3.2 | Precipitation Freq (Days) | 44 |
| Climate Zone | 4 | | | Operational Year | 2030 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 641.35 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Taken from project description

Construction Phase - taken from updated construction schedule september 29 2016

Architectural Coating - using at least 50 EF paint from mitigation

Woodstoves - no woodstoves or fireplaces

Area Coating - EF is 50 from mitigation

Water And Wastewater - based on city water use factors

Solid Waste - from estimated solid waste production under the table based on CalRecycle waste generation factors

Sequestration -

Construction Off-road Equipment Mitigation - based on mitigation

Mobile Land Use Mitigation -

Area Mitigation - 50 EF per mitigation

Energy Mitigation -

Water Mitigation -

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |

| | | | |
|-------------------------|---|--------|-------|
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 50 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 50 |
| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 50 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 50 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialInteriorValue | 250 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialExteriorValue | 250 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialInteriorValue | 250 | 50 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 17.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 18.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 7.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 14.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 14.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 26.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 54.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 14.00 |

| | | | |
|-------------------------|----------------------------|-----------|--------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 14.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstructionPhase | NumDays | 3,100.00 | 665.00 |
| tblConstructionPhase | NumDays | 120.00 | 15.00 |
| tblConstructionPhase | NumDays | 120.00 | 60.00 |
| tblConstructionPhase | NumDays | 220.00 | 46.00 |
| tblConstructionPhase | NumDays | 310.00 | 125.00 |
| tblConstructionPhase | NumDays | 310.00 | 155.00 |
| tblConstructionPhase | NumDays | 220.00 | 15.00 |
| tblConstructionPhase | NumDays | 220.00 | 55.00 |
| tblConstructionPhase | NumDays | 120.00 | 15.00 |
| tblConstructionPhase | NumDays | 310.00 | 30.00 |
| tblConstructionPhase | NumDays | 3,100.00 | 100.00 |
| tblConstructionPhase | NumDays | 220.00 | 15.00 |

| | | | |
|----------------------|----------------------------|-----------|-----------|
| tblConstructionPhase | NumDays | 220.00 | 20.00 |
| tblConstructionPhase | NumDays | 120.00 | 20.00 |
| tblConstructionPhase | NumDays | 310.00 | 35.00 |
| tblConstructionPhase | NumDays | 3,100.00 | 340.00 |
| tblConstructionPhase | NumDays | 220.00 | 20.00 |
| tblConstructionPhase | NumDays | 220.00 | 20.00 |
| tblConstructionPhase | NumDays | 120.00 | 40.00 |
| tblConstructionPhase | NumDays | 310.00 | 135.00 |
| tblConstructionPhase | NumDays | 3,100.00 | 625.00 |
| tblConstructionPhase | NumDays | 220.00 | 35.00 |
| tblConstructionPhase | NumDays | 220.00 | 30.00 |
| tblConstructionPhase | NumDays | 120.00 | 5.00 |
| tblConstructionPhase | NumDays | 310.00 | 15.00 |
| tblConstructionPhase | NumDays | 3,100.00 | 150.00 |
| tblConstructionPhase | NumDays | 220.00 | 18.00 |
| tblConstructionPhase | NumDays | 220.00 | 5.00 |
| tblConstructionPhase | PhaseStartDate | 9/29/2029 | 9/30/2029 |
| tblGrading | AcresOfGrading | 387.50 | 0.00 |
| tblLandUse | LotAcreage | 0.34 | 3.34 |
| tblLandUse | LotAcreage | 3.29 | 4.71 |
| tblLandUse | LotAcreage | 11.56 | 11.05 |
| tblLandUse | LotAcreage | 34.09 | 17.45 |
| tblLandUse | LotAcreage | 99.03 | 35.03 |
| tblLandUse | Population | 358.00 | 287.00 |
| tblLandUse | Population | 529.00 | 424.00 |
| tblLandUse | Population | 300.00 | 240.00 |
| tblLandUse | Population | 872.00 | 698.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |

| | | | |
|---------------------------|----------------------------|---------------|---------------|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 3.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 3.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblProjectCharacteristics | OperationalYear | 2014 | 2030 |
| tblSequestration | NumberOfNewTrees | 0.00 | 525.00 |
| tblSolidWaste | SolidWasteGenerationRate | 57.50 | 121.13 |
| tblSolidWaste | SolidWasteGenerationRate | 1.64 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 90.62 | 179.28 |
| tblSolidWaste | SolidWasteGenerationRate | 15.75 | 6.84 |
| tblSolidWaste | SolidWasteGenerationRate | 373.92 | 733.29 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 475.00 |
| tblTripsAndVMT | VendorTripNumber | 475.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 25.00 | 15.00 |
| tblTripsAndVMT | WorkerTripNumber | 30.00 | 18.00 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 30.00 | 1,393.00 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 15.00 |
| tblTripsAndVMT | WorkerTripNumber | 1,393.00 | 279.00 |
| tblWater | IndoorWaterUseRate | 8,144,253.20 | 4,472,304.06 |
| tblWater | IndoorWaterUseRate | 12,835,343.05 | 6,619,019.72 |
| tblWater | IndoorWaterUseRate | 1,111,087.82 | 909,125.22 |
| tblWater | IndoorWaterUseRate | 25,931,302.20 | 18,992,412.22 |
| tblWater | OutdoorWaterUseRate | 5,134,420.50 | 2,859,341.94 |
| tblWater | OutdoorWaterUseRate | 22,733,464.15 | 10,427,245.00 |
| tblWater | OutdoorWaterUseRate | 8,091,846.70 | 4,231,832.28 |
| tblWater | OutdoorWaterUseRate | 680,989.31 | 557,205.78 |
| tblWater | OutdoorWaterUseRate | 16,347,994.86 | 12,142,689.78 |

| | | | |
|---------------|-------------------|----------|------|
| tblWoodstoves | WoodstoveDayYear | 60.00 | 0.00 |
| tblWoodstoves | WoodstoveDayYear | 60.00 | 0.00 |
| tblWoodstoves | WoodstoveDayYear | 60.00 | 0.00 |
| tblWoodstoves | WoodstoveWoodMass | 2,016.50 | 0.00 |
| tblWoodstoves | WoodstoveWoodMass | 2,016.50 | 0.00 |
| tblWoodstoves | WoodstoveWoodMass | 2,016.50 | 0.00 |

2.0 Emissions Summary

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 | | | | | |
| 2019 | 7.6216 | 81.0550 | 62.7219 | 0.0877 | 18.2442 | 3.8357 | 22.0799 | 9.9779 | 3.5289 | 13.5067 | 0.0000 | 8,641.8019 | 8,641.8019 | 2.6936 | 0.0000 | 8,698.3666 |
| 2020 | 12.9107 | 79.5673 | 138.0535 | 0.2906 | 34.0005 | 3.0020 | 36.9426 | 14.2006 | 2.7618 | 16.9305 | 0.0000 | 23,852.2614 | 23,852.2614 | 2.6377 | 0.0000 | 23,907.6531 |
| 2021 | 2.7864 | 19.8969 | 28.2473 | 0.0612 | 2.7582 | 1.0668 | 3.8251 | 0.7315 | 1.0085 | 1.7400 | 0.0000 | 5,032.4291 | 5,032.4291 | 0.7296 | 0.0000 | 5,047.7506 |
| 2022 | 2.5381 | 17.9049 | 27.3723 | 0.0612 | 2.7582 | 0.9053 | 3.6635 | 0.7315 | 0.8564 | 1.5879 | 0.0000 | 4,998.2888 | 4,998.2888 | 0.7199 | 0.0000 | 5,013.4058 |
| 2023 | 745.3390 | 35.0018 | 97.0922 | 0.2632 | 18.2442 | 1.5556 | 19.6361 | 9.9779 | 1.4311 | 11.2584 | 0.0000 | 20,696.4419 | 20,696.4419 | 1.9422 | 0.0000 | 20,737.2276 |
| 2024 | 745.2947 | 32.4240 | 93.7608 | 0.2632 | 18.2442 | 1.4247 | 19.4952 | 9.9779 | 1.3107 | 11.1288 | 0.0000 | 20,553.6347 | 20,553.6347 | 1.9415 | 0.0000 | 20,594.4054 |
| 2025 | 745.2578 | 31.0940 | 91.1410 | 0.2631 | 18.2442 | 1.1880 | 19.2747 | 9.9779 | 1.0930 | 10.9259 | 0.0000 | 20,428.3873 | 20,428.3873 | 1.9407 | 0.0000 | 20,469.1422 |
| 2026 | 7.6006 | 30.7221 | 88.7944 | 0.2631 | 15.9348 | 1.1880 | 16.8249 | 4.2701 | 1.0930 | 5.1006 | 0.0000 | 20,319.6957 | 20,319.6957 | 1.9405 | 0.0000 | 20,360.4468 |
| 2027 | 7.2715 | 30.3913 | 85.4501 | 0.2631 | 15.9350 | 0.8911 | 16.8261 | 4.2702 | 0.8314 | 5.1016 | 0.0000 | 20,224.9725 | 20,224.9725 | 1.0402 | 0.0000 | 20,246.8170 |
| 2028 | 426.0989 | 30.0935 | 82.3371 | 0.2630 | 15.9352 | 0.8914 | 16.8266 | 4.2703 | 0.8317 | 5.1020 | 0.0000 | 20,143.5469 | 20,143.5469 | 1.0300 | 0.0000 | 20,165.1762 |
| 2029 | 827.8999 | 29.8919 | 80.8762 | 0.2630 | 18.2442 | 1.1880 | 19.2747 | 9.9779 | 1.0930 | 10.9259 | 0.0000 | 20,073.8049 | 20,073.8049 | 1.9401 | 0.0000 | 20,114.5464 |
| Total | 3,530.6192 | 418.0426 | 875.8467 | 2.3422 | 178.5429 | 17.1364 | 194.6692 | 78.3637 | 15.8393 | 93.3084 | 0.0000 | 184,965.2649 | 184,965.2649 | 18.5559 | 0.0000 | 185,354.9377 |

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 | 64.2250 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | 0.0000 | 107.3275 | 107.3275 | 0.1029 | 0.0000 | 109.4875 |
| Energy | 0.5650 | 4.8286 | 2.0589 | 0.0308 | | 0.3904 | 0.3904 | | 0.3904 | 0.3904 | | 6,163.4549 | 6,163.4549 | 0.1181 | 0.1130 | 6,200.9647 |
| Mobile | 16.1836 | 30.3126 | 136.4838 | 0.5255 | 36.6866 | 0.6297 | 37.3163 | 9.8103 | 0.5812 | 10.3916 | | 38,236.3989 | 38,236.3989 | 1.0312 | | 38,258.0541 |
| Total | 80.9736 | 35.8258 | 197.9583 | 0.5595 | 36.6866 | 1.3501 | 38.0367 | 9.8103 | 1.3016 | 11.1119 | 0.0000 | 44,507.1814 | 44,507.1814 | 1.2522 | 0.1130 | 44,568.5063 |

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 | 59.8618 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | 0.0000 | 107.3275 | 107.3275 | 0.1029 | 0.0000 | 109.4875 |
| Energy | 0.4472 | 3.8217 | 1.6294 | 0.0244 | | 0.3090 | 0.3090 | | 0.3090 | 0.3090 | | 4,878.2274 | 4,878.2274 | 0.0935 | 0.0894 | 4,907.9155 |
| Mobile | 15.3216 | 26.3613 | 120.1030 | 0.4393 | 30.4535 | 0.5354 | 30.9889 | 8.1436 | 0.4942 | 8.6377 | | 31,963.7840 | 31,963.7840 | 0.8736 | | 31,982.1292 |
| Total | 75.6306 | 30.8675 | 181.1480 | 0.4669 | 30.4535 | 1.1744 | 31.6279 | 8.1436 | 1.1332 | 9.2767 | 0.0000 | 36,949.3389 | 36,949.3389 | 1.0699 | 0.0894 | 36,999.5322 |

| | ROG | NOx | CO | SO2 | 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 | 6.60 | 13.84 | 8.49 | 16.55 | 16.99 | 13.02 | 16.85 | 16.99 | 12.94 | 16.52 | 0.00 | 16.98 | 16.98 | 14.55 | 20.86 | 16.98 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|---|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Offsite Construction – Site Preparation | Site Preparation | 1/1/2019 | 3/25/2019 | 5 | 60 | |
| 2 | Offsite Construction – Grading | Grading | 3/26/2019 | 10/28/2019 | 5 | 155 | |
| 3 | Offsite Construction – Paving | Paving | 10/29/2019 | 12/31/2019 | 5 | 46 | |
| 4 | Phase I – Site Preparation | Site Preparation | 1/1/2020 | 1/21/2020 | 5 | 15 | |
| 5 | Phase I, III, IV – Grading | Grading | 1/22/2020 | 7/14/2020 | 5 | 125 | |
| 6 | Phase I – Building Construction | Building Construction | 7/15/2020 | 1/31/2023 | 5 | 665 | |
| 7 | Phase I – Paving | Paving | 2/1/2023 | 2/21/2023 | 5 | 15 | |
| 8 | Phase I – Architectural Coating | Architectural Coating | 2/22/2023 | 5/9/2023 | 5 | 55 | |
| 9 | Phase II – Site Preparation | Site Preparation | 5/10/2023 | 5/30/2023 | 5 | 15 | |
| 10 | Phase II – Grading | Grading | 5/31/2023 | 7/11/2023 | 5 | 30 | |
| 11 | Phase II – Building Construction | Building Construction | 7/12/2023 | 11/28/2023 | 5 | 100 | |
| 12 | Phase II – Paving | Paving | 11/29/2023 | 12/19/2023 | 5 | 15 | |
| 13 | Phase II – Architectural Coating | Architectural Coating | 12/20/2023 | 1/16/2024 | 5 | 20 | |
| 14 | Phase III – Site Preparation | Site Preparation | 1/17/2024 | 2/13/2024 | 5 | 20 | |
| 15 | Phase III – Grading | Grading | 2/14/2024 | 4/2/2024 | 5 | 35 | |
| 16 | Phase III – Building Construction | Building Construction | 4/3/2024 | 7/22/2025 | 5 | 340 | |
| 17 | Phase III – Architectural Coating | Architectural Coating | 7/23/2025 | 8/19/2025 | 5 | 20 | |
| 18 | Phase III – Paving | Paving | 8/20/2025 | 9/16/2025 | 5 | 20 | |
| 19 | Phases IV & V – Site Preparation | Site Preparation | 9/17/2025 | 11/11/2025 | 5 | 40 | |

| | | | | | | |
|----|---------------------------------------|-----------------------|------------|------------|---|-----|
| 20 | Phases IV & V – Grading | Grading | 11/12/2025 | 5/19/2026 | 5 | 135 |
| 21 | Phases IV & V – Building Construction | Building Construction | 5/20/2026 | 10/10/2028 | 5 | 625 |
| 22 | Phases IV & V – Architectural Coating | Architectural Coating | 10/11/2028 | 11/28/2028 | 5 | 35 |
| 23 | Phases IV & V – Paving | Paving | 11/29/2028 | 1/9/2029 | 5 | 30 |
| 24 | Phase VI – Site Preparation | Site Preparation | 1/10/2029 | 1/16/2029 | 5 | 5 |
| 25 | Phase VI – Grading | Grading | 1/17/2029 | 2/6/2029 | 5 | 15 |
| 26 | Phase VI – Building Construction | Building Construction | 2/7/2029 | 9/4/2029 | 5 | 150 |
| 27 | Phase VI – Architectural Coating | Architectural Coating | 9/5/2029 | 9/28/2029 | 5 | 18 |
| 28 | Phase VI – Paving | Paving | 9/30/2029 | 10/5/2029 | 5 | 5 |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 2,102,760; Residential Outdoor: 700,920; Non-Residential Indoor: 2,716,339; Non-Residential Outdoor: 905,446 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|--------------------------|--------|-------------|-------------|-------------|
| Phase I – Building Construction | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Offsite Construction – Site Preparation | Excavators | 3 | 8.00 | 162 | 0.38 |
| Offsite Construction – Site Preparation | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Offsite Construction – Paving | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase I – Site Preparation | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase I – Site Preparation | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase I – Site Preparation | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase I, III, IV – Grading | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase I, III, IV – Grading | Rollers | 2 | 8.00 | 80 | 0.38 |

| | | | | | |
|---|---------------------------|---|------|-----|------|
| Offsite Construction – Site Preparation | Rubber Tired Dozers | 2 | 8.00 | 255 | 0.40 |
| Offsite Construction – Paving | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase I – Site Preparation | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Offsite Construction – Paving | Graders | 1 | 8.00 | 174 | 0.41 |
| Offsite Construction – Paving | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase I, III, IV – Grading | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Offsite Construction – Grading | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Offsite Construction – Grading | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Offsite Construction – Paving | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase I – Site Preparation | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase II – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phase III – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phases IV & V – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phase VI – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phase I – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phase II – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase III – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phases IV & V – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase VI – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase I – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase II – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase III – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Offsite Construction – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phases IV & V – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase VI – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase I, III, IV – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase II – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase III – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |

| | | | | | |
|---------------------------------------|------------------|---|------|-----|------|
| Phases IV & V – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase VI – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase I – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase II – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase III – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phases IV & V – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase VI – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase I – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase II – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phase III – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Offsite Construction – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phases IV & V – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phase VI – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phase I, III, IV – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phase II – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase III – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phases IV & V – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase VI – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Offsite Construction – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase I – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase II – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phase III – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phases IV & V – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phase VI – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Offsite Construction – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phase I – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phase II – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Phase III – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |

| | | | | | |
|---------------------------------------|---------------------------|---|------|-----|------|
| Phases IV & V – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Phase VI – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Offsite Construction – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Phase I – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Phase II – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase III – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phases IV & V – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase VI – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase I, III, IV – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase III – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phases IV & V – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phase VI – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phase I – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phase II – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phase II – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase III – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Offsite Construction – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phases IV & V – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase VI – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase I, III, IV – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase II – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase III – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phases IV & V – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase VI – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase I – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase II – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase III – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phases IV & V – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |

| | | | | | |
|---|---------------------------|---|------|----|------|
| Phase VI – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase I, III, IV – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Offsite Construction – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phase III – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phases IV & V – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phase VI – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phase II – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phase II – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase III – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phases IV & V – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase VI – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase I – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |

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 |
|---|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Offsite Construction – Site Preparation | 10 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Offsite Construction – Grading | 12 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Offsite Construction – Paving | 14 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I – Site Preparation | 12 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I, III, IV – Grading | 14 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I – Building Construction | 10 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase III – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Building Construction | 9 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |

| | | | | | | | | | | |
|---------------------------------------|---|----------|--------|------|-------|------|-------|--------|---------|------|
| Phase III – Building Construction | 9 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Building Construction | 9 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Building Construction | 9 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Grading | 8 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase III – Grading | 8 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Grading | 8 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Grading | 8 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase III – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase III – Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Offsite Construction – Site Preparation - 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 | | | | | 12.0442 | 0.0000 | 12.0442 | 6.6205 | 0.0000 | 6.6205 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.2536 | 43.2907 | 40.0157 | 0.0524 | | 2.2690 | 2.2690 | | 2.1058 | 2.1058 | | 5,159.400 1 | 5,159.400 1 | 1.4866 | | 5,190.618 3 |
| Total | 4.2536 | 43.2907 | 40.0157 | 0.0524 | 12.0442 | 2.2690 | 14.3131 | 6.6205 | 2.1058 | 8.7262 | | 5,159.400 1 | 5,159.400 1 | 1.4866 | | 5,190.618 3 |

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 | 0.0429 | 0.0659 | 0.6353 | 1.6900e-003 | 0.1483 | 9.9000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 125.8629 | 125.8629 | 5.9700e-003 | | 125.9884 |
| Total | 0.0429 | 0.0659 | 0.6353 | 1.6900e-003 | 0.1483 | 9.9000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 125.8629 | 125.8629 | 5.9700e-003 | | 125.9884 |

3.2 Offsite Construction – Site Preparation - 2019

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 | | | | | 5.4199 | 0.0000 | 5.4199 | 2.9792 | 0.0000 | 2.9792 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8728 | 45.4945 | 34.6332 | 0.0524 | | 1.4199 | 1.4199 | | 1.4199 | 1.4199 | 0.0000 | 5,159.400 1 | 5,159.400 1 | 1.4866 | | 5,190.618 3 |
| Total | 1.8728 | 45.4945 | 34.6332 | 0.0524 | 5.4199 | 1.4199 | 6.8398 | 2.9792 | 1.4199 | 4.3991 | 0.0000 | 5,159.400 1 | 5,159.400 1 | 1.4866 | | 5,190.618 3 |

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 | 0.0429 | 0.0659 | 0.6353 | 1.6900e-003 | 0.1483 | 9.9000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 125.8629 | 125.8629 | 5.9700e-003 | | 125.9884 |
| Total | 0.0429 | 0.0659 | 0.6353 | 1.6900e-003 | 0.1483 | 9.9000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 125.8629 | 125.8629 | 5.9700e-003 | | 125.9884 |

3.3 Offsite Construction – Grading - 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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 7.4152 | 80.9760 | 61.9596 | 0.0857 | | 3.8345 | 3.8345 | | 3.5278 | 3.5278 | | 8,490.7664 | 8,490.7664 | 2.6864 | | 8,547.1806 |
| Total | 7.4152 | 80.9760 | 61.9596 | 0.0857 | 18.0663 | 3.8345 | 21.9008 | 9.9307 | 3.5278 | 13.4585 | | 8,490.7664 | 8,490.7664 | 2.6864 | | 8,547.1806 |

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 | 0.0515 | 0.0791 | 0.7623 | 2.0300e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 151.0355 | 151.0355 | 7.1700e-003 | | 151.1860 |
| Total | 0.0515 | 0.0791 | 0.7623 | 2.0300e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 151.0355 | 151.0355 | 7.1700e-003 | | 151.1860 |

3.3 Offsite Construction – Grading - 2019

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 | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.6151 | 71.8913 | 51.9820 | 0.0857 | | 1.9380 | 1.9380 | | 1.9380 | 1.9380 | 0.0000 | 8,490.7664 | 8,490.7664 | 2.6864 | | 8,547.1805 |
| Total | 2.6151 | 71.8913 | 51.9820 | 0.0857 | 8.1298 | 1.9380 | 10.0678 | 4.4688 | 1.9380 | 6.4068 | 0.0000 | 8,490.7664 | 8,490.7664 | 2.6864 | | 8,547.1805 |

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 | 0.0515 | 0.0791 | 0.7623 | 2.0300e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 151.0355 | 151.0355 | 7.1700e-003 | | 151.1860 |
| Total | 0.0515 | 0.0791 | 0.7623 | 2.0300e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 151.0355 | 151.0355 | 7.1700e-003 | | 151.1860 |

3.4 Offsite Construction – Paving - 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 | 6.3170 | 69.1331 | 54.6540 | 0.0840 | | 3.3143 | 3.3143 | | 3.0492 | 3.0492 | | 8,320.285 2 | 8,320.285 2 | 2.6325 | | 8,375.566 7 |
| Paving | 1.2474 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 7.5644 | 69.1331 | 54.6540 | 0.0840 | | 3.3143 | 3.3143 | | 3.0492 | 3.0492 | | 8,320.285 2 | 8,320.285 2 | 2.6325 | | 8,375.566 7 |

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 | 0.0572 | 0.0879 | 0.8470 | 2.2500e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 167.8172 | 167.8172 | 7.9600e-003 | | 167.9845 |
| Total | 0.0572 | 0.0879 | 0.8470 | 2.2500e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 167.8172 | 167.8172 | 7.9600e-003 | | 167.9845 |

3.4 Offsite Construction – Paving - 2019

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.8043 | 70.6463 | 54.8708 | 0.0840 | | 2.0325 | 2.0325 | | 2.0325 | 2.0325 | 0.0000 | 8,320.285 2 | 8,320.285 2 | 2.6325 | | 8,375.566 7 |
| Paving | 1.2474 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 4.0517 | 70.6463 | 54.8708 | 0.0840 | | 2.0325 | 2.0325 | | 2.0325 | 2.0325 | 0.0000 | 8,320.285 2 | 8,320.285 2 | 2.6325 | | 8,375.566 7 |

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 | 0.0572 | 0.0879 | 0.8470 | 2.2500e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 167.8172 | 167.8172 | 7.9600e-003 | | 167.9845 |
| Total | 0.0572 | 0.0879 | 0.8470 | 2.2500e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 167.8172 | 167.8172 | 7.9600e-003 | | 167.9845 |

3.5 Phase I – Site Preparation - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.9983 | 49.5273 | 40.6161 | 0.0535 | | 2.5112 | 2.5112 | | 2.3330 | 2.3330 | | 5,131.6875 | 5,131.6875 | 1.4568 | | 5,162.2811 |
| Total | 4.9983 | 49.5273 | 40.6161 | 0.0535 | 18.0663 | 2.5112 | 20.5775 | 9.9307 | 2.3330 | 12.2637 | | 5,131.6875 | 5,131.6875 | 1.4568 | | 5,162.2811 |

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 | 4.3046 | 24.4786 | 44.1046 | 0.0803 | 2.1628 | 0.3412 | 2.5040 | 0.6175 | 0.3138 | 0.9312 | | 7,501.8877 | 7,501.8877 | 0.0582 | | 7,503.1096 |
| Worker | 3.6079 | 5.5614 | 53.3328 | 0.1567 | 13.7714 | 0.0898 | 13.8612 | 3.6524 | 0.0832 | 3.7357 | | 11,218.6862 | 11,218.6862 | 0.5159 | | 11,229.5204 |
| Total | 7.9124 | 30.0399 | 97.4374 | 0.2370 | 15.9342 | 0.4309 | 16.3651 | 4.2699 | 0.3970 | 4.6669 | | 18,720.5739 | 18,720.5739 | 0.5741 | | 18,732.6299 |

3.5 Phase I – Site Preparation - 2020

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.7258 | 45.8587 | 31.8476 | 0.0535 | | 1.3765 | 1.3765 | | 1.3765 | 1.3765 | 0.0000 | 5,131.6875 | 5,131.6875 | 1.4568 | | 5,162.2811 |
| Total | 1.7258 | 45.8587 | 31.8476 | 0.0535 | 8.1298 | 1.3765 | 9.5063 | 4.4688 | 1.3765 | 5.8453 | 0.0000 | 5,131.6875 | 5,131.6875 | 1.4568 | | 5,162.2811 |

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 | 4.3046 | 24.4786 | 44.1046 | 0.0803 | 2.1628 | 0.3412 | 2.5040 | 0.6175 | 0.3138 | 0.9312 | | 7,501.8877 | 7,501.8877 | 0.0582 | | 7,503.1096 |
| Worker | 3.6079 | 5.5614 | 53.3328 | 0.1567 | 13.7714 | 0.0898 | 13.8612 | 3.6524 | 0.0832 | 3.7357 | | 11,218.6862 | 11,218.6862 | 0.5159 | | 11,229.5204 |
| Total | 7.9124 | 30.0399 | 97.4374 | 0.2370 | 15.9342 | 0.4309 | 16.3651 | 4.2699 | 0.3970 | 4.6669 | | 18,720.5739 | 18,720.5739 | 0.5741 | | 18,732.6299 |

3.6 Phase I, III, IV – Grading - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.6733 | 0.0000 | 8.6733 | 3.5965 | 0.0000 | 3.5965 | | | 0.0000 | | | 0.0000 |
| Off-Road | 5.8802 | 63.1684 | 52.7780 | 0.0840 | | 3.0010 | 3.0010 | | 2.7609 | 2.7609 | | 8,138.4659 | 8,138.4659 | 2.6321 | | 8,193.7410 |
| Total | 5.8802 | 63.1684 | 52.7780 | 0.0840 | 8.6733 | 3.0010 | 11.6743 | 3.5965 | 2.7609 | 6.3574 | | 8,138.4659 | 8,138.4659 | 2.6321 | | 8,193.7410 |

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 | 0.0389 | 0.0599 | 0.5743 | 1.6900e-003 | 0.1483 | 9.7000e-004 | 0.1493 | 0.0393 | 9.0000e-004 | 0.0402 | | 120.8042 | 120.8042 | 5.5600e-003 | | 120.9209 |
| Total | 0.0389 | 0.0599 | 0.5743 | 1.6900e-003 | 0.1483 | 9.7000e-004 | 0.1493 | 0.0393 | 9.0000e-004 | 0.0402 | | 120.8042 | 120.8042 | 5.5600e-003 | | 120.9209 |

3.6 Phase I, III, IV – Grading - 2020

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 3.9030 | 0.0000 | 3.9030 | 1.6184 | 0.0000 | 1.6184 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.8043 | 70.6463 | 54.8708 | 0.0840 | | 2.0325 | 2.0325 | | 2.0325 | 2.0325 | 0.0000 | 8,138.4659 | 8,138.4659 | 2.6321 | | 8,193.7410 |
| Total | 2.8043 | 70.6463 | 54.8708 | 0.0840 | 3.9030 | 2.0325 | 5.9355 | 1.6184 | 2.0325 | 3.6509 | 0.0000 | 8,138.4659 | 8,138.4659 | 2.6321 | | 8,193.7410 |

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 | 0.0389 | 0.0599 | 0.5743 | 1.6900e-003 | 0.1483 | 9.7000e-004 | 0.1493 | 0.0393 | 9.0000e-004 | 0.0402 | | 120.8042 | 120.8042 | 5.5600e-003 | | 120.9209 |
| Total | 0.0389 | 0.0599 | 0.5743 | 1.6900e-003 | 0.1483 | 9.7000e-004 | 0.1493 | 0.0393 | 9.0000e-004 | 0.0402 | | 120.8042 | 120.8042 | 5.5600e-003 | | 120.9209 |

3.7 Phase I – 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 | 2.3534 | 20.7678 | 18.6399 | 0.0298 | | 1.2238 | 1.2238 | | 1.1574 | 1.1574 | | 2,823.9280 | 2,823.9280 | 0.6412 | | 2,837.3937 |
| Total | 2.3534 | 20.7678 | 18.6399 | 0.0298 | | 1.2238 | 1.2238 | | 1.1574 | 1.1574 | | 2,823.9280 | 2,823.9280 | 0.6412 | | 2,837.3937 |

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 | 0.7226 | 1.1139 | 10.6819 | 0.0314 | 2.7582 | 0.0180 | 2.7762 | 0.7315 | 0.0167 | 0.7482 | | 2,246.9587 | 2,246.9587 | 0.1033 | | 2,249.1286 |
| Total | 0.7226 | 1.1139 | 10.6819 | 0.0314 | 2.7582 | 0.0180 | 2.7762 | 0.7315 | 0.0167 | 0.7482 | | 2,246.9587 | 2,246.9587 | 0.1033 | | 2,249.1286 |

3.7 Phase I – Building Construction - 2020

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,823.9280 | 2,823.9280 | 0.6412 | | 2,837.3937 |
| Total | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,823.9280 | 2,823.9280 | 0.6412 | | 2,837.3937 |

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 | 0.7226 | 1.1139 | 10.6819 | 0.0314 | 2.7582 | 0.0180 | 2.7762 | 0.7315 | 0.0167 | 0.7482 | | 2,246.9587 | 2,246.9587 | 0.1033 | | 2,249.1286 |
| Total | 0.7226 | 1.1139 | 10.6819 | 0.0314 | 2.7582 | 0.0180 | 2.7762 | 0.7315 | 0.0167 | 0.7482 | | 2,246.9587 | 2,246.9587 | 0.1033 | | 2,249.1286 |

3.7 Phase I – 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 | 2.1120 | 18.8671 | 18.3552 | 0.0298 | | 1.0490 | 1.0490 | | 0.9919 | 0.9919 | | 2,824.2298 | 2,824.2298 | 0.6319 | | 2,837.4998 |
| Total | 2.1120 | 18.8671 | 18.3552 | 0.0298 | | 1.0490 | 1.0490 | | 0.9919 | 0.9919 | | 2,824.2298 | 2,824.2298 | 0.6319 | | 2,837.4998 |

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 | 0.6744 | 1.0298 | 9.8922 | 0.0314 | 2.7582 | 0.0179 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 2,208.1993 | 2,208.1993 | 0.0977 | | 2,210.2508 |
| Total | 0.6744 | 1.0298 | 9.8922 | 0.0314 | 2.7582 | 0.0179 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 2,208.1993 | 2,208.1993 | 0.0977 | | 2,210.2508 |

3.7 Phase I – Building Construction - 2021

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,824.2298 | 2,824.2298 | 0.6319 | | 2,837.4998 |
| Total | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,824.2298 | 2,824.2298 | 0.6319 | | 2,837.4998 |

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 | 0.6744 | 1.0298 | 9.8922 | 0.0314 | 2.7582 | 0.0179 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 2,208.1993 | 2,208.1993 | 0.0977 | | 2,210.2508 |
| Total | 0.6744 | 1.0298 | 9.8922 | 0.0314 | 2.7582 | 0.0179 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 2,208.1993 | 2,208.1993 | 0.0977 | | 2,210.2508 |

3.7 Phase I – Building Construction - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.9037 | 16.9449 | 18.1412 | 0.0298 | | 0.8874 | 0.8874 | | 0.8398 | 0.8398 | | 2,825.1977 | 2,825.1977 | 0.6269 | | 2,838.3615 |
| Total | 1.9037 | 16.9449 | 18.1412 | 0.0298 | | 0.8874 | 0.8874 | | 0.8398 | 0.8398 | | 2,825.1977 | 2,825.1977 | 0.6269 | | 2,838.3615 |

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 | 0.6344 | 0.9600 | 9.2311 | 0.0314 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0165 | 0.7481 | | 2,173.0911 | 2,173.0911 | 0.0930 | | 2,175.0444 |
| Total | 0.6344 | 0.9600 | 9.2311 | 0.0314 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0165 | 0.7481 | | 2,173.0911 | 2,173.0911 | 0.0930 | | 2,175.0444 |

3.7 Phase I – Building Construction - 2022

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,825.1977 | 2,825.1977 | 0.6269 | | 2,838.3615 |
| Total | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,825.1977 | 2,825.1977 | 0.6269 | | 2,838.3615 |

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 | 0.6344 | 0.9600 | 9.2311 | 0.0314 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0165 | 0.7481 | | 2,173.0911 | 2,173.0911 | 0.0930 | | 2,175.0444 |
| Total | 0.6344 | 0.9600 | 9.2311 | 0.0314 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0165 | 0.7481 | | 2,173.0911 | 2,173.0911 | 0.0930 | | 2,175.0444 |

3.7 Phase I – Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.7578 | 15.6156 | 18.0204 | 0.0298 | | 0.7675 | 0.7675 | | 0.7265 | 0.7265 | | 2,826.0743 | 2,826.0743 | 0.6213 | | 2,839.1208 |
| Total | 1.7578 | 15.6156 | 18.0204 | 0.0298 | | 0.7675 | 0.7675 | | 0.7265 | 0.7265 | | 2,826.0743 | 2,826.0743 | 0.6213 | | 2,839.1208 |

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 | 0.5966 | 0.8970 | 8.6053 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,141.1273 | 2,141.1273 | 0.0888 | | 2,142.9931 |
| Total | 0.5966 | 0.8970 | 8.6053 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,141.1273 | 2,141.1273 | 0.0888 | | 2,142.9931 |

3.7 Phase I – Building Construction - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,826.0743 | 2,826.0743 | 0.6213 | | 2,839.1208 |
| Total | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,826.0743 | 2,826.0743 | 0.6213 | | 2,839.1208 |

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 | 0.5966 | 0.8970 | 8.6053 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,141.1273 | 2,141.1273 | 0.0888 | | 2,142.9931 |
| Total | 0.5966 | 0.8970 | 8.6053 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,141.1273 | 2,141.1273 | 0.0888 | | 2,142.9931 |

3.8 Phase I – Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0128 | 9.9983 | 14.2850 | 0.0223 | | 0.5010 | 0.5010 | | 0.4609 | 0.4609 | | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |
| Paving | 3.8252 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 4.8380 | 9.9983 | 14.2850 | 0.0223 | | 0.5010 | 0.5010 | | 0.4609 | 0.4609 | | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |

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 | 0.0321 | 0.0482 | 0.4627 | 1.6900e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 115.1144 | 115.1144 | 4.7800e-003 | | 115.2147 |
| Total | 0.0321 | 0.0482 | 0.4627 | 1.6900e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 115.1144 | 115.1144 | 4.7800e-003 | | 115.2147 |

3.8 Phase I – Paving - 2023

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 | 0.9122 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |
| Paving | 3.8252 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 4.7374 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |

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 | 0.0321 | 0.0482 | 0.4627 | 1.6900e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 115.1144 | 115.1144 | 4.7800e-003 | | 115.2147 |
| Total | 0.0321 | 0.0482 | 0.4627 | 1.6900e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 115.1144 | 115.1144 | 4.7800e-003 | | 115.2147 |

3.9 Phase I – Architectural Coating - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 270.7457 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |
| Total | 270.9374 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |

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 | 0.5966 | 0.8970 | 8.6053 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,141.1273 | 2,141.1273 | 0.0888 | | 2,142.9931 |
| Total | 0.5966 | 0.8970 | 8.6053 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,141.1273 | 2,141.1273 | 0.0888 | | 2,142.9931 |

3.9 Phase I – Architectural Coating - 2023

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 | 270.7457 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1139 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |
| Total | 270.8596 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |

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 | 0.5966 | 0.8970 | 8.6053 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,141.1273 | 2,141.1273 | 0.0888 | | 2,142.9931 |
| Total | 0.5966 | 0.8970 | 8.6053 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,141.1273 | 2,141.1273 | 0.0888 | | 2,142.9931 |

3.10 Phase II – Site Preparation - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.0157 | 29.9342 | 28.8193 | 0.0392 | | 1.3907 | 1.3907 | | 1.2795 | 1.2795 | | 3,793.9535 | 3,793.9535 | 1.2270 | | 3,819.7214 |
| Total | 3.0157 | 29.9342 | 28.8193 | 0.0392 | 18.0663 | 1.3907 | 19.4570 | 9.9307 | 1.2795 | 11.2102 | | 3,793.9535 | 3,793.9535 | 1.2270 | | 3,819.7214 |

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 | 0.0385 | 0.0579 | 0.5552 | 2.0200e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 138.1373 | 138.1373 | 5.7300e-003 | | 138.2576 |
| Total | 0.0385 | 0.0579 | 0.5552 | 2.0200e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 138.1373 | 138.1373 | 5.7300e-003 | | 138.2576 |

3.10 Phase II – Site Preparation - 2023

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 | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2300 | 34.4240 | 23.4003 | 0.0392 | | 0.9611 | 0.9611 | | 0.9611 | 0.9611 | 0.0000 | 3,793.9535 | 3,793.9535 | 1.2270 | | 3,819.7214 |
| Total | 1.2300 | 34.4240 | 23.4003 | 0.0392 | 8.1298 | 0.9611 | 9.0909 | 4.4688 | 0.9611 | 5.4299 | 0.0000 | 3,793.9535 | 3,793.9535 | 1.2270 | | 3,819.7214 |

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 | 0.0385 | 0.0579 | 0.5552 | 2.0200e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 138.1373 | 138.1373 | 5.7300e-003 | | 138.2576 |
| Total | 0.0385 | 0.0579 | 0.5552 | 2.0200e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 138.1373 | 138.1373 | 5.7300e-003 | | 138.2576 |

3.11 Phase II – Grading - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.6733 | 0.0000 | 8.6733 | 3.5965 | 0.0000 | 3.5965 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.5314 | 34.9375 | 34.1888 | 0.0618 | | 1.5543 | 1.5543 | | 1.4300 | 1.4300 | | 5,985.4359 | 5,985.4359 | 1.9358 | | 6,026.0879 |
| Total | 3.5314 | 34.9375 | 34.1888 | 0.0618 | 8.6733 | 1.5543 | 10.2276 | 3.5965 | 1.4300 | 5.0265 | | 5,985.4359 | 5,985.4359 | 1.9358 | | 6,026.0879 |

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 | 0.0428 | 0.0643 | 0.6169 | 2.2500e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 153.4858 | 153.4858 | 6.3700e-003 | | 153.6196 |
| Total | 0.0428 | 0.0643 | 0.6169 | 2.2500e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 153.4858 | 153.4858 | 6.3700e-003 | | 153.6196 |

3.11 Phase II – Grading - 2023

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 | | | | | 3.9030 | 0.0000 | 3.9030 | 1.6184 | 0.0000 | 1.6184 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8922 | 50.9465 | 37.9432 | 0.0618 | | 1.3783 | 1.3783 | | 1.3783 | 1.3783 | 0.0000 | 5,985.4359 | 5,985.4359 | 1.9358 | | 6,026.0879 |
| Total | 1.8922 | 50.9465 | 37.9432 | 0.0618 | 3.9030 | 1.3783 | 5.2813 | 1.6184 | 1.3783 | 2.9967 | 0.0000 | 5,985.4359 | 5,985.4359 | 1.9358 | | 6,026.0879 |

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 | 0.0428 | 0.0643 | 0.6169 | 2.2500e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 153.4858 | 153.4858 | 6.3700e-003 | | 153.6196 |
| Total | 0.0428 | 0.0643 | 0.6169 | 2.2500e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 153.4858 | 153.4858 | 6.3700e-003 | | 153.6196 |

3.12 Phase II – Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.5661 | 14.3126 | 16.2093 | 0.0268 | | 0.6967 | 0.6967 | | 0.6557 | 0.6557 | | 2,544.626 2 | 2,544.626 2 | 0.6044 | | 2,557.319 1 |
| Total | 1.5661 | 14.3126 | 16.2093 | 0.0268 | | 0.6967 | 0.6967 | | 0.6557 | 0.6557 | | 2,544.626 2 | 2,544.626 2 | 0.6044 | | 2,557.319 1 |

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 | 3.7256 | 14.9946 | 37.9181 | 0.0798 | 2.1632 | 0.2746 | 2.4377 | 0.6176 | 0.2526 | 0.8702 | | 7,461.527 5 | 7,461.527 5 | 0.0558 | | 7,462.700 1 |
| Worker | 2.9788 | 4.4784 | 42.9648 | 0.1566 | 13.7714 | 0.0888 | 13.8602 | 3.6524 | 0.0824 | 3.7348 | | 10,690.28 81 | 10,690.28 81 | 0.4436 | | 10,699.60 33 |
| Total | 6.7044 | 19.4731 | 80.8830 | 0.2364 | 15.9346 | 0.3634 | 16.2979 | 4.2700 | 0.3350 | 4.6050 | | 18,151.81 56 | 18,151.81 56 | 0.4994 | | 18,162.30 34 |

3.12 Phase II – Building Construction - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0268 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,544.626 2 | 2,544.626 2 | 0.6044 | | 2,557.319 1 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0268 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,544.626 2 | 2,544.626 2 | 0.6044 | | 2,557.319 1 |

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 | 3.7256 | 14.9946 | 37.9181 | 0.0798 | 2.1632 | 0.2746 | 2.4377 | 0.6176 | 0.2526 | 0.8702 | | 7,461.527 5 | 7,461.527 5 | 0.0558 | | 7,462.700 1 |
| Worker | 2.9788 | 4.4784 | 42.9648 | 0.1566 | 13.7714 | 0.0888 | 13.8602 | 3.6524 | 0.0824 | 3.7348 | | 10,690.28 81 | 10,690.28 81 | 0.4436 | | 10,699.60 33 |
| Total | 6.7044 | 19.4731 | 80.8830 | 0.2364 | 15.9346 | 0.3634 | 16.2979 | 4.2700 | 0.3350 | 4.6050 | | 18,151.81 56 | 18,151.81 56 | 0.4994 | | 18,162.30 34 |

3.13 Phase II – Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0128 | 9.9983 | 14.2850 | 0.0223 | | 0.5010 | 0.5010 | | 0.4609 | 0.4609 | | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |
| Paving | 3.8252 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 4.8380 | 9.9983 | 14.2850 | 0.0223 | | 0.5010 | 0.5010 | | 0.4609 | 0.4609 | | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |

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 | 0.0321 | 0.0482 | 0.4627 | 1.6900e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 115.1144 | 115.1144 | 4.7800e-003 | | 115.2147 |
| Total | 0.0321 | 0.0482 | 0.4627 | 1.6900e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 115.1144 | 115.1144 | 4.7800e-003 | | 115.2147 |

3.13 Phase II – Paving - 2023

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 | 0.9122 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |
| Paving | 3.8252 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 4.7374 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |

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 | 0.0321 | 0.0482 | 0.4627 | 1.6900e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 115.1144 | 115.1144 | 4.7800e-003 | | 115.2147 |
| Total | 0.0321 | 0.0482 | 0.4627 | 1.6900e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 115.1144 | 115.1144 | 4.7800e-003 | | 115.2147 |

3.14 Phase II – Architectural Coating - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 744.5508 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |
| Total | 744.7424 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |

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 | 0.5966 | 0.8970 | 8.6053 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,141.1273 | 2,141.1273 | 0.0888 | | 2,142.9931 |
| Total | 0.5966 | 0.8970 | 8.6053 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,141.1273 | 2,141.1273 | 0.0888 | | 2,142.9931 |

3.14 Phase II – Architectural Coating - 2023

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 | 744.5508 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1139 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |
| Total | 744.6647 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |

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 | 0.5966 | 0.8970 | 8.6053 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,141.1273 | 2,141.1273 | 0.0888 | | 2,142.9931 |
| Total | 0.5966 | 0.8970 | 8.6053 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,141.1273 | 2,141.1273 | 0.0888 | | 2,142.9931 |

3.14 Phase II – Architectural Coating - 2024

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 | 744.5508 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1808 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.7809 |
| Total | 744.7315 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.7809 |

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 | 0.5632 | 0.8424 | 8.0966 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,112.3620 | 2,112.3620 | 0.0852 | | 2,114.1520 |
| Total | 0.5632 | 0.8424 | 8.0966 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,112.3620 | 2,112.3620 | 0.0852 | | 2,114.1520 |

3.14 Phase II – Architectural Coating - 2024

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 | 744.5508 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1139 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.7809 |
| Total | 744.6647 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.7809 |

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 | 0.5632 | 0.8424 | 8.0966 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,112.3620 | 2,112.3620 | 0.0852 | | 2,114.1520 |
| Total | 0.5632 | 0.8424 | 8.0966 | 0.0314 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,112.3620 | 2,112.3620 | 0.0852 | | 2,114.1520 |

3.15 Phase III – Site Preparation - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.8238 | 27.5450 | 27.6020 | 0.0392 | | 1.2498 | 1.2498 | | 1.1498 | 1.1498 | | 3,794.3149 | 3,794.3149 | 1.2272 | | 3,820.0852 |
| Total | 2.8238 | 27.5450 | 27.6020 | 0.0392 | 18.0663 | 1.2498 | 19.3161 | 9.9307 | 1.1498 | 11.0805 | | 3,794.3149 | 3,794.3149 | 1.2272 | | 3,820.0852 |

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 | 0.0363 | 0.0544 | 0.5224 | 2.0200e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 136.2814 | 136.2814 | 5.5000e-003 | | 136.3969 |
| Total | 0.0363 | 0.0544 | 0.5224 | 2.0200e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 136.2814 | 136.2814 | 5.5000e-003 | | 136.3969 |

3.15 Phase III – Site Preparation - 2024

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 | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2300 | 34.4240 | 23.4003 | 0.0392 | | 0.9611 | 0.9611 | | 0.9611 | 0.9611 | 0.0000 | 3,794.3149 | 3,794.3149 | 1.2272 | | 3,820.0852 |
| Total | 1.2300 | 34.4240 | 23.4003 | 0.0392 | 8.1298 | 0.9611 | 9.0909 | 4.4688 | 0.9611 | 5.4299 | 0.0000 | 3,794.3149 | 3,794.3149 | 1.2272 | | 3,820.0852 |

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 | 0.0363 | 0.0544 | 0.5224 | 2.0200e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 136.2814 | 136.2814 | 5.5000e-003 | | 136.3969 |
| Total | 0.0363 | 0.0544 | 0.5224 | 2.0200e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 136.2814 | 136.2814 | 5.5000e-003 | | 136.3969 |

3.16 Phase III – Grading - 2024

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 | | | | | 8.6733 | 0.0000 | 8.6733 | 3.5965 | 0.0000 | 3.5965 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.3599 | 32.1927 | 33.4441 | 0.0618 | | 1.4234 | 1.4234 | | 1.3096 | 1.3096 | | 5,984.025 2 | 5,984.025 2 | 1.9354 | | 6,024.667 7 |
| Total | 3.3599 | 32.1927 | 33.4441 | 0.0618 | 8.6733 | 1.4234 | 10.0968 | 3.5965 | 1.3096 | 4.9061 | | 5,984.025 2 | 5,984.025 2 | 1.9354 | | 6,024.667 7 |

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 | 0.0404 | 0.0604 | 0.5804 | 2.2500e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 151.4238 | 151.4238 | 6.1100e-003 | | 151.5521 |
| Total | 0.0404 | 0.0604 | 0.5804 | 2.2500e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 151.4238 | 151.4238 | 6.1100e-003 | | 151.5521 |

3.16 Phase III – Grading - 2024

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 | | | | | 3.9030 | 0.0000 | 3.9030 | 1.6184 | 0.0000 | 1.6184 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8922 | 50.9465 | 37.9432 | 0.0618 | | 1.3783 | 1.3783 | | 1.3783 | 1.3783 | 0.0000 | 5,984.025 2 | 5,984.025 2 | 1.9354 | | 6,024.667 7 |
| Total | 1.8922 | 50.9465 | 37.9432 | 0.0618 | 3.9030 | 1.3783 | 5.2813 | 1.6184 | 1.3783 | 2.9967 | 0.0000 | 5,984.025 2 | 5,984.025 2 | 1.9354 | | 6,024.667 7 |

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 | 0.0404 | 0.0604 | 0.5804 | 2.2500e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 151.4238 | 151.4238 | 6.1100e-003 | | 151.5521 |
| Total | 0.0404 | 0.0604 | 0.5804 | 2.2500e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 151.4238 | 151.4238 | 6.1100e-003 | | 151.5521 |

3.17 Phase III – Building Construction - 2024

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 | 1.4653 | 13.3774 | 16.1332 | 0.0268 | | 0.6106 | 0.6106 | | 0.5744 | 0.5744 | | 2,545.1154 | 2,545.1154 | 0.6009 | | 2,557.7349 |
| Total | 1.4653 | 13.3774 | 16.1332 | 0.0268 | | 0.6106 | 0.6106 | | 0.5744 | 0.5744 | | 2,545.1154 | 2,545.1154 | 0.6009 | | 2,557.7349 |

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 | 3.7313 | 14.8407 | 37.2028 | 0.0798 | 2.1632 | 0.2758 | 2.4390 | 0.6176 | 0.2538 | 0.8714 | | 7,461.8515 | 7,461.8515 | 0.0561 | | 7,463.0288 |
| Worker | 2.8119 | 4.2059 | 40.4248 | 0.1565 | 13.7714 | 0.0887 | 13.8601 | 3.6524 | 0.0823 | 3.7348 | | 10,546.6678 | 10,546.6678 | 0.4256 | | 10,555.6046 |
| Total | 6.5431 | 19.0466 | 77.6276 | 0.2363 | 15.9345 | 0.3646 | 16.2991 | 4.2700 | 0.3361 | 4.6061 | | 18,008.5192 | 18,008.5192 | 0.4816 | | 18,018.6334 |

3.17 Phase III – Building Construction - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0268 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.1154 | 2,545.1154 | 0.6009 | | 2,557.7349 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0268 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.1154 | 2,545.1154 | 0.6009 | | 2,557.7349 |

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 | 3.7313 | 14.8407 | 37.2028 | 0.0798 | 2.1632 | 0.2758 | 2.4390 | 0.6176 | 0.2538 | 0.8714 | | 7,461.8515 | 7,461.8515 | 0.0561 | | 7,463.0288 |
| Worker | 2.8119 | 4.2059 | 40.4248 | 0.1565 | 13.7714 | 0.0887 | 13.8601 | 3.6524 | 0.0823 | 3.7348 | | 10,546.6678 | 10,546.6678 | 0.4256 | | 10,555.6046 |
| Total | 6.5431 | 19.0466 | 77.6276 | 0.2363 | 15.9345 | 0.3646 | 16.2991 | 4.2700 | 0.3361 | 4.6061 | | 18,008.5192 | 18,008.5192 | 0.4816 | | 18,018.6334 |

3.17 Phase III – Building Construction - 2025

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 | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.6445 | 14.7042 | 36.6943 | 0.0798 | 2.1632 | 0.2769 | 2.4401 | 0.6176 | 0.2547 | 0.8723 | | 7,462.3541 | 7,462.3541 | 0.0563 | | 7,463.5354 |
| Worker | 2.6770 | 3.9801 | 38.3949 | 0.1565 | 13.7714 | 0.0891 | 13.8605 | 3.6524 | 0.0827 | 3.7351 | | 10,420.1427 | 10,420.1427 | 0.4107 | | 10,428.7671 |
| Total | 6.3215 | 18.6843 | 75.0892 | 0.2363 | 15.9346 | 0.3660 | 16.3006 | 4.2701 | 0.3374 | 4.6074 | | 17,882.4968 | 17,882.4968 | 0.4669 | | 17,892.3025 |

3.17 Phase III – Building Construction - 2025

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.6445 | 14.7042 | 36.6943 | 0.0798 | 2.1632 | 0.2769 | 2.4401 | 0.6176 | 0.2547 | 0.8723 | | 7,462.3541 | 7,462.3541 | 0.0563 | | 7,463.5354 |
| Worker | 2.6770 | 3.9801 | 38.3949 | 0.1565 | 13.7714 | 0.0891 | 13.8605 | 3.6524 | 0.0827 | 3.7351 | | 10,420.1427 | 10,420.1427 | 0.4107 | | 10,428.7671 |
| Total | 6.3215 | 18.6843 | 75.0892 | 0.2363 | 15.9346 | 0.3660 | 16.3006 | 4.2701 | 0.3374 | 4.6074 | | 17,882.4968 | 17,882.4968 | 0.4669 | | 17,892.3025 |

3.18 Phase III – Architectural Coating - 2025

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 | 744.5508 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |
| Total | 744.7216 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |

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 | 0.5362 | 0.7972 | 7.6900 | 0.0313 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 2,087.0207 | 2,087.0207 | 0.0823 | | 2,088.7481 |
| Total | 0.5362 | 0.7972 | 7.6900 | 0.0313 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 2,087.0207 | 2,087.0207 | 0.0823 | | 2,088.7481 |

3.18 Phase III – Architectural Coating - 2025

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 | 744.5508 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1139 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |
| Total | 744.6647 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |

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 | 0.5362 | 0.7972 | 7.6900 | 0.0313 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 2,087.0207 | 2,087.0207 | 0.0823 | | 2,088.7481 |
| Total | 0.5362 | 0.7972 | 7.6900 | 0.0313 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 2,087.0207 | 2,087.0207 | 0.0823 | | 2,088.7481 |

3.19 Phase III – Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8973 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 2.8689 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 3.7662 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0288 | 0.0429 | 0.4134 | 1.6900e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 112.2054 | 112.2054 | 4.4200e-003 | | 112.2983 |
| Total | 0.0288 | 0.0429 | 0.4134 | 1.6900e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 112.2054 | 112.2054 | 4.4200e-003 | | 112.2983 |

3.19 Phase III – Paving - 2025

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 | 0.9122 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 2.8689 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 3.7811 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0288 | 0.0429 | 0.4134 | 1.6900e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 112.2054 | 112.2054 | 4.4200e-003 | | 112.2983 |
| Total | 0.0288 | 0.0429 | 0.4134 | 1.6900e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 112.2054 | 112.2054 | 4.4200e-003 | | 112.2983 |

3.20 Phases IV & V – Site Preparation - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.5083 | 23.5257 | 24.8879 | 0.0392 | | 1.0293 | 1.0293 | | 0.9470 | 0.9470 | | 3,793.840 3 | 3,793.840 3 | 1.2270 | | 3,819.607 4 |
| Total | 2.5083 | 23.5257 | 24.8879 | 0.0392 | 18.0663 | 1.0293 | 19.0956 | 9.9307 | 0.9470 | 10.8776 | | 3,793.840 3 | 3,793.840 3 | 1.2270 | | 3,819.607 4 |

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 | 0.0346 | 0.0514 | 0.4961 | 2.0200e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0700e-003 | 0.0483 | | 134.6465 | 134.6465 | 5.3100e-003 | | 134.7579 |
| Total | 0.0346 | 0.0514 | 0.4961 | 2.0200e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0700e-003 | 0.0483 | | 134.6465 | 134.6465 | 5.3100e-003 | | 134.7579 |

3.20 Phases IV & V – Site Preparation - 2025

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 | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2300 | 34.4240 | 23.4003 | 0.0392 | | 0.9611 | 0.9611 | | 0.9611 | 0.9611 | 0.0000 | 3,793.8403 | 3,793.8403 | 1.2270 | | 3,819.6074 |
| Total | 1.2300 | 34.4240 | 23.4003 | 0.0392 | 8.1298 | 0.9611 | 9.0909 | 4.4688 | 0.9611 | 5.4299 | 0.0000 | 3,793.8403 | 3,793.8403 | 1.2270 | | 3,819.6074 |

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 | 0.0346 | 0.0514 | 0.4961 | 2.0200e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0700e-003 | 0.0483 | | 134.6465 | 134.6465 | 5.3100e-003 | | 134.7579 |
| Total | 0.0346 | 0.0514 | 0.4961 | 2.0200e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0700e-003 | 0.0483 | | 134.6465 | 134.6465 | 5.3100e-003 | | 134.7579 |

3.21 Phases IV & V – Grading - 2025

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 | | | | | 8.6733 | 0.0000 | 8.6733 | 3.5965 | 0.0000 | 3.5965 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.0022 | 27.2606 | 31.3515 | 0.0618 | | 1.1867 | 1.1867 | | 1.0918 | 1.0918 | | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |
| Total | 3.0022 | 27.2606 | 31.3515 | 0.0618 | 8.6733 | 1.1867 | 9.8600 | 3.5965 | 1.0918 | 4.6883 | | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |

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 | 0.0384 | 0.0571 | 0.5513 | 2.2500e-003 | 0.1977 | 1.2800e-003 | 0.1990 | 0.0524 | 1.1900e-003 | 0.0536 | | 149.6072 | 149.6072 | 5.9000e-003 | | 149.7310 |
| Total | 0.0384 | 0.0571 | 0.5513 | 2.2500e-003 | 0.1977 | 1.2800e-003 | 0.1990 | 0.0524 | 1.1900e-003 | 0.0536 | | 149.6072 | 149.6072 | 5.9000e-003 | | 149.7310 |

3.21 Phases IV & V – Grading - 2025

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 | | | | | 3.9030 | 0.0000 | 3.9030 | 1.6184 | 0.0000 | 1.6184 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8922 | 50.9465 | 37.9432 | 0.0618 | | 1.3783 | 1.3783 | | 1.3783 | 1.3783 | 0.0000 | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |
| Total | 1.8922 | 50.9465 | 37.9432 | 0.0618 | 3.9030 | 1.3783 | 5.2813 | 1.6184 | 1.3783 | 2.9967 | 0.0000 | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |

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 | 0.0384 | 0.0571 | 0.5513 | 2.2500e-003 | 0.1977 | 1.2800e-003 | 0.1990 | 0.0524 | 1.1900e-003 | 0.0536 | | 149.6072 | 149.6072 | 5.9000e-003 | | 149.7310 |
| Total | 0.0384 | 0.0571 | 0.5513 | 2.2500e-003 | 0.1977 | 1.2800e-003 | 0.1990 | 0.0524 | 1.1900e-003 | 0.0536 | | 149.6072 | 149.6072 | 5.9000e-003 | | 149.7310 |

3.21 Phases IV & V – Grading - 2026

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 | | | | | 8.6733 | 0.0000 | 8.6733 | 3.5965 | 0.0000 | 3.5965 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.0022 | 27.2606 | 31.3515 | 0.0618 | | 1.1867 | 1.1867 | | 1.0918 | 1.0918 | | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |
| Total | 3.0022 | 27.2606 | 31.3515 | 0.0618 | 8.6733 | 1.1867 | 9.8600 | 3.5965 | 1.0918 | 4.6883 | | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |

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 | 0.0367 | 0.0544 | 0.5266 | 2.2500e-003 | 0.1977 | 1.2900e-003 | 0.1990 | 0.0524 | 1.2000e-003 | 0.0536 | | 148.0336 | 148.0336 | 5.7100e-003 | | 148.1535 |
| Total | 0.0367 | 0.0544 | 0.5266 | 2.2500e-003 | 0.1977 | 1.2900e-003 | 0.1990 | 0.0524 | 1.2000e-003 | 0.0536 | | 148.0336 | 148.0336 | 5.7100e-003 | | 148.1535 |

3.21 Phases IV & V – Grading - 2026

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 | | | | | 3.9030 | 0.0000 | 3.9030 | 1.6184 | 0.0000 | 1.6184 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8922 | 50.9465 | 37.9432 | 0.0618 | | 1.3783 | 1.3783 | | 1.3783 | 1.3783 | 0.0000 | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |
| Total | 1.8922 | 50.9465 | 37.9432 | 0.0618 | 3.9030 | 1.3783 | 5.2813 | 1.6184 | 1.3783 | 2.9967 | 0.0000 | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |

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 | 0.0367 | 0.0544 | 0.5266 | 2.2500e-003 | 0.1977 | 1.2900e-003 | 0.1990 | 0.0524 | 1.2000e-003 | 0.0536 | | 148.0336 | 148.0336 | 5.7100e-003 | | 148.1535 |
| Total | 0.0367 | 0.0544 | 0.5266 | 2.2500e-003 | 0.1977 | 1.2900e-003 | 0.1990 | 0.0524 | 1.2000e-003 | 0.0536 | | 148.0336 | 148.0336 | 5.7100e-003 | | 148.1535 |

3.22 Phases IV & V – Building Construction - 2026

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 | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.6813 | 14.5236 | 36.0679 | 0.0798 | 2.1634 | 0.2753 | 2.4387 | 0.6177 | 0.2532 | 0.8709 | | 7,463.2679 | 7,463.2679 | 0.0561 | | 7,464.4454 |
| Worker | 2.5579 | 3.7888 | 36.6747 | 0.1565 | 13.7714 | 0.0898 | 13.8612 | 3.6524 | 0.0834 | 3.7358 | | 10,310.5372 | 10,310.5372 | 0.3979 | | 10,318.8934 |
| Total | 6.2392 | 18.3124 | 72.7426 | 0.2363 | 15.9348 | 0.3651 | 16.2999 | 4.2701 | 0.3366 | 4.6067 | | 17,773.8052 | 17,773.8052 | 0.4540 | | 17,783.3388 |

3.22 Phases IV & V – Building Construction - 2026

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.6813 | 14.5236 | 36.0679 | 0.0798 | 2.1634 | 0.2753 | 2.4387 | 0.6177 | 0.2532 | 0.8709 | | 7,463.2679 | 7,463.2679 | 0.0561 | | 7,464.4454 |
| Worker | 2.5579 | 3.7888 | 36.6747 | 0.1565 | 13.7714 | 0.0898 | 13.8612 | 3.6524 | 0.0834 | 3.7358 | | 10,310.5372 | 10,310.5372 | 0.3979 | | 10,318.8934 |
| Total | 6.2392 | 18.3124 | 72.7426 | 0.2363 | 15.9348 | 0.3651 | 16.2999 | 4.2701 | 0.3366 | 4.6067 | | 17,773.8052 | 17,773.8052 | 0.4540 | | 17,783.3388 |

3.22 Phases IV & V – Building Construction - 2027

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 | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.4613 | 14.3655 | 34.2634 | 0.0798 | 2.1636 | 0.2756 | 2.4392 | 0.6178 | 0.2536 | 0.8713 | | 7,463.8861 | 7,463.8861 | 0.0562 | | 7,465.0656 |
| Worker | 2.4487 | 3.6162 | 35.1349 | 0.1564 | 13.7714 | 0.0904 | 13.8618 | 3.6524 | 0.0839 | 3.7364 | | 10,215.1959 | 10,215.1959 | 0.3865 | | 10,223.3128 |
| Total | 5.9101 | 17.9817 | 69.3983 | 0.2362 | 15.9350 | 0.3661 | 16.3011 | 4.2702 | 0.3375 | 4.6077 | | 17,679.0819 | 17,679.0819 | 0.4427 | | 17,688.3784 |

3.22 Phases IV & V – Building Construction - 2027

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.4613 | 14.3655 | 34.2634 | 0.0798 | 2.1636 | 0.2756 | 2.4392 | 0.6178 | 0.2536 | 0.8713 | | 7,463.8861 | 7,463.8861 | 0.0562 | | 7,465.0656 |
| Worker | 2.4487 | 3.6162 | 35.1349 | 0.1564 | 13.7714 | 0.0904 | 13.8618 | 3.6524 | 0.0839 | 3.7364 | | 10,215.1959 | 10,215.1959 | 0.3865 | | 10,223.3128 |
| Total | 5.9101 | 17.9817 | 69.3983 | 0.2362 | 15.9350 | 0.3661 | 16.3011 | 4.2702 | 0.3375 | 4.6077 | | 17,679.0819 | 17,679.0819 | 0.4427 | | 17,688.3784 |

3.22 Phases IV & V – Building Construction - 2028

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 | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.3960 | 14.2250 | 32.5134 | 0.0797 | 2.1638 | 0.2754 | 2.4392 | 0.6178 | 0.2533 | 0.8712 | | 7,464.5843 | 7,464.5843 | 0.0562 | | 7,465.7643 |
| Worker | 2.3489 | 3.4587 | 33.7719 | 0.1564 | 13.7714 | 0.0910 | 13.8624 | 3.6524 | 0.0844 | 3.7369 | | 10,133.0720 | 10,133.0720 | 0.3763 | | 10,140.9733 |
| Total | 5.7449 | 17.6838 | 66.2854 | 0.2362 | 15.9352 | 0.3664 | 16.3015 | 4.2703 | 0.3378 | 4.6081 | | 17,597.6563 | 17,597.6563 | 0.4324 | | 17,606.7376 |

3.22 Phases IV & V – Building Construction - 2028

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.3960 | 14.2250 | 32.5134 | 0.0797 | 2.1638 | 0.2754 | 2.4392 | 0.6178 | 0.2533 | 0.8712 | | 7,464.5843 | 7,464.5843 | 0.0562 | | 7,465.7643 |
| Worker | 2.3489 | 3.4587 | 33.7719 | 0.1564 | 13.7714 | 0.0910 | 13.8624 | 3.6524 | 0.0844 | 3.7369 | | 10,133.0720 | 10,133.0720 | 0.3763 | | 10,140.9733 |
| Total | 5.7449 | 17.6838 | 66.2854 | 0.2362 | 15.9352 | 0.3664 | 16.3015 | 4.2703 | 0.3378 | 4.6081 | | 17,597.6563 | 17,597.6563 | 0.4324 | | 17,606.7376 |

3.23 Phases IV & V – Architectural Coating - 2028

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 | 425.4576 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |
| Total | 425.6284 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |

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 | 0.4705 | 0.6927 | 6.7641 | 0.0313 | 2.7582 | 0.0182 | 2.7765 | 0.7315 | 0.0169 | 0.7485 | | 2,029.5241 | 2,029.5241 | 0.0754 | | 2,031.1066 |
| Total | 0.4705 | 0.6927 | 6.7641 | 0.0313 | 2.7582 | 0.0182 | 2.7765 | 0.7315 | 0.0169 | 0.7485 | | 2,029.5241 | 2,029.5241 | 0.0754 | | 2,031.1066 |

3.23 Phases IV & V – Architectural Coating - 2028

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 | 425.4576 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1139 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |
| Total | 425.5715 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |

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 | 0.4705 | 0.6927 | 6.7641 | 0.0313 | 2.7582 | 0.0182 | 2.7765 | 0.7315 | 0.0169 | 0.7485 | | 2,029.5241 | 2,029.5241 | 0.0754 | | 2,031.1066 |
| Total | 0.4705 | 0.6927 | 6.7641 | 0.0313 | 2.7582 | 0.0182 | 2.7765 | 0.7315 | 0.0169 | 0.7485 | | 2,029.5241 | 2,029.5241 | 0.0754 | | 2,031.1066 |

3.24 Phases IV & V – Paving - 2028

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8973 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 1.9126 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 2.8099 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0253 | 0.0372 | 0.3637 | 1.6800e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 109.1142 | 109.1142 | 4.0500e-003 | | 109.1993 |
| Total | 0.0253 | 0.0372 | 0.3637 | 1.6800e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 109.1142 | 109.1142 | 4.0500e-003 | | 109.1993 |

3.24 Phases IV & V – Paving - 2028

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 | 0.9122 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 1.9126 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 2.8248 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0253 | 0.0372 | 0.3637 | 1.6800e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 109.1142 | 109.1142 | 4.0500e-003 | | 109.1993 |
| Total | 0.0253 | 0.0372 | 0.3637 | 1.6800e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 109.1142 | 109.1142 | 4.0500e-003 | | 109.1993 |

3.24 Phases IV & V – Paving - 2029

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8973 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 1.9126 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 2.8099 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0242 | 0.0356 | 0.3493 | 1.6800e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 108.3511 | 108.3511 | 3.9400e-003 | | 108.4339 |
| Total | 0.0242 | 0.0356 | 0.3493 | 1.6800e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 108.3511 | 108.3511 | 3.9400e-003 | | 108.4339 |

3.24 Phases IV & V – Paving - 2029

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 | 0.9122 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 1.9126 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 2.8248 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0242 | 0.0356 | 0.3493 | 1.6800e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 108.3511 | 108.3511 | 3.9400e-003 | | 108.4339 |
| Total | 0.0242 | 0.0356 | 0.3493 | 1.6800e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 108.3511 | 108.3511 | 3.9400e-003 | | 108.4339 |

3.25 Phase VI – Site Preparation - 2029

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.5083 | 23.5257 | 24.8879 | 0.0392 | | 1.0293 | 1.0293 | | 0.9470 | 0.9470 | | 3,793.8403 | 3,793.8403 | 1.2270 | | 3,819.6074 |
| Total | 2.5083 | 23.5257 | 24.8879 | 0.0392 | 18.0663 | 1.0293 | 19.0956 | 9.9307 | 0.9470 | 10.8776 | | 3,793.8403 | 3,793.8403 | 1.2270 | | 3,819.6074 |

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 | 0.0291 | 0.0427 | 0.4192 | 2.0200e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 130.0213 | 130.0213 | 4.7300e-003 | | 130.1207 |
| Total | 0.0291 | 0.0427 | 0.4192 | 2.0200e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 130.0213 | 130.0213 | 4.7300e-003 | | 130.1207 |

3.25 Phase VI – Site Preparation - 2029

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 | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2300 | 34.4240 | 23.4003 | 0.0392 | | 0.9611 | 0.9611 | | 0.9611 | 0.9611 | 0.0000 | 3,793.840 3 | 3,793.840 3 | 1.2270 | | 3,819.607 4 |
| Total | 1.2300 | 34.4240 | 23.4003 | 0.0392 | 8.1298 | 0.9611 | 9.0909 | 4.4688 | 0.9611 | 5.4299 | 0.0000 | 3,793.840 3 | 3,793.840 3 | 1.2270 | | 3,819.607 4 |

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 | 0.0291 | 0.0427 | 0.4192 | 2.0200e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 130.0213 | 130.0213 | 4.7300e-003 | | 130.1207 |
| Total | 0.0291 | 0.0427 | 0.4192 | 2.0200e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 130.0213 | 130.0213 | 4.7300e-003 | | 130.1207 |

3.26 Phase VI – Grading - 2029

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 | | | | | 8.6733 | 0.0000 | 8.6733 | 3.5965 | 0.0000 | 3.5965 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.0022 | 27.2606 | 31.3515 | 0.0618 | | 1.1867 | 1.1867 | | 1.0918 | 1.0918 | | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |
| Total | 3.0022 | 27.2606 | 31.3515 | 0.0618 | 8.6733 | 1.1867 | 9.8600 | 3.5965 | 1.0918 | 4.6883 | | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |

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 | 0.0323 | 0.0475 | 0.4657 | 2.2500e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 144.4682 | 144.4682 | 5.2600e-003 | | 144.5786 |
| Total | 0.0323 | 0.0475 | 0.4657 | 2.2500e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 144.4682 | 144.4682 | 5.2600e-003 | | 144.5786 |

3.26 Phase VI – Grading - 2029

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 | | | | | 3.9030 | 0.0000 | 3.9030 | 1.6184 | 0.0000 | 1.6184 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8922 | 50.9465 | 37.9432 | 0.0618 | | 1.3783 | 1.3783 | | 1.3783 | 1.3783 | 0.0000 | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |
| Total | 1.8922 | 50.9465 | 37.9432 | 0.0618 | 3.9030 | 1.3783 | 5.2813 | 1.6184 | 1.3783 | 2.9967 | 0.0000 | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |

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 | 0.0323 | 0.0475 | 0.4657 | 2.2500e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 144.4682 | 144.4682 | 5.2600e-003 | | 144.5786 |
| Total | 0.0323 | 0.0475 | 0.4657 | 2.2500e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 144.4682 | 144.4682 | 5.2600e-003 | | 144.5786 |

3.27 Phase VI – Building Construction - 2029

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 | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.3636 | 14.1752 | 32.3855 | 0.0798 | 2.1640 | 0.2754 | 2.4394 | 0.6179 | 0.2534 | 0.8713 | | 7,465.7076 | 7,465.7076 | 0.0562 | | 7,466.8886 |
| Worker | 2.2487 | 3.3070 | 32.4389 | 0.1564 | 13.7714 | 0.0914 | 13.8628 | 3.6524 | 0.0848 | 3.7373 | | 10,062.2068 | 10,062.2068 | 0.3662 | | 10,069.8977 |
| Total | 5.6123 | 17.4822 | 64.8244 | 0.2362 | 15.9353 | 0.3669 | 16.3022 | 4.2704 | 0.3382 | 4.6086 | | 17,527.9144 | 17,527.9144 | 0.4225 | | 17,536.7863 |

3.27 Phase VI – Building Construction - 2029

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.3636 | 14.1752 | 32.3855 | 0.0798 | 2.1640 | 0.2754 | 2.4394 | 0.6179 | 0.2534 | 0.8713 | | 7,465.7076 | 7,465.7076 | 0.0562 | | 7,466.8886 |
| Worker | 2.2487 | 3.3070 | 32.4389 | 0.1564 | 13.7714 | 0.0914 | 13.8628 | 3.6524 | 0.0848 | 3.7373 | | 10,062.2068 | 10,062.2068 | 0.3662 | | 10,069.8977 |
| Total | 5.6123 | 17.4822 | 64.8244 | 0.2362 | 15.9353 | 0.3669 | 16.3022 | 4.2704 | 0.3382 | 4.6086 | | 17,527.9144 | 17,527.9144 | 0.4225 | | 17,536.7863 |

3.28 Phase VI – Architectural Coating - 2029

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 | 827.2786 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |
| Total | 827.4495 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |

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 | 0.4504 | 0.6624 | 6.4971 | 0.0313 | 2.7582 | 0.0183 | 2.7765 | 0.7315 | 0.0170 | 0.7485 | | 2,015.3307 | 2,015.3307 | 0.0734 | | 2,016.8711 |
| Total | 0.4504 | 0.6624 | 6.4971 | 0.0313 | 2.7582 | 0.0183 | 2.7765 | 0.7315 | 0.0170 | 0.7485 | | 2,015.3307 | 2,015.3307 | 0.0734 | | 2,016.8711 |

3.28 Phase VI – Architectural Coating - 2029

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 | 827.2786 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1139 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |
| Total | 827.3925 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |

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 | 0.4504 | 0.6624 | 6.4971 | 0.0313 | 2.7582 | 0.0183 | 2.7765 | 0.7315 | 0.0170 | 0.7485 | | 2,015.3307 | 2,015.3307 | 0.0734 | | 2,016.8711 |
| Total | 0.4504 | 0.6624 | 6.4971 | 0.0313 | 2.7582 | 0.0183 | 2.7765 | 0.7315 | 0.0170 | 0.7485 | | 2,015.3307 | 2,015.3307 | 0.0734 | | 2,016.8711 |

3.29 Phase VI – Paving - 2029

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8973 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 11.4756 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 12.3729 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0242 | 0.0356 | 0.3493 | 1.6800e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 108.3511 | 108.3511 | 3.9400e-003 | | 108.4339 |
| Total | 0.0242 | 0.0356 | 0.3493 | 1.6800e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 108.3511 | 108.3511 | 3.9400e-003 | | 108.4339 |

3.29 Phase VI – Paving - 2029

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 | 0.9122 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 11.4756 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 12.3878 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0242 | 0.0356 | 0.3493 | 1.6800e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 108.3511 | 108.3511 | 3.9400e-003 | | 108.4339 |
| Total | 0.0242 | 0.0356 | 0.3493 | 1.6800e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 108.3511 | 108.3511 | 3.9400e-003 | | 108.4339 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Increase Transit Accessibility
- Improve Pedestrian Network
- Expand Transit Network

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 15.3216 | 26.3613 | 120.1030 | 0.4393 | 30.4535 | 0.5354 | 30.9889 | 8.1436 | 0.4942 | 8.6377 | | 31,963.78 40 | 31,963.78 40 | 0.8736 | | 31,982.12 92 |
| Unmitigated | 16.1836 | 30.3126 | 136.4838 | 0.5255 | 36.6866 | 0.6297 | 37.3163 | 9.8103 | 0.5812 | 10.3916 | | 38,236.39 89 | 38,236.39 89 | 1.0312 | | 38,258.05 41 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|--------------------------|-------------------------|-----------------|-----------------|-------------------|-------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Apartments Mid Rise | 823.75 | 895.00 | 758.75 | 2,095,877 | 1,739,787 |
| City Park | 25.44 | 25.44 | 25.44 | 51,701 | 42,917 |
| Condo/Townhouse | 1,219.15 | 1,324.60 | 1,122.95 | 3,101,898 | 2,574,885 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Regional Shopping Center | 644.10 | 749.55 | 378.60 | 897,003 | 744,602 |
| Single Family Housing | 1,004.85 | 1,058.40 | 920.85 | 2,542,828 | 2,110,801 |
| Single Family Housing | 2,918.85 | 3,074.40 | 2,674.85 | 7,386,310 | 6,131,374 |
| Total | 6,636.14 | 7,127.39 | 5,881.44 | 16,075,617 | 13,344,365 |

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 |
| Apartments Mid Rise | 13.00 | 5.00 | 5.00 | 35.80 | 21.00 | 43.20 | 86 | 11 | 3 |
| City Park | 13.00 | 5.00 | 5.00 | 33.00 | 48.00 | 19.00 | 66 | 28 | 6 |
| Condo/Townhouse | 13.00 | 5.00 | 5.00 | 35.80 | 21.00 | 43.20 | 86 | 11 | 3 |
| Other Asphalt Surfaces | 13.00 | 5.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 13.00 | 5.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Regional Shopping Center | 13.00 | 5.00 | 5.00 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Single Family Housing | 13.00 | 5.00 | 5.00 | 35.80 | 21.00 | 43.20 | 86 | 11 | 3 |
| Single Family Housing | 13.00 | 5.00 | 5.00 | 35.80 | 21.00 | 43.20 | 86 | 11 | 3 |

4.4 Fleet Mix

| LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.457871 | 0.042296 | 0.214250 | 0.146969 | 0.067525 | 0.009931 | 0.017760 | 0.024978 | 0.002423 | 0.001427 | 0.009102 | 0.000742 | 0.004726 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable 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 | 0.4472 | 3.8217 | 1.6294 | 0.0244 | | 0.3090 | 0.3090 | | 0.3090 | 0.3090 | | 4,878.2274 | 4,878.2274 | 0.0935 | 0.0894 | 4,907.9155 |
| NaturalGas Unmitigated | 0.5650 | 4.8286 | 2.0589 | 0.0308 | | 0.3904 | 0.3904 | | 0.3904 | 0.3904 | | 6,163.4549 | 6,163.4549 | 0.1181 | 0.1130 | 6,200.9647 |

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 | | | | | |
| Apartments Mid Rise | 2783.43 | 0.0300 | 0.2565 | 0.1092 | 1.6400e-003 | | 0.0207 | 0.0207 | | 0.0207 | 0.0207 | | 327.4625 | 327.4625 | 6.2800e-003 | 6.0000e-003 | 329.4554 |
| City Park | 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 |
| Condo/Townhouse | 9870.69 | 0.1065 | 0.9097 | 0.3871 | 5.8100e-003 | | 0.0736 | 0.0736 | | 0.0736 | 0.0736 | | 1,161.2580 | 1,161.2580 | 0.0223 | 0.0213 | 1,168.3252 |
| 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 |
| 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 |
| Regional Shopping Center | 102.329 | 1.1000e-003 | 0.0100 | 8.4300e-003 | 6.0000e-005 | | 7.6000e-004 | 7.6000e-004 | | 7.6000e-004 | 7.6000e-004 | | 12.0387 | 12.0387 | 2.3000e-004 | 2.2000e-004 | 12.1119 |
| Single Family Housing | 10149.9 | 0.1095 | 0.9354 | 0.3980 | 5.9700e-003 | | 0.0756 | 0.0756 | | 0.0756 | 0.0756 | | 1,194.1050 | 1,194.1050 | 0.0229 | 0.0219 | 1,201.3721 |
| Single Family Housing | 29483 | 0.3180 | 2.7171 | 1.1562 | 0.0173 | | 0.2197 | 0.2197 | | 0.2197 | 0.2197 | | 3,468.5908 | 3,468.5908 | 0.0665 | 0.0636 | 3,489.7000 |
| Total | | 0.5650 | 4.8286 | 2.0589 | 0.0308 | | 0.3904 | 0.3904 | | 0.3904 | 0.3904 | | 6,163.4549 | 6,163.4549 | 0.1181 | 0.1130 | 6,200.9647 |

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 | | | | | |
| City Park | 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 |
| Condo/Townhouse | 7.77695 | 0.0839 | 0.7167 | 0.3050 | 4.5700e-003 | | 0.0580 | 0.0580 | | 0.0580 | 0.0580 | | 914.9350 | 914.9350 | 0.0175 | 0.0168 | 920.5032 |
| 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 |
| 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 |
| Regional Shopping Center | 0.0767466 | 8.3000e-004 | 7.5200e-003 | 6.3200e-003 | 5.0000e-005 | | 5.7000e-004 | 5.7000e-004 | | 5.7000e-004 | 5.7000e-004 | | 9.0290 | 9.0290 | 1.7000e-004 | 1.7000e-004 | 9.0840 |
| Single Family Housing | 23.34 | 0.2517 | 2.1509 | 0.9153 | 0.0137 | | 0.1739 | 0.1739 | | 0.1739 | 0.1739 | | 2,745.8784 | 2,745.8784 | 0.0526 | 0.0503 | 2,762.5893 |
| Single Family Housing | 8.03507 | 0.0867 | 0.7405 | 0.3151 | 4.7300e-003 | | 0.0599 | 0.0599 | | 0.0599 | 0.0599 | | 945.3024 | 945.3024 | 0.0181 | 0.0173 | 951.0554 |
| Apartments Mid Rise | 2.2362 | 0.0241 | 0.2061 | 0.0877 | 1.3200e-003 | | 0.0167 | 0.0167 | | 0.0167 | 0.0167 | | 263.0826 | 263.0826 | 5.0400e-003 | 4.8200e-003 | 264.6837 |
| Total | | 0.4472 | 3.8217 | 1.6294 | 0.0244 | | 0.3090 | 0.3090 | | 0.3090 | 0.3090 | | 4,878.2274 | 4,878.2274 | 0.0935 | 0.0894 | 4,907.9155 |

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 59.8618 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | 0.0000 | 107.3275 | 107.3275 | 0.1029 | 0.0000 | 109.4875 |
| Unmitigated | 64.2250 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | 0.0000 | 107.3275 | 107.3275 | 0.1029 | 0.0000 | 109.4875 |

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 | 4.0797 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | | 0.0000 |
| Consumer Products | 58.3575 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.7877 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | | 107.3275 | 107.3275 | 0.1029 | | | 109.4875 |
| Total | 64.2250 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | 0.0000 | 107.3275 | 107.3275 | 0.1029 | 0.0000 | | 109.4875 |

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 | 4.0797 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 53.9943 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.7877 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | | 107.3275 | 107.3275 | 0.1029 | | 109.4875 |
| Total | 59.8618 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | 0.0000 | 107.3275 | 107.3275 | 0.1029 | 0.0000 | 109.4875 |

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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 Vegetation

Avila Ranch Development Project San Luis Obispo County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|--------------------------|----------|---------------|-------------|--------------------|------------|
| Parking Lot | 1,652.00 | Space | 14.87 | 660,800.00 | 0 |
| Other Asphalt Surfaces | 7.03 | Acre | 7.03 | 306,226.80 | 0 |
| City Park | 16.00 | Acre | 16.00 | 696,960.00 | 0 |
| Regional Shopping Center | 15.00 | 1000sqft | 3.34 | 15,000.00 | 0 |
| Apartments Mid Rise | 125.00 | Dwelling Unit | 4.71 | 125,000.00 | 287 |
| Condo/Townhouse | 185.00 | Dwelling Unit | 11.05 | 185,000.00 | 424 |
| Single Family Housing | 105.00 | Dwelling Unit | 17.45 | 189,000.00 | 240 |
| Single Family Housing | 305.00 | Dwelling Unit | 35.03 | 549,000.00 | 698 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|--------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 3.2 | Precipitation Freq (Days) | 44 |
| Climate Zone | 4 | | | Operational Year | 2030 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 641.35 | CH4 Intensity (lb/MWhr) | 0.029 | N2O Intensity (lb/MWhr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Taken from project description

Construction Phase - taken from updated construction schedule september 29 2016

Architectural Coating - using at least 50 EF paint from mitigation

Woodstoves - no woodstoves or fireplaces

Area Coating - EF is 50 from mitigation

Water And Wastewater - based on city water use factors

Solid Waste - from estimated solid waste production under the table based on CalRecycle waste generation factors

Sequestration -

Construction Off-road Equipment Mitigation - based on mitigation

Mobile Land Use Mitigation -

Area Mitigation - 50 EF per mitigation

Energy Mitigation -

Water Mitigation -

| Table Name | Column Name | Default Value | New Value |
|-------------------------|----------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |

| | | | |
|-------------------------|---|--------|-------|
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblArchitecturalCoating | EF_Residential_Interior | 250.00 | 50.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 250 | 50 |
| tblAreaCoating | Area_EF_Nonresidential_Interior | 250 | 50 |
| tblAreaCoating | Area_EF_Residential_Exterior | 250 | 50 |
| tblAreaCoating | Area_EF_Residential_Interior | 250 | 50 |
| tblAreaMitigation | UseLowVOCPaintNonresidentialInteriorValue | 250 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialExteriorValue | 250 | 50 |
| tblAreaMitigation | UseLowVOCPaintResidentialInteriorValue | 250 | 50 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 17.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 18.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 7.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 14.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 14.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 26.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 54.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 14.00 |

| | | | |
|-------------------------|----------------------------|-----------|--------|
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 14.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstEquipMitigation | Tier | No Change | Tier 2 |
| tblConstructionPhase | NumDays | 3,100.00 | 665.00 |
| tblConstructionPhase | NumDays | 120.00 | 15.00 |
| tblConstructionPhase | NumDays | 120.00 | 60.00 |
| tblConstructionPhase | NumDays | 220.00 | 46.00 |
| tblConstructionPhase | NumDays | 310.00 | 125.00 |
| tblConstructionPhase | NumDays | 310.00 | 155.00 |
| tblConstructionPhase | NumDays | 220.00 | 15.00 |
| tblConstructionPhase | NumDays | 220.00 | 55.00 |
| tblConstructionPhase | NumDays | 120.00 | 15.00 |
| tblConstructionPhase | NumDays | 310.00 | 30.00 |
| tblConstructionPhase | NumDays | 3,100.00 | 100.00 |
| tblConstructionPhase | NumDays | 220.00 | 15.00 |

| | | | |
|----------------------|----------------------------|-----------|-----------|
| tblConstructionPhase | NumDays | 220.00 | 20.00 |
| tblConstructionPhase | NumDays | 120.00 | 20.00 |
| tblConstructionPhase | NumDays | 310.00 | 35.00 |
| tblConstructionPhase | NumDays | 3,100.00 | 340.00 |
| tblConstructionPhase | NumDays | 220.00 | 20.00 |
| tblConstructionPhase | NumDays | 220.00 | 20.00 |
| tblConstructionPhase | NumDays | 120.00 | 40.00 |
| tblConstructionPhase | NumDays | 310.00 | 135.00 |
| tblConstructionPhase | NumDays | 3,100.00 | 625.00 |
| tblConstructionPhase | NumDays | 220.00 | 35.00 |
| tblConstructionPhase | NumDays | 220.00 | 30.00 |
| tblConstructionPhase | NumDays | 120.00 | 5.00 |
| tblConstructionPhase | NumDays | 310.00 | 15.00 |
| tblConstructionPhase | NumDays | 3,100.00 | 150.00 |
| tblConstructionPhase | NumDays | 220.00 | 18.00 |
| tblConstructionPhase | NumDays | 220.00 | 5.00 |
| tblConstructionPhase | PhaseStartDate | 9/29/2029 | 9/30/2029 |
| tblGrading | AcresOfGrading | 387.50 | 0.00 |
| tblLandUse | LotAcreage | 0.34 | 3.34 |
| tblLandUse | LotAcreage | 3.29 | 4.71 |
| tblLandUse | LotAcreage | 11.56 | 11.05 |
| tblLandUse | LotAcreage | 34.09 | 17.45 |
| tblLandUse | LotAcreage | 99.03 | 35.03 |
| tblLandUse | Population | 358.00 | 287.00 |
| tblLandUse | Population | 529.00 | 424.00 |
| tblLandUse | Population | 300.00 | 240.00 |
| tblLandUse | Population | 872.00 | 698.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |

| | | | |
|---------------------------|----------------------------|---------------|---------------|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 3.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 3.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.00 |
| tblProjectCharacteristics | OperationalYear | 2014 | 2030 |
| tblSequestration | NumberOfNewTrees | 0.00 | 525.00 |
| tblSolidWaste | SolidWasteGenerationRate | 57.50 | 121.13 |
| tblSolidWaste | SolidWasteGenerationRate | 1.64 | 0.00 |
| tblSolidWaste | SolidWasteGenerationRate | 90.62 | 179.28 |
| tblSolidWaste | SolidWasteGenerationRate | 15.75 | 6.84 |
| tblSolidWaste | SolidWasteGenerationRate | 373.92 | 733.29 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 475.00 |
| tblTripsAndVMT | VendorTripNumber | 475.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 25.00 | 15.00 |
| tblTripsAndVMT | WorkerTripNumber | 30.00 | 18.00 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 20.00 |
| tblTripsAndVMT | WorkerTripNumber | 30.00 | 1,393.00 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 15.00 |
| tblTripsAndVMT | WorkerTripNumber | 1,393.00 | 279.00 |
| tblWater | IndoorWaterUseRate | 8,144,253.20 | 4,472,304.06 |
| tblWater | IndoorWaterUseRate | 12,835,343.05 | 6,619,019.72 |
| tblWater | IndoorWaterUseRate | 1,111,087.82 | 909,125.22 |
| tblWater | IndoorWaterUseRate | 25,931,302.20 | 18,992,412.22 |
| tblWater | OutdoorWaterUseRate | 5,134,420.50 | 2,859,341.94 |
| tblWater | OutdoorWaterUseRate | 22,733,464.15 | 10,427,245.00 |
| tblWater | OutdoorWaterUseRate | 8,091,846.70 | 4,231,832.28 |
| tblWater | OutdoorWaterUseRate | 680,989.31 | 557,205.78 |
| tblWater | OutdoorWaterUseRate | 16,347,994.86 | 12,142,689.78 |

| | | | |
|---------------|-------------------|----------|------|
| tblWoodstoves | WoodstoveDayYear | 60.00 | 0.00 |
| tblWoodstoves | WoodstoveDayYear | 60.00 | 0.00 |
| tblWoodstoves | WoodstoveDayYear | 60.00 | 0.00 |
| tblWoodstoves | WoodstoveWoodMass | 2,016.50 | 0.00 |
| tblWoodstoves | WoodstoveWoodMass | 2,016.50 | 0.00 |
| tblWoodstoves | WoodstoveWoodMass | 2,016.50 | 0.00 |

2.0 Emissions Summary

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 | | | | | |
| 2019 | 7.6249 | 81.0657 | 62.7117 | 0.0877 | 18.2442 | 3.8357 | 22.0799 | 9.9779 | 3.5289 | 13.5067 | 0.0000 | 8,634.756 9 | 8,634.756 9 | 2.6936 | 0.0000 | 8,691.321 6 |
| 2020 | 14.0520 | 80.6805 | 160.2496 | 0.2827 | 34.0005 | 3.0020 | 36.9480 | 14.2006 | 2.7618 | 16.9355 | 0.0000 | 23,246.92 95 | 23,246.92 95 | 2.6377 | 0.0000 | 23,302.32 12 |
| 2021 | 2.8233 | 20.0344 | 28.0410 | 0.0597 | 2.7582 | 1.0668 | 3.8251 | 0.7315 | 1.0085 | 1.7400 | 0.0000 | 4,929.222 1 | 4,929.222 1 | 0.7296 | 0.0000 | 4,944.543 7 |
| 2022 | 2.5727 | 18.0325 | 27.1572 | 0.0597 | 2.7582 | 0.9053 | 3.6635 | 0.7315 | 0.8564 | 1.5879 | 0.0000 | 4,896.639 5 | 4,896.639 5 | 0.7199 | 0.0000 | 4,911.756 6 |
| 2023 | 745.3715 | 35.0103 | 116.3297 | 0.2553 | 18.2442 | 1.5556 | 19.6361 | 9.9779 | 1.4311 | 11.2584 | 0.0000 | 20,114.38 30 | 20,114.38 30 | 1.9422 | 0.0000 | 20,155.16 88 |
| 2024 | 745.3255 | 33.2116 | 112.5360 | 0.2552 | 18.2442 | 1.4247 | 19.4952 | 9.9779 | 1.3107 | 11.1288 | 0.0000 | 19,977.72 89 | 19,977.72 89 | 1.9415 | 0.0000 | 20,018.49 97 |
| 2025 | 745.2873 | 31.8432 | 109.5793 | 0.2552 | 18.2442 | 1.1880 | 19.2747 | 9.9779 | 1.0930 | 10.9259 | 0.0000 | 19,857.89 93 | 19,857.89 93 | 1.9407 | 0.0000 | 19,898.65 43 |
| 2026 | 8.4323 | 31.4375 | 106.8521 | 0.2552 | 15.9348 | 1.1880 | 16.8282 | 4.2701 | 1.0930 | 5.1036 | 0.0000 | 19,753.90 78 | 19,753.90 78 | 1.9405 | 0.0000 | 19,794.65 88 |
| 2027 | 8.0069 | 31.0739 | 101.6962 | 0.2551 | 15.9350 | 0.8943 | 16.8293 | 4.2702 | 0.8344 | 5.1046 | 0.0000 | 19,663.19 85 | 19,663.19 85 | 1.0428 | 0.0000 | 19,685.09 82 |
| 2028 | 426.1259 | 30.7470 | 96.8181 | 0.2550 | 15.9352 | 0.8946 | 16.8298 | 4.2703 | 0.8347 | 5.1050 | 0.0000 | 19,585.17 25 | 19,585.17 25 | 1.0326 | 0.0000 | 19,606.85 71 |
| 2029 | 827.9264 | 30.5245 | 95.3237 | 0.2550 | 18.2442 | 1.1880 | 19.2747 | 9.9779 | 1.0930 | 10.9259 | 0.0000 | 19,518.28 11 | 19,518.28 11 | 1.9401 | 0.0000 | 19,559.02 26 |
| Total | 3,533.548 7 | 423.6611 | 1,017.294 5 | 2.2756 | 178.5429 | 17.1430 | 194.6844 | 78.3637 | 15.8453 | 93.3224 | 0.0000 | 180,178.1 191 | 180,178.1 191 | 18.5611 | 0.0000 | 180,567.9 025 |

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 | 64.2250 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | 0.0000 | 107.3275 | 107.3275 | 0.1029 | 0.0000 | 109.4875 |
| Energy | 0.5650 | 4.8286 | 2.0589 | 0.0308 | | 0.3904 | 0.3904 | | 0.3904 | 0.3904 | | 6,163.4549 | 6,163.4549 | 0.1181 | 0.1130 | 6,200.9647 |
| Mobile | 17.4010 | 32.0823 | 152.7690 | 0.5073 | 36.6866 | 0.6320 | 37.3186 | 9.8103 | 0.5833 | 10.3937 | | 37,006.0491 | 37,006.0491 | 1.0332 | | 37,027.7462 |
| Total | 82.1909 | 37.5954 | 214.2435 | 0.5413 | 36.6866 | 1.3524 | 38.0390 | 9.8103 | 1.3037 | 11.1140 | 0.0000 | 43,276.8316 | 43,276.8316 | 1.2542 | 0.1130 | 43,338.1984 |

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 | 59.8618 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | 0.0000 | 107.3275 | 107.3275 | 0.1029 | 0.0000 | 109.4875 |
| Energy | 0.4472 | 3.8217 | 1.6294 | 0.0244 | | 0.3090 | 0.3090 | | 0.3090 | 0.3090 | | 4,878.2274 | 4,878.2274 | 0.0935 | 0.0894 | 4,907.9155 |
| Mobile | 16.5372 | 27.8803 | 137.0716 | 0.4242 | 30.4535 | 0.5377 | 30.9912 | 8.1436 | 0.4963 | 8.6398 | | 30,933.0040 | 30,933.0040 | 0.8756 | | 30,951.3911 |
| Total | 76.8462 | 32.3866 | 198.1166 | 0.4517 | 30.4535 | 1.1766 | 31.6301 | 8.1436 | 1.1352 | 9.2788 | 0.0000 | 35,918.5589 | 35,918.5589 | 1.0719 | 0.0894 | 35,968.7941 |

| | ROG | NOx | CO | SO2 | 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 | 6.50 | 13.85 | 7.53 | 16.54 | 16.99 | 13.00 | 16.85 | 16.99 | 12.92 | 16.51 | 0.00 | 17.00 | 17.00 | 14.53 | 20.86 | 17.00 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|---|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Offsite Construction – Site Preparation | Site Preparation | 1/1/2019 | 3/25/2019 | 5 | 60 | |
| 2 | Offsite Construction – Grading | Grading | 3/26/2019 | 10/28/2019 | 5 | 155 | |
| 3 | Offsite Construction – Paving | Paving | 10/29/2019 | 12/31/2019 | 5 | 46 | |
| 4 | Phase I – Site Preparation | Site Preparation | 1/1/2020 | 1/21/2020 | 5 | 15 | |
| 5 | Phase I, III, IV – Grading | Grading | 1/22/2020 | 7/14/2020 | 5 | 125 | |
| 6 | Phase I – Building Construction | Building Construction | 7/15/2020 | 1/31/2023 | 5 | 665 | |
| 7 | Phase I – Paving | Paving | 2/1/2023 | 2/21/2023 | 5 | 15 | |
| 8 | Phase I – Architectural Coating | Architectural Coating | 2/22/2023 | 5/9/2023 | 5 | 55 | |
| 9 | Phase II – Site Preparation | Site Preparation | 5/10/2023 | 5/30/2023 | 5 | 15 | |
| 10 | Phase II – Grading | Grading | 5/31/2023 | 7/11/2023 | 5 | 30 | |
| 11 | Phase II – Building Construction | Building Construction | 7/12/2023 | 11/28/2023 | 5 | 100 | |
| 12 | Phase II – Paving | Paving | 11/29/2023 | 12/19/2023 | 5 | 15 | |
| 13 | Phase II – Architectural Coating | Architectural Coating | 12/20/2023 | 1/16/2024 | 5 | 20 | |
| 14 | Phase III – Site Preparation | Site Preparation | 1/17/2024 | 2/13/2024 | 5 | 20 | |
| 15 | Phase III – Grading | Grading | 2/14/2024 | 4/2/2024 | 5 | 35 | |
| 16 | Phase III – Building Construction | Building Construction | 4/3/2024 | 7/22/2025 | 5 | 340 | |
| 17 | Phase III – Architectural Coating | Architectural Coating | 7/23/2025 | 8/19/2025 | 5 | 20 | |
| 18 | Phase III – Paving | Paving | 8/20/2025 | 9/16/2025 | 5 | 20 | |
| 19 | Phases IV & V – Site Preparation | Site Preparation | 9/17/2025 | 11/11/2025 | 5 | 40 | |

| | | | | | | |
|----|---------------------------------------|-----------------------|------------|------------|---|-----|
| 20 | Phases IV & V – Grading | Grading | 11/12/2025 | 5/19/2026 | 5 | 135 |
| 21 | Phases IV & V – Building Construction | Building Construction | 5/20/2026 | 10/10/2028 | 5 | 625 |
| 22 | Phases IV & V – Architectural Coating | Architectural Coating | 10/11/2028 | 11/28/2028 | 5 | 35 |
| 23 | Phases IV & V – Paving | Paving | 11/29/2028 | 1/9/2029 | 5 | 30 |
| 24 | Phase VI – Site Preparation | Site Preparation | 1/10/2029 | 1/16/2029 | 5 | 5 |
| 25 | Phase VI – Grading | Grading | 1/17/2029 | 2/6/2029 | 5 | 15 |
| 26 | Phase VI – Building Construction | Building Construction | 2/7/2029 | 9/4/2029 | 5 | 150 |
| 27 | Phase VI – Architectural Coating | Architectural Coating | 9/5/2029 | 9/28/2029 | 5 | 18 |
| 28 | Phase VI – Paving | Paving | 9/30/2029 | 10/5/2029 | 5 | 5 |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 2,102,760; Residential Outdoor: 700,920; Non-Residential Indoor: 2,716,339; Non-Residential Outdoor: 905,446 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|--------------------------|--------|-------------|-------------|-------------|
| Phase I – Building Construction | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Offsite Construction – Site Preparation | Excavators | 3 | 8.00 | 162 | 0.38 |
| Offsite Construction – Site Preparation | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Offsite Construction – Paving | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase I – Site Preparation | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase I – Site Preparation | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase I – Site Preparation | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase I, III, IV – Grading | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase I, III, IV – Grading | Rollers | 2 | 8.00 | 80 | 0.38 |

| | | | | | |
|---|---------------------------|---|------|-----|------|
| Offsite Construction – Site Preparation | Rubber Tired Dozers | 2 | 8.00 | 255 | 0.40 |
| Offsite Construction – Paving | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase I – Site Preparation | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Offsite Construction – Paving | Graders | 1 | 8.00 | 174 | 0.41 |
| Offsite Construction – Paving | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase I, III, IV – Grading | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Offsite Construction – Grading | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Offsite Construction – Grading | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Offsite Construction – Paving | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase I – Site Preparation | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase II – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phase III – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phases IV & V – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phase VI – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phase I – Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Phase II – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase III – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phases IV & V – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase VI – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase I – Building Construction | Cranes | 1 | 7.00 | 226 | 0.29 |
| Phase II – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase III – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Offsite Construction – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phases IV & V – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase VI – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase I, III, IV – Grading | Excavators | 2 | 8.00 | 162 | 0.38 |
| Phase II – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase III – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |

| | | | | | |
|---------------------------------------|------------------|---|------|-----|------|
| Phases IV & V – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase VI – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase I – Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Phase II – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase III – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phases IV & V – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase VI – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase I – Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Phase II – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phase III – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Offsite Construction – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phases IV & V – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phase VI – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phase I, III, IV – Grading | Graders | 1 | 8.00 | 174 | 0.41 |
| Phase II – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase III – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phases IV & V – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase VI – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Offsite Construction – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase I – Paving | Pavers | 2 | 8.00 | 125 | 0.42 |
| Phase II – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phase III – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phases IV & V – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phase VI – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Offsite Construction – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phase I – Paving | Paving Equipment | 2 | 8.00 | 130 | 0.36 |
| Phase II – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Phase III – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |

| | | | | | |
|---------------------------------------|---------------------------|---|------|-----|------|
| Phases IV & V – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Phase VI – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Offsite Construction – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Phase I – Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Phase II – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase III – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phases IV & V – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase VI – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase I, III, IV – Grading | Rubber Tired Dozers | 1 | 8.00 | 255 | 0.40 |
| Phase III – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phases IV & V – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phase VI – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phase I – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phase II – Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 255 | 0.40 |
| Phase II – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase III – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Offsite Construction – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phases IV & V – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase VI – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase I, III, IV – Grading | Scrapers | 2 | 8.00 | 361 | 0.48 |
| Phase II – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase III – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phases IV & V – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase VI – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase I – Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Phase II – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase III – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phases IV & V – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |

| | | | | | |
|---|---------------------------|---|------|----|------|
| Phase VI – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Phase I, III, IV – Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Offsite Construction – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phase III – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phases IV & V – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phase VI – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phase II – Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Phase II – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase III – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phases IV & V – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase VI – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Phase I – Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |

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 |
|---|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Offsite Construction – Site Preparation | 10 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Offsite Construction – Grading | 12 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Offsite Construction – Paving | 14 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I – Site Preparation | 12 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I, III, IV – Grading | 14 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I – Building Construction | 10 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase III – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I – Architectural Coating | 1 | 279.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Building Construction | 9 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |

| | | | | | | | | | | |
|---------------------------------------|---|----------|--------|------|-------|------|-------|--------|---------|------|
| Phase III – Building Construction | 9 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Building Construction | 9 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Building Construction | 9 | 1,393.00 | 475.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Grading | 8 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase III – Grading | 8 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Grading | 8 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Grading | 8 | 20.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase III – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase I – Paving | 6 | 15.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase III – Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phases IV & V – Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase VI – Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Phase II – Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 13.00 | 5.00 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Offsite Construction – Site Preparation - 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 | | | | | 12.0442 | 0.0000 | 12.0442 | 6.6205 | 0.0000 | 6.6205 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.2536 | 43.2907 | 40.0157 | 0.0524 | | 2.2690 | 2.2690 | | 2.1058 | 2.1058 | | 5,159.400 1 | 5,159.400 1 | 1.4866 | | 5,190.618 3 |
| Total | 4.2536 | 43.2907 | 40.0157 | 0.0524 | 12.0442 | 2.2690 | 14.3131 | 6.6205 | 2.1058 | 8.7262 | | 5,159.400 1 | 5,159.400 1 | 1.4866 | | 5,190.618 3 |

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 | 0.0454 | 0.0748 | 0.6268 | 1.6100e-003 | 0.1483 | 9.9000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 119.9921 | 119.9921 | 5.9700e-003 | | 120.1175 |
| Total | 0.0454 | 0.0748 | 0.6268 | 1.6100e-003 | 0.1483 | 9.9000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 119.9921 | 119.9921 | 5.9700e-003 | | 120.1175 |

3.2 Offsite Construction – Site Preparation - 2019

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 | | | | | 5.4199 | 0.0000 | 5.4199 | 2.9792 | 0.0000 | 2.9792 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8728 | 45.4945 | 34.6332 | 0.0524 | | 1.4199 | 1.4199 | | 1.4199 | 1.4199 | 0.0000 | 5,159.400 1 | 5,159.400 1 | 1.4866 | | 5,190.618 3 |
| Total | 1.8728 | 45.4945 | 34.6332 | 0.0524 | 5.4199 | 1.4199 | 6.8398 | 2.9792 | 1.4199 | 4.3991 | 0.0000 | 5,159.400 1 | 5,159.400 1 | 1.4866 | | 5,190.618 3 |

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 | 0.0454 | 0.0748 | 0.6268 | 1.6100e-003 | 0.1483 | 9.9000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 119.9921 | 119.9921 | 5.9700e-003 | | 120.1175 |
| Total | 0.0454 | 0.0748 | 0.6268 | 1.6100e-003 | 0.1483 | 9.9000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 119.9921 | 119.9921 | 5.9700e-003 | | 120.1175 |

3.3 Offsite Construction – Grading - 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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 7.4152 | 80.9760 | 61.9596 | 0.0857 | | 3.8345 | 3.8345 | | 3.5278 | 3.5278 | | 8,490.7664 | 8,490.7664 | 2.6864 | | 8,547.1806 |
| Total | 7.4152 | 80.9760 | 61.9596 | 0.0857 | 18.0663 | 3.8345 | 21.9008 | 9.9307 | 3.5278 | 13.4585 | | 8,490.7664 | 8,490.7664 | 2.6864 | | 8,547.1806 |

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 | 0.0545 | 0.0897 | 0.7522 | 1.9300e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 143.9905 | 143.9905 | 7.1700e-003 | | 144.1410 |
| Total | 0.0545 | 0.0897 | 0.7522 | 1.9300e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 143.9905 | 143.9905 | 7.1700e-003 | | 144.1410 |

3.3 Offsite Construction – Grading - 2019

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 | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.6151 | 71.8913 | 51.9820 | 0.0857 | | 1.9380 | 1.9380 | | 1.9380 | 1.9380 | 0.0000 | 8,490.7664 | 8,490.7664 | 2.6864 | | 8,547.1805 |
| Total | 2.6151 | 71.8913 | 51.9820 | 0.0857 | 8.1298 | 1.9380 | 10.0678 | 4.4688 | 1.9380 | 6.4068 | 0.0000 | 8,490.7664 | 8,490.7664 | 2.6864 | | 8,547.1805 |

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 | 0.0545 | 0.0897 | 0.7522 | 1.9300e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 143.9905 | 143.9905 | 7.1700e-003 | | 144.1410 |
| Total | 0.0545 | 0.0897 | 0.7522 | 1.9300e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 143.9905 | 143.9905 | 7.1700e-003 | | 144.1410 |

3.4 Offsite Construction – Paving - 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 | 6.3170 | 69.1331 | 54.6540 | 0.0840 | | 3.3143 | 3.3143 | | 3.0492 | 3.0492 | | 8,320.285 2 | 8,320.285 2 | 2.6325 | | 8,375.566 7 |
| Paving | 1.2474 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 7.5644 | 69.1331 | 54.6540 | 0.0840 | | 3.3143 | 3.3143 | | 3.0492 | 3.0492 | | 8,320.285 2 | 8,320.285 2 | 2.6325 | | 8,375.566 7 |

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 | 0.0605 | 0.0997 | 0.8357 | 2.1500e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 159.9895 | 159.9895 | 7.9600e-003 | | 160.1567 |
| Total | 0.0605 | 0.0997 | 0.8357 | 2.1500e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 159.9895 | 159.9895 | 7.9600e-003 | | 160.1567 |

3.4 Offsite Construction – Paving - 2019

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 2.8043 | 70.6463 | 54.8708 | 0.0840 | | 2.0325 | 2.0325 | | 2.0325 | 2.0325 | 0.0000 | 8,320.285 2 | 8,320.285 2 | 2.6325 | | 8,375.566 7 |
| Paving | 1.2474 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 4.0517 | 70.6463 | 54.8708 | 0.0840 | | 2.0325 | 2.0325 | | 2.0325 | 2.0325 | 0.0000 | 8,320.285 2 | 8,320.285 2 | 2.6325 | | 8,375.566 7 |

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 | 0.0605 | 0.0997 | 0.8357 | 2.1500e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 159.9895 | 159.9895 | 7.9600e-003 | | 160.1567 |
| Total | 0.0605 | 0.0997 | 0.8357 | 2.1500e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 159.9895 | 159.9895 | 7.9600e-003 | | 160.1567 |

3.5 Phase I – Site Preparation - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.9983 | 49.5273 | 40.6161 | 0.0535 | | 2.5112 | 2.5112 | | 2.3330 | 2.3330 | | 5,131.6875 | 5,131.6875 | 1.4568 | | 5,162.2811 |
| Total | 4.9983 | 49.5273 | 40.6161 | 0.0535 | 18.0663 | 2.5112 | 20.5775 | 9.9307 | 2.3330 | 12.2637 | | 5,131.6875 | 5,131.6875 | 1.4568 | | 5,162.2811 |

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 | 5.2455 | 24.8458 | 67.2689 | 0.0798 | 2.1628 | 0.3466 | 2.5094 | 0.6175 | 0.3188 | 0.9362 | | 7,420.4746 | 7,420.4746 | 0.0606 | | 7,421.7469 |
| Worker | 3.8082 | 6.3074 | 52.3646 | 0.1494 | 13.7714 | 0.0898 | 13.8612 | 3.6524 | 0.0832 | 3.7357 | | 10,694.7674 | 10,694.7674 | 0.5159 | | 10,705.6016 |
| Total | 9.0537 | 31.1532 | 119.6335 | 0.2292 | 15.9342 | 0.4364 | 16.3706 | 4.2699 | 0.4020 | 4.6719 | | 18,115.2420 | 18,115.2420 | 0.5765 | | 18,127.3485 |

3.5 Phase I – Site Preparation - 2020

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.7258 | 45.8587 | 31.8476 | 0.0535 | | 1.3765 | 1.3765 | | 1.3765 | 1.3765 | 0.0000 | 5,131.6875 | 5,131.6875 | 1.4568 | | 5,162.2811 |
| Total | 1.7258 | 45.8587 | 31.8476 | 0.0535 | 8.1298 | 1.3765 | 9.5063 | 4.4688 | 1.3765 | 5.8453 | 0.0000 | 5,131.6875 | 5,131.6875 | 1.4568 | | 5,162.2811 |

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 | 5.2455 | 24.8458 | 67.2689 | 0.0798 | 2.1628 | 0.3466 | 2.5094 | 0.6175 | 0.3188 | 0.9362 | | 7,420.4746 | 7,420.4746 | 0.0606 | | 7,421.7469 |
| Worker | 3.8082 | 6.3074 | 52.3646 | 0.1494 | 13.7714 | 0.0898 | 13.8612 | 3.6524 | 0.0832 | 3.7357 | | 10,694.7674 | 10,694.7674 | 0.5159 | | 10,705.6016 |
| Total | 9.0537 | 31.1532 | 119.6335 | 0.2292 | 15.9342 | 0.4364 | 16.3706 | 4.2699 | 0.4020 | 4.6719 | | 18,115.2420 | 18,115.2420 | 0.5765 | | 18,127.3485 |

3.6 Phase I, III, IV – Grading - 2020

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.6733 | 0.0000 | 8.6733 | 3.5965 | 0.0000 | 3.5965 | | | 0.0000 | | | 0.0000 |
| Off-Road | 5.8802 | 63.1684 | 52.7780 | 0.0840 | | 3.0010 | 3.0010 | | 2.7609 | 2.7609 | | 8,138.4659 | 8,138.4659 | 2.6321 | | 8,193.7410 |
| Total | 5.8802 | 63.1684 | 52.7780 | 0.0840 | 8.6733 | 3.0010 | 11.6743 | 3.5965 | 2.7609 | 6.3574 | | 8,138.4659 | 8,138.4659 | 2.6321 | | 8,193.7410 |

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 | 0.0410 | 0.0679 | 0.5639 | 1.6100e-003 | 0.1483 | 9.7000e-004 | 0.1493 | 0.0393 | 9.0000e-004 | 0.0402 | | 115.1626 | 115.1626 | 5.5600e-003 | | 115.2793 |
| Total | 0.0410 | 0.0679 | 0.5639 | 1.6100e-003 | 0.1483 | 9.7000e-004 | 0.1493 | 0.0393 | 9.0000e-004 | 0.0402 | | 115.1626 | 115.1626 | 5.5600e-003 | | 115.2793 |

3.6 Phase I, III, IV – Grading - 2020

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 3.9030 | 0.0000 | 3.9030 | 1.6184 | 0.0000 | 1.6184 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.8043 | 70.6463 | 54.8708 | 0.0840 | | 2.0325 | 2.0325 | | 2.0325 | 2.0325 | 0.0000 | 8,138.4659 | 8,138.4659 | 2.6321 | | 8,193.7410 |
| Total | 2.8043 | 70.6463 | 54.8708 | 0.0840 | 3.9030 | 2.0325 | 5.9355 | 1.6184 | 2.0325 | 3.6509 | 0.0000 | 8,138.4659 | 8,138.4659 | 2.6321 | | 8,193.7410 |

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 | 0.0410 | 0.0679 | 0.5639 | 1.6100e-003 | 0.1483 | 9.7000e-004 | 0.1493 | 0.0393 | 9.0000e-004 | 0.0402 | | 115.1626 | 115.1626 | 5.5600e-003 | | 115.2793 |
| Total | 0.0410 | 0.0679 | 0.5639 | 1.6100e-003 | 0.1483 | 9.7000e-004 | 0.1493 | 0.0393 | 9.0000e-004 | 0.0402 | | 115.1626 | 115.1626 | 5.5600e-003 | | 115.2793 |

3.7 Phase I – 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 | 2.3534 | 20.7678 | 18.6399 | 0.0298 | | 1.2238 | 1.2238 | | 1.1574 | 1.1574 | | 2,823.9280 | 2,823.9280 | 0.6412 | | 2,837.3937 |
| Total | 2.3534 | 20.7678 | 18.6399 | 0.0298 | | 1.2238 | 1.2238 | | 1.1574 | 1.1574 | | 2,823.9280 | 2,823.9280 | 0.6412 | | 2,837.3937 |

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 | 0.7627 | 1.2633 | 10.4880 | 0.0299 | 2.7582 | 0.0180 | 2.7762 | 0.7315 | 0.0167 | 0.7482 | | 2,142.0245 | 2,142.0245 | 0.1033 | | 2,144.1944 |
| Total | 0.7627 | 1.2633 | 10.4880 | 0.0299 | 2.7582 | 0.0180 | 2.7762 | 0.7315 | 0.0167 | 0.7482 | | 2,142.0245 | 2,142.0245 | 0.1033 | | 2,144.1944 |

3.7 Phase I – Building Construction - 2020

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,823.9280 | 2,823.9280 | 0.6412 | | 2,837.3937 |
| Total | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,823.9280 | 2,823.9280 | 0.6412 | | 2,837.3937 |

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 | 0.7627 | 1.2633 | 10.4880 | 0.0299 | 2.7582 | 0.0180 | 2.7762 | 0.7315 | 0.0167 | 0.7482 | | 2,142.0245 | 2,142.0245 | 0.1033 | | 2,144.1944 |
| Total | 0.7627 | 1.2633 | 10.4880 | 0.0299 | 2.7582 | 0.0180 | 2.7762 | 0.7315 | 0.0167 | 0.7482 | | 2,142.0245 | 2,142.0245 | 0.1033 | | 2,144.1944 |

3.7 Phase I – 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 | 2.1120 | 18.8671 | 18.3552 | 0.0298 | | 1.0490 | 1.0490 | | 0.9919 | 0.9919 | | 2,824.2298 | 2,824.2298 | 0.6319 | | 2,837.4998 |
| Total | 2.1120 | 18.8671 | 18.3552 | 0.0298 | | 1.0490 | 1.0490 | | 0.9919 | 0.9919 | | 2,824.2298 | 2,824.2298 | 0.6319 | | 2,837.4998 |

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 | 0.7113 | 1.1673 | 9.6858 | 0.0299 | 2.7582 | 0.0179 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 2,104.9923 | 2,104.9923 | 0.0977 | | 2,107.0439 |
| Total | 0.7113 | 1.1673 | 9.6858 | 0.0299 | 2.7582 | 0.0179 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 2,104.9923 | 2,104.9923 | 0.0977 | | 2,107.0439 |

3.7 Phase I – Building Construction - 2021

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,824.2298 | 2,824.2298 | 0.6319 | | 2,837.4998 |
| Total | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,824.2298 | 2,824.2298 | 0.6319 | | 2,837.4998 |

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 | 0.7113 | 1.1673 | 9.6858 | 0.0299 | 2.7582 | 0.0179 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 2,104.9923 | 2,104.9923 | 0.0977 | | 2,107.0439 |
| Total | 0.7113 | 1.1673 | 9.6858 | 0.0299 | 2.7582 | 0.0179 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 2,104.9923 | 2,104.9923 | 0.0977 | | 2,107.0439 |

3.7 Phase I – Building Construction - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.9037 | 16.9449 | 18.1412 | 0.0298 | | 0.8874 | 0.8874 | | 0.8398 | 0.8398 | | 2,825.1977 | 2,825.1977 | 0.6269 | | 2,838.3615 |
| Total | 1.9037 | 16.9449 | 18.1412 | 0.0298 | | 0.8874 | 0.8874 | | 0.8398 | 0.8398 | | 2,825.1977 | 2,825.1977 | 0.6269 | | 2,838.3615 |

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 | 0.6690 | 1.0877 | 9.0161 | 0.0299 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0165 | 0.7481 | | 2,071.4418 | 2,071.4418 | 0.0930 | | 2,073.3951 |
| Total | 0.6690 | 1.0877 | 9.0161 | 0.0299 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0165 | 0.7481 | | 2,071.4418 | 2,071.4418 | 0.0930 | | 2,073.3951 |

3.7 Phase I – Building Construction - 2022

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,825.1977 | 2,825.1977 | 0.6269 | | 2,838.3615 |
| Total | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,825.1977 | 2,825.1977 | 0.6269 | | 2,838.3615 |

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 | 0.6690 | 1.0877 | 9.0161 | 0.0299 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0165 | 0.7481 | | 2,071.4418 | 2,071.4418 | 0.0930 | | 2,073.3951 |
| Total | 0.6690 | 1.0877 | 9.0161 | 0.0299 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0165 | 0.7481 | | 2,071.4418 | 2,071.4418 | 0.0930 | | 2,073.3951 |

3.7 Phase I – Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.7578 | 15.6156 | 18.0204 | 0.0298 | | 0.7675 | 0.7675 | | 0.7265 | 0.7265 | | 2,826.0743 | 2,826.0743 | 0.6213 | | 2,839.1208 |
| Total | 1.7578 | 15.6156 | 18.0204 | 0.0298 | | 0.7675 | 0.7675 | | 0.7265 | 0.7265 | | 2,826.0743 | 2,826.0743 | 0.6213 | | 2,839.1208 |

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 | 0.6291 | 1.0156 | 8.3816 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,040.8695 | 2,040.8695 | 0.0888 | | 2,042.7353 |
| Total | 0.6291 | 1.0156 | 8.3816 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,040.8695 | 2,040.8695 | 0.0888 | | 2,042.7353 |

3.7 Phase I – Building Construction - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,826.0743 | 2,826.0743 | 0.6213 | | 2,839.1208 |
| Total | 1.1921 | 25.8140 | 19.6480 | 0.0298 | | 0.9967 | 0.9967 | | 0.9967 | 0.9967 | 0.0000 | 2,826.0743 | 2,826.0743 | 0.6213 | | 2,839.1208 |

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 | 0.6291 | 1.0156 | 8.3816 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,040.8695 | 2,040.8695 | 0.0888 | | 2,042.7353 |
| Total | 0.6291 | 1.0156 | 8.3816 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,040.8695 | 2,040.8695 | 0.0888 | | 2,042.7353 |

3.8 Phase I – Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0128 | 9.9983 | 14.2850 | 0.0223 | | 0.5010 | 0.5010 | | 0.4609 | 0.4609 | | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |
| Paving | 3.8252 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 4.8380 | 9.9983 | 14.2850 | 0.0223 | | 0.5010 | 0.5010 | | 0.4609 | 0.4609 | | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0338 | 0.0546 | 0.4506 | 1.6100e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 109.7242 | 109.7242 | 4.7800e-003 | | 109.8245 |
| Total | 0.0338 | 0.0546 | 0.4506 | 1.6100e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 109.7242 | 109.7242 | 4.7800e-003 | | 109.8245 |

3.8 Phase I – Paving - 2023

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 | 0.9122 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |
| Paving | 3.8252 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 4.7374 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0338 | 0.0546 | 0.4506 | 1.6100e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 109.7242 | 109.7242 | 4.7800e-003 | | 109.8245 |
| Total | 0.0338 | 0.0546 | 0.4506 | 1.6100e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 109.7242 | 109.7242 | 4.7800e-003 | | 109.8245 |

3.9 Phase I – Architectural Coating - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 270.7457 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |
| Total | 270.9374 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |

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 | 0.6291 | 1.0156 | 8.3816 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,040.8695 | 2,040.8695 | 0.0888 | | 2,042.7353 |
| Total | 0.6291 | 1.0156 | 8.3816 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,040.8695 | 2,040.8695 | 0.0888 | | 2,042.7353 |

3.9 Phase I – Architectural Coating - 2023

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 | 270.7457 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1139 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |
| Total | 270.8596 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |

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 | 0.6291 | 1.0156 | 8.3816 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,040.8695 | 2,040.8695 | 0.0888 | | 2,042.7353 |
| Total | 0.6291 | 1.0156 | 8.3816 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,040.8695 | 2,040.8695 | 0.0888 | | 2,042.7353 |

3.10 Phase II – Site Preparation - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.0157 | 29.9342 | 28.8193 | 0.0392 | | 1.3907 | 1.3907 | | 1.2795 | 1.2795 | | 3,793.9535 | 3,793.9535 | 1.2270 | | 3,819.7214 |
| Total | 3.0157 | 29.9342 | 28.8193 | 0.0392 | 18.0663 | 1.3907 | 19.4570 | 9.9307 | 1.2795 | 11.2102 | | 3,793.9535 | 3,793.9535 | 1.2270 | | 3,819.7214 |

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 | 0.0406 | 0.0655 | 0.5408 | 1.9300e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 131.6690 | 131.6690 | 5.7300e-003 | | 131.7894 |
| Total | 0.0406 | 0.0655 | 0.5408 | 1.9300e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 131.6690 | 131.6690 | 5.7300e-003 | | 131.7894 |

3.10 Phase II – Site Preparation - 2023

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 | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2300 | 34.4240 | 23.4003 | 0.0392 | | 0.9611 | 0.9611 | | 0.9611 | 0.9611 | 0.0000 | 3,793.9535 | 3,793.9535 | 1.2270 | | 3,819.7214 |
| Total | 1.2300 | 34.4240 | 23.4003 | 0.0392 | 8.1298 | 0.9611 | 9.0909 | 4.4688 | 0.9611 | 5.4299 | 0.0000 | 3,793.9535 | 3,793.9535 | 1.2270 | | 3,819.7214 |

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 | 0.0406 | 0.0655 | 0.5408 | 1.9300e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 131.6690 | 131.6690 | 5.7300e-003 | | 131.7894 |
| Total | 0.0406 | 0.0655 | 0.5408 | 1.9300e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 131.6690 | 131.6690 | 5.7300e-003 | | 131.7894 |

3.11 Phase II – Grading - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.6733 | 0.0000 | 8.6733 | 3.5965 | 0.0000 | 3.5965 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.5314 | 34.9375 | 34.1888 | 0.0618 | | 1.5543 | 1.5543 | | 1.4300 | 1.4300 | | 5,985.4359 | 5,985.4359 | 1.9358 | | 6,026.0879 |
| Total | 3.5314 | 34.9375 | 34.1888 | 0.0618 | 8.6733 | 1.5543 | 10.2276 | 3.5965 | 1.4300 | 5.0265 | | 5,985.4359 | 5,985.4359 | 1.9358 | | 6,026.0879 |

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 | 0.0451 | 0.0728 | 0.6008 | 2.1400e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 146.2989 | 146.2989 | 6.3700e-003 | | 146.4326 |
| Total | 0.0451 | 0.0728 | 0.6008 | 2.1400e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 146.2989 | 146.2989 | 6.3700e-003 | | 146.4326 |

3.11 Phase II – Grading - 2023

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 | | | | | 3.9030 | 0.0000 | 3.9030 | 1.6184 | 0.0000 | 1.6184 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8922 | 50.9465 | 37.9432 | 0.0618 | | 1.3783 | 1.3783 | | 1.3783 | 1.3783 | 0.0000 | 5,985.4359 | 5,985.4359 | 1.9358 | | 6,026.0879 |
| Total | 1.8922 | 50.9465 | 37.9432 | 0.0618 | 3.9030 | 1.3783 | 5.2813 | 1.6184 | 1.3783 | 2.9967 | 0.0000 | 5,985.4359 | 5,985.4359 | 1.9358 | | 6,026.0879 |

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 | 0.0451 | 0.0728 | 0.6008 | 2.1400e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 146.2989 | 146.2989 | 6.3700e-003 | | 146.4326 |
| Total | 0.0451 | 0.0728 | 0.6008 | 2.1400e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 146.2989 | 146.2989 | 6.3700e-003 | | 146.4326 |

3.12 Phase II – Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.5661 | 14.3126 | 16.2093 | 0.0268 | | 0.6967 | 0.6967 | | 0.6557 | 0.6557 | | 2,544.6262 | 2,544.6262 | 0.6044 | | 2,557.3191 |
| Total | 1.5661 | 14.3126 | 16.2093 | 0.0268 | | 0.6967 | 0.6967 | | 0.6557 | 0.6557 | | 2,544.6262 | 2,544.6262 | 0.6044 | | 2,557.3191 |

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 | 4.4520 | 15.2368 | 58.2727 | 0.0793 | 2.1632 | 0.2779 | 2.4410 | 0.6176 | 0.2556 | 0.8732 | | 7,380.0390 | 7,380.0390 | 0.0585 | | 7,381.2664 |
| Worker | 3.1409 | 5.0708 | 41.8478 | 0.1492 | 13.7714 | 0.0888 | 13.8602 | 3.6524 | 0.0824 | 3.7348 | | 10,189.7178 | 10,189.7178 | 0.4436 | | 10,199.0330 |
| Total | 7.5930 | 20.3076 | 100.1205 | 0.2284 | 15.9346 | 0.3666 | 16.3012 | 4.2700 | 0.3380 | 4.6080 | | 17,569.7568 | 17,569.7568 | 0.5020 | | 17,580.2994 |

3.12 Phase II – Building Construction - 2023

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0268 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,544.6262 | 2,544.6262 | 0.6044 | | 2,557.3191 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0268 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,544.6262 | 2,544.6262 | 0.6044 | | 2,557.3191 |

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 | 4.4520 | 15.2368 | 58.2727 | 0.0793 | 2.1632 | 0.2779 | 2.4410 | 0.6176 | 0.2556 | 0.8732 | | 7,380.0390 | 7,380.0390 | 0.0585 | | 7,381.2664 |
| Worker | 3.1409 | 5.0708 | 41.8478 | 0.1492 | 13.7714 | 0.0888 | 13.8602 | 3.6524 | 0.0824 | 3.7348 | | 10,189.7178 | 10,189.7178 | 0.4436 | | 10,199.0330 |
| Total | 7.5930 | 20.3076 | 100.1205 | 0.2284 | 15.9346 | 0.3666 | 16.3012 | 4.2700 | 0.3380 | 4.6080 | | 17,569.7568 | 17,569.7568 | 0.5020 | | 17,580.2994 |

3.13 Phase II – Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0128 | 9.9983 | 14.2850 | 0.0223 | | 0.5010 | 0.5010 | | 0.4609 | 0.4609 | | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |
| Paving | 3.8252 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 4.8380 | 9.9983 | 14.2850 | 0.0223 | | 0.5010 | 0.5010 | | 0.4609 | 0.4609 | | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0338 | 0.0546 | 0.4506 | 1.6100e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 109.7242 | 109.7242 | 4.7800e-003 | | 109.8245 |
| Total | 0.0338 | 0.0546 | 0.4506 | 1.6100e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 109.7242 | 109.7242 | 4.7800e-003 | | 109.8245 |

3.13 Phase II – Paving - 2023

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 | 0.9122 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |
| Paving | 3.8252 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 4.7374 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,160.6139 | 2,160.6139 | 0.6988 | | 2,175.2884 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0338 | 0.0546 | 0.4506 | 1.6100e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 109.7242 | 109.7242 | 4.7800e-003 | | 109.8245 |
| Total | 0.0338 | 0.0546 | 0.4506 | 1.6100e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 109.7242 | 109.7242 | 4.7800e-003 | | 109.8245 |

3.14 Phase II – Architectural Coating - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|-----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 744.5508 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |
| Total | 744.7424 | 1.3030 | 1.8111 | 2.9700e-003 | | 0.0708 | 0.0708 | | 0.0708 | 0.0708 | | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |

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 | 0.6291 | 1.0156 | 8.3816 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,040.8695 | 2,040.8695 | 0.0888 | | 2,042.7353 |
| Total | 0.6291 | 1.0156 | 8.3816 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,040.8695 | 2,040.8695 | 0.0888 | | 2,042.7353 |

3.14 Phase II – Architectural Coating - 2023

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 | 744.5508 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1139 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |
| Total | 744.6647 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8017 |

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 | 0.6291 | 1.0156 | 8.3816 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,040.8695 | 2,040.8695 | 0.0888 | | 2,042.7353 |
| Total | 0.6291 | 1.0156 | 8.3816 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,040.8695 | 2,040.8695 | 0.0888 | | 2,042.7353 |

3.14 Phase II – Architectural Coating - 2024

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 | 744.5508 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1808 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.7809 |
| Total | 744.7315 | 1.2188 | 1.8101 | 2.9700e-003 | | 0.0609 | 0.0609 | | 0.0609 | 0.0609 | | 281.4481 | 281.4481 | 0.0159 | | 281.7809 |

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 | 0.5940 | 0.9533 | 7.8679 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,013.3374 | 2,013.3374 | 0.0852 | | 2,015.1274 |
| Total | 0.5940 | 0.9533 | 7.8679 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,013.3374 | 2,013.3374 | 0.0852 | | 2,015.1274 |

3.14 Phase II – Architectural Coating - 2024

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 | 744.5508 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1139 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.7809 |
| Total | 744.6647 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0159 | | 281.7809 |

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 | 0.5940 | 0.9533 | 7.8679 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,013.3374 | 2,013.3374 | 0.0852 | | 2,015.1274 |
| Total | 0.5940 | 0.9533 | 7.8679 | 0.0299 | 2.7582 | 0.0178 | 2.7760 | 0.7315 | 0.0165 | 0.7480 | | 2,013.3374 | 2,013.3374 | 0.0852 | | 2,015.1274 |

3.15 Phase III – Site Preparation - 2024

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.8238 | 27.5450 | 27.6020 | 0.0392 | | 1.2498 | 1.2498 | | 1.1498 | 1.1498 | | 3,794.3149 | 3,794.3149 | 1.2272 | | 3,820.0852 |
| Total | 2.8238 | 27.5450 | 27.6020 | 0.0392 | 18.0663 | 1.2498 | 19.3161 | 9.9307 | 1.1498 | 11.0805 | | 3,794.3149 | 3,794.3149 | 1.2272 | | 3,820.0852 |

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 | 0.0383 | 0.0615 | 0.5076 | 1.9300e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 129.8927 | 129.8927 | 5.5000e-003 | | 130.0082 |
| Total | 0.0383 | 0.0615 | 0.5076 | 1.9300e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 129.8927 | 129.8927 | 5.5000e-003 | | 130.0082 |

3.15 Phase III – Site Preparation - 2024

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 | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2300 | 34.4240 | 23.4003 | 0.0392 | | 0.9611 | 0.9611 | | 0.9611 | 0.9611 | 0.0000 | 3,794.3149 | 3,794.3149 | 1.2272 | | 3,820.0852 |
| Total | 1.2300 | 34.4240 | 23.4003 | 0.0392 | 8.1298 | 0.9611 | 9.0909 | 4.4688 | 0.9611 | 5.4299 | 0.0000 | 3,794.3149 | 3,794.3149 | 1.2272 | | 3,820.0852 |

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 | 0.0383 | 0.0615 | 0.5076 | 1.9300e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 129.8927 | 129.8927 | 5.5000e-003 | | 130.0082 |
| Total | 0.0383 | 0.0615 | 0.5076 | 1.9300e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0600e-003 | 0.0483 | | 129.8927 | 129.8927 | 5.5000e-003 | | 130.0082 |

3.16 Phase III – Grading - 2024

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 | | | | | 8.6733 | 0.0000 | 8.6733 | 3.5965 | 0.0000 | 3.5965 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.3599 | 32.1927 | 33.4441 | 0.0618 | | 1.4234 | 1.4234 | | 1.3096 | 1.3096 | | 5,984.025 2 | 5,984.025 2 | 1.9354 | | 6,024.667 7 |
| Total | 3.3599 | 32.1927 | 33.4441 | 0.0618 | 8.6733 | 1.4234 | 10.0968 | 3.5965 | 1.3096 | 4.9061 | | 5,984.025 2 | 5,984.025 2 | 1.9354 | | 6,024.667 7 |

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 | 0.0426 | 0.0683 | 0.5640 | 2.1400e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 144.3253 | 144.3253 | 6.1100e-003 | | 144.4536 |
| Total | 0.0426 | 0.0683 | 0.5640 | 2.1400e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 144.3253 | 144.3253 | 6.1100e-003 | | 144.4536 |

3.16 Phase III – Grading - 2024

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 | | | | | 3.9030 | 0.0000 | 3.9030 | 1.6184 | 0.0000 | 1.6184 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8922 | 50.9465 | 37.9432 | 0.0618 | | 1.3783 | 1.3783 | | 1.3783 | 1.3783 | 0.0000 | 5,984.025 2 | 5,984.025 2 | 1.9354 | | 6,024.667 7 |
| Total | 1.8922 | 50.9465 | 37.9432 | 0.0618 | 3.9030 | 1.3783 | 5.2813 | 1.6184 | 1.3783 | 2.9967 | 0.0000 | 5,984.025 2 | 5,984.025 2 | 1.9354 | | 6,024.667 7 |

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 | 0.0426 | 0.0683 | 0.5640 | 2.1400e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 144.3253 | 144.3253 | 6.1100e-003 | | 144.4536 |
| Total | 0.0426 | 0.0683 | 0.5640 | 2.1400e-003 | 0.1977 | 1.2700e-003 | 0.1990 | 0.0524 | 1.1800e-003 | 0.0536 | | 144.3253 | 144.3253 | 6.1100e-003 | | 144.4536 |

3.17 Phase III – Building Construction - 2024

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 | 1.4653 | 13.3774 | 16.1332 | 0.0268 | | 0.6106 | 0.6106 | | 0.5744 | 0.5744 | | 2,545.1154 | 2,545.1154 | 0.6009 | | 2,557.7349 |
| Total | 1.4653 | 13.3774 | 16.1332 | 0.0268 | | 0.6106 | 0.6106 | | 0.5744 | 0.5744 | | 2,545.1154 | 2,545.1154 | 0.6009 | | 2,557.7349 |

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 | 4.4478 | 15.0748 | 57.1198 | 0.0792 | 2.1632 | 0.2791 | 2.4423 | 0.6176 | 0.2568 | 0.8744 | | 7,380.3589 | 7,380.3589 | 0.0587 | | 7,381.5912 |
| Worker | 2.9658 | 4.7595 | 39.2830 | 0.1491 | 13.7714 | 0.0887 | 13.8601 | 3.6524 | 0.0823 | 3.7348 | | 10,052.2546 | 10,052.2546 | 0.4256 | | 10,061.1915 |
| Total | 7.4136 | 19.8342 | 96.4028 | 0.2284 | 15.9345 | 0.3678 | 16.3024 | 4.2700 | 0.3391 | 4.6091 | | 17,432.6135 | 17,432.6135 | 0.4843 | | 17,442.7826 |

3.17 Phase III – Building Construction - 2024

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0268 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.1154 | 2,545.1154 | 0.6009 | | 2,557.7349 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0268 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.1154 | 2,545.1154 | 0.6009 | | 2,557.7349 |

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 | 4.4478 | 15.0748 | 57.1198 | 0.0792 | 2.1632 | 0.2791 | 2.4423 | 0.6176 | 0.2568 | 0.8744 | | 7,380.3589 | 7,380.3589 | 0.0587 | | 7,381.5912 |
| Worker | 2.9658 | 4.7595 | 39.2830 | 0.1491 | 13.7714 | 0.0887 | 13.8601 | 3.6524 | 0.0823 | 3.7348 | | 10,052.2546 | 10,052.2546 | 0.4256 | | 10,061.1915 |
| Total | 7.4136 | 19.8342 | 96.4028 | 0.2284 | 15.9345 | 0.3678 | 16.3024 | 4.2700 | 0.3391 | 4.6091 | | 17,432.6135 | 17,432.6135 | 0.4843 | | 17,442.7826 |

3.17 Phase III – Building Construction - 2025

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 | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 4.3343 | 14.9316 | 56.2838 | 0.0792 | 2.1632 | 0.2801 | 2.4434 | 0.6176 | 0.2577 | 0.8754 | | 7,380.8585 | 7,380.8585 | 0.0589 | | 7,382.0948 |
| Worker | 2.8243 | 4.5019 | 37.2437 | 0.1491 | 13.7714 | 0.0891 | 13.8605 | 3.6524 | 0.0827 | 3.7351 | | 9,931.1503 | 9,931.1503 | 0.4107 | | 9,939.7748 |
| Total | 7.1587 | 19.4335 | 93.5275 | 0.2283 | 15.9346 | 0.3692 | 16.3039 | 4.2701 | 0.3404 | 4.6104 | | 17,312.0088 | 17,312.0088 | 0.4696 | | 17,321.8696 |

3.17 Phase III – Building Construction - 2025

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 4.3343 | 14.9316 | 56.2838 | 0.0792 | 2.1632 | 0.2801 | 2.4434 | 0.6176 | 0.2577 | 0.8754 | | 7,380.8585 | 7,380.8585 | 0.0589 | | 7,382.0948 |
| Worker | 2.8243 | 4.5019 | 37.2437 | 0.1491 | 13.7714 | 0.0891 | 13.8605 | 3.6524 | 0.0827 | 3.7351 | | 9,931.1503 | 9,931.1503 | 0.4107 | | 9,939.7748 |
| Total | 7.1587 | 19.4335 | 93.5275 | 0.2283 | 15.9346 | 0.3692 | 16.3039 | 4.2701 | 0.3404 | 4.6104 | | 17,312.0088 | 17,312.0088 | 0.4696 | | 17,321.8696 |

3.18 Phase III – Architectural Coating - 2025

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 | 744.5508 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |
| Total | 744.7216 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |

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 | 0.5657 | 0.9017 | 7.4594 | 0.0299 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 1,989.0818 | 1,989.0818 | 0.0823 | | 1,990.8092 |
| Total | 0.5657 | 0.9017 | 7.4594 | 0.0299 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 1,989.0818 | 1,989.0818 | 0.0823 | | 1,990.8092 |

3.18 Phase III – Architectural Coating - 2025

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 | 744.5508 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1139 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |
| Total | 744.6647 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |

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 | 0.5657 | 0.9017 | 7.4594 | 0.0299 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 1,989.0818 | 1,989.0818 | 0.0823 | | 1,990.8092 |
| Total | 0.5657 | 0.9017 | 7.4594 | 0.0299 | 2.7582 | 0.0178 | 2.7761 | 0.7315 | 0.0166 | 0.7481 | | 1,989.0818 | 1,989.0818 | 0.0823 | | 1,990.8092 |

3.19 Phase III – Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8973 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 2.8689 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 3.7662 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0304 | 0.0485 | 0.4010 | 1.6100e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 106.9399 | 106.9399 | 4.4200e-003 | | 107.0328 |
| Total | 0.0304 | 0.0485 | 0.4010 | 1.6100e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 106.9399 | 106.9399 | 4.4200e-003 | | 107.0328 |

3.19 Phase III – Paving - 2025

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 | 0.9122 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 2.8689 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 3.7811 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0304 | 0.0485 | 0.4010 | 1.6100e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 106.9399 | 106.9399 | 4.4200e-003 | | 107.0328 |
| Total | 0.0304 | 0.0485 | 0.4010 | 1.6100e-003 | 0.1483 | 9.6000e-004 | 0.1493 | 0.0393 | 8.9000e-004 | 0.0402 | | 106.9399 | 106.9399 | 4.4200e-003 | | 107.0328 |

3.20 Phases IV & V – Site Preparation - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|------------------------|------------------------|---------------|-----|------------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.5083 | 23.5257 | 24.8879 | 0.0392 | | 1.0293 | 1.0293 | | 0.9470 | 0.9470 | | 3,793.840 3 | 3,793.840 3 | 1.2270 | | 3,819.607 4 |
| Total | 2.5083 | 23.5257 | 24.8879 | 0.0392 | 18.0663 | 1.0293 | 19.0956 | 9.9307 | 0.9470 | 10.8776 | | 3,793.840 3 | 3,793.840 3 | 1.2270 | | 3,819.607 4 |

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 | 0.0365 | 0.0582 | 0.4813 | 1.9300e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0700e-003 | 0.0483 | | 128.3279 | 128.3279 | 5.3100e-003 | | 128.4393 |
| Total | 0.0365 | 0.0582 | 0.4813 | 1.9300e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0700e-003 | 0.0483 | | 128.3279 | 128.3279 | 5.3100e-003 | | 128.4393 |

3.20 Phases IV & V – Site Preparation - 2025

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 | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2300 | 34.4240 | 23.4003 | 0.0392 | | 0.9611 | 0.9611 | | 0.9611 | 0.9611 | 0.0000 | 3,793.8403 | 3,793.8403 | 1.2270 | | 3,819.6074 |
| Total | 1.2300 | 34.4240 | 23.4003 | 0.0392 | 8.1298 | 0.9611 | 9.0909 | 4.4688 | 0.9611 | 5.4299 | 0.0000 | 3,793.8403 | 3,793.8403 | 1.2270 | | 3,819.6074 |

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 | 0.0365 | 0.0582 | 0.4813 | 1.9300e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0700e-003 | 0.0483 | | 128.3279 | 128.3279 | 5.3100e-003 | | 128.4393 |
| Total | 0.0365 | 0.0582 | 0.4813 | 1.9300e-003 | 0.1780 | 1.1500e-003 | 0.1791 | 0.0472 | 1.0700e-003 | 0.0483 | | 128.3279 | 128.3279 | 5.3100e-003 | | 128.4393 |

3.21 Phases IV & V – Grading - 2025

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 | | | | | 8.6733 | 0.0000 | 8.6733 | 3.5965 | 0.0000 | 3.5965 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.0022 | 27.2606 | 31.3515 | 0.0618 | | 1.1867 | 1.1867 | | 1.0918 | 1.0918 | | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |
| Total | 3.0022 | 27.2606 | 31.3515 | 0.0618 | 8.6733 | 1.1867 | 9.8600 | 3.5965 | 1.0918 | 4.6883 | | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |

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 | 0.0406 | 0.0646 | 0.5347 | 2.1400e-003 | 0.1977 | 1.2800e-003 | 0.1990 | 0.0524 | 1.1900e-003 | 0.0536 | | 142.5865 | 142.5865 | 5.9000e-003 | | 142.7103 |
| Total | 0.0406 | 0.0646 | 0.5347 | 2.1400e-003 | 0.1977 | 1.2800e-003 | 0.1990 | 0.0524 | 1.1900e-003 | 0.0536 | | 142.5865 | 142.5865 | 5.9000e-003 | | 142.7103 |

3.21 Phases IV & V – Grading - 2025

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 | | | | | 3.9030 | 0.0000 | 3.9030 | 1.6184 | 0.0000 | 1.6184 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8922 | 50.9465 | 37.9432 | 0.0618 | | 1.3783 | 1.3783 | | 1.3783 | 1.3783 | 0.0000 | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |
| Total | 1.8922 | 50.9465 | 37.9432 | 0.0618 | 3.9030 | 1.3783 | 5.2813 | 1.6184 | 1.3783 | 2.9967 | 0.0000 | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |

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 | 0.0406 | 0.0646 | 0.5347 | 2.1400e-003 | 0.1977 | 1.2800e-003 | 0.1990 | 0.0524 | 1.1900e-003 | 0.0536 | | 142.5865 | 142.5865 | 5.9000e-003 | | 142.7103 |
| Total | 0.0406 | 0.0646 | 0.5347 | 2.1400e-003 | 0.1977 | 1.2800e-003 | 0.1990 | 0.0524 | 1.1900e-003 | 0.0536 | | 142.5865 | 142.5865 | 5.9000e-003 | | 142.7103 |

3.21 Phases IV & V – Grading - 2026

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 | | | | | 8.6733 | 0.0000 | 8.6733 | 3.5965 | 0.0000 | 3.5965 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.0022 | 27.2606 | 31.3515 | 0.0618 | | 1.1867 | 1.1867 | | 1.0918 | 1.0918 | | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |
| Total | 3.0022 | 27.2606 | 31.3515 | 0.0618 | 8.6733 | 1.1867 | 9.8600 | 3.5965 | 1.0918 | 4.6883 | | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |

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 | 0.0388 | 0.0615 | 0.5100 | 2.1400e-003 | 0.1977 | 1.2900e-003 | 0.1990 | 0.0524 | 1.2000e-003 | 0.0536 | | 141.0804 | 141.0804 | 5.7100e-003 | | 141.2003 |
| Total | 0.0388 | 0.0615 | 0.5100 | 2.1400e-003 | 0.1977 | 1.2900e-003 | 0.1990 | 0.0524 | 1.2000e-003 | 0.0536 | | 141.0804 | 141.0804 | 5.7100e-003 | | 141.2003 |

3.21 Phases IV & V – Grading - 2026

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 | | | | | 3.9030 | 0.0000 | 3.9030 | 1.6184 | 0.0000 | 1.6184 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8922 | 50.9465 | 37.9432 | 0.0618 | | 1.3783 | 1.3783 | | 1.3783 | 1.3783 | 0.0000 | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |
| Total | 1.8922 | 50.9465 | 37.9432 | 0.0618 | 3.9030 | 1.3783 | 5.2813 | 1.6184 | 1.3783 | 2.9967 | 0.0000 | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |

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 | 0.0388 | 0.0615 | 0.5100 | 2.1400e-003 | 0.1977 | 1.2900e-003 | 0.1990 | 0.0524 | 1.2000e-003 | 0.0536 | | 141.0804 | 141.0804 | 5.7100e-003 | | 141.2003 |
| Total | 0.0388 | 0.0615 | 0.5100 | 2.1400e-003 | 0.1977 | 1.2900e-003 | 0.1990 | 0.0524 | 1.2000e-003 | 0.0536 | | 141.0804 | 141.0804 | 5.7100e-003 | | 141.2003 |

3.22 Phases IV & V – Building Construction - 2026

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 | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 4.3708 | 14.7439 | 55.2786 | 0.0792 | 2.1634 | 0.2785 | 2.4419 | 0.6177 | 0.2563 | 0.8739 | | 7,381.7699 | 7,381.7699 | 0.0587 | | 7,383.0026 |
| Worker | 2.7001 | 4.2840 | 35.5218 | 0.1491 | 13.7714 | 0.0898 | 13.8612 | 3.6524 | 0.0834 | 3.7358 | | 9,826.2473 | 9,826.2473 | 0.3979 | | 9,834.6035 |
| Total | 7.0709 | 19.0278 | 90.8003 | 0.2283 | 15.9348 | 0.3684 | 16.3031 | 4.2701 | 0.3396 | 4.6097 | | 17,208.0172 | 17,208.0172 | 0.4566 | | 17,217.6060 |

3.22 Phases IV & V – Building Construction - 2026

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 4.3708 | 14.7439 | 55.2786 | 0.0792 | 2.1634 | 0.2785 | 2.4419 | 0.6177 | 0.2563 | 0.8739 | | 7,381.7699 | 7,381.7699 | 0.0587 | | 7,383.0026 |
| Worker | 2.7001 | 4.2840 | 35.5218 | 0.1491 | 13.7714 | 0.0898 | 13.8612 | 3.6524 | 0.0834 | 3.7358 | | 9,826.2473 | 9,826.2473 | 0.3979 | | 9,834.6035 |
| Total | 7.0709 | 19.0278 | 90.8003 | 0.2283 | 15.9348 | 0.3684 | 16.3031 | 4.2701 | 0.3396 | 4.6097 | | 17,208.0172 | 17,208.0172 | 0.4566 | | 17,217.6060 |

3.22 Phases IV & V – Building Construction - 2027

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 | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 4.0589 | 14.5768 | 51.6618 | 0.0792 | 2.1636 | 0.2789 | 2.4425 | 0.6178 | 0.2566 | 0.8743 | | 7,382.3855 | 7,382.3855 | 0.0588 | | 7,383.6203 |
| Worker | 2.5865 | 4.0874 | 33.9826 | 0.1491 | 13.7714 | 0.0904 | 13.8618 | 3.6524 | 0.0839 | 3.7364 | | 9,734.9224 | 9,734.9224 | 0.3865 | | 9,743.0393 |
| Total | 6.6454 | 18.6642 | 85.6444 | 0.2282 | 15.9350 | 0.3693 | 16.3043 | 4.2702 | 0.3405 | 4.6107 | | 17,117.3079 | 17,117.3079 | 0.4453 | | 17,126.6596 |

3.22 Phases IV & V – Building Construction - 2027

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 4.0589 | 14.5768 | 51.6618 | 0.0792 | 2.1636 | 0.2789 | 2.4425 | 0.6178 | 0.2566 | 0.8743 | | 7,382.3855 | 7,382.3855 | 0.0588 | | 7,383.6203 |
| Worker | 2.5865 | 4.0874 | 33.9826 | 0.1491 | 13.7714 | 0.0904 | 13.8618 | 3.6524 | 0.0839 | 3.7364 | | 9,734.9224 | 9,734.9224 | 0.3865 | | 9,743.0393 |
| Total | 6.6454 | 18.6642 | 85.6444 | 0.2282 | 15.9350 | 0.3693 | 16.3043 | 4.2702 | 0.3405 | 4.6107 | | 17,117.3079 | 17,117.3079 | 0.4453 | | 17,126.6596 |

3.22 Phases IV & V – Building Construction - 2028

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 | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.9301 | 14.4292 | 48.1410 | 0.0791 | 2.1638 | 0.2786 | 2.4424 | 0.6178 | 0.2563 | 0.8742 | | 7,383.0815 | 7,383.0815 | 0.0588 | | 7,384.3168 |
| Worker | 2.4836 | 3.9081 | 32.6253 | 0.1490 | 13.7714 | 0.0910 | 13.8624 | 3.6524 | 0.0844 | 3.7369 | | 9,656.2005 | 9,656.2005 | 0.3763 | | 9,664.1018 |
| Total | 6.4138 | 18.3373 | 80.7663 | 0.2281 | 15.9352 | 0.3696 | 16.3048 | 4.2703 | 0.3408 | 4.6111 | | 17,039.2820 | 17,039.2820 | 0.4351 | | 17,048.4186 |

3.22 Phases IV & V – Building Construction - 2028

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.9301 | 14.4292 | 48.1410 | 0.0791 | 2.1638 | 0.2786 | 2.4424 | 0.6178 | 0.2563 | 0.8742 | | 7,383.0815 | 7,383.0815 | 0.0588 | | 7,384.3168 |
| Worker | 2.4836 | 3.9081 | 32.6253 | 0.1490 | 13.7714 | 0.0910 | 13.8624 | 3.6524 | 0.0844 | 3.7369 | | 9,656.2005 | 9,656.2005 | 0.3763 | | 9,664.1018 |
| Total | 6.4138 | 18.3373 | 80.7663 | 0.2281 | 15.9352 | 0.3696 | 16.3048 | 4.2703 | 0.3408 | 4.6111 | | 17,039.2820 | 17,039.2820 | 0.4351 | | 17,048.4186 |

3.23 Phases IV & V – Architectural Coating - 2028

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 | 425.4576 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |
| Total | 425.6284 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |

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 | 0.4974 | 0.7828 | 6.5344 | 0.0299 | 2.7582 | 0.0182 | 2.7765 | 0.7315 | 0.0169 | 0.7485 | | 1,934.0129 | 1,934.0129 | 0.0754 | | 1,935.5954 |
| Total | 0.4974 | 0.7828 | 6.5344 | 0.0299 | 2.7582 | 0.0182 | 2.7765 | 0.7315 | 0.0169 | 0.7485 | | 1,934.0129 | 1,934.0129 | 0.0754 | | 1,935.5954 |

3.23 Phases IV & V – Architectural Coating - 2028

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 | 425.4576 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1139 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |
| Total | 425.5715 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |

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 | 0.4974 | 0.7828 | 6.5344 | 0.0299 | 2.7582 | 0.0182 | 2.7765 | 0.7315 | 0.0169 | 0.7485 | | 1,934.0129 | 1,934.0129 | 0.0754 | | 1,935.5954 |
| Total | 0.4974 | 0.7828 | 6.5344 | 0.0299 | 2.7582 | 0.0182 | 2.7765 | 0.7315 | 0.0169 | 0.7485 | | 1,934.0129 | 1,934.0129 | 0.0754 | | 1,935.5954 |

3.24 Phases IV & V – Paving - 2028

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8973 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 1.9126 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 2.8099 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0267 | 0.0421 | 0.3513 | 1.6000e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 103.9792 | 103.9792 | 4.0500e-003 | | 104.0643 |
| Total | 0.0267 | 0.0421 | 0.3513 | 1.6000e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 103.9792 | 103.9792 | 4.0500e-003 | | 104.0643 |

3.24 Phases IV & V – Paving - 2028

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 | 0.9122 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 1.9126 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 2.8248 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0267 | 0.0421 | 0.3513 | 1.6000e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 103.9792 | 103.9792 | 4.0500e-003 | | 104.0643 |
| Total | 0.0267 | 0.0421 | 0.3513 | 1.6000e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 103.9792 | 103.9792 | 4.0500e-003 | | 104.0643 |

3.24 Phases IV & V – Paving - 2029

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8973 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 1.9126 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 2.8099 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0256 | 0.0402 | 0.3371 | 1.6000e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 103.2468 | 103.2468 | 3.9400e-003 | | 103.3296 |
| Total | 0.0256 | 0.0402 | 0.3371 | 1.6000e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 103.2468 | 103.2468 | 3.9400e-003 | | 103.3296 |

3.24 Phases IV & V – Paving - 2029

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 | 0.9122 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 1.9126 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 2.8248 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0256 | 0.0402 | 0.3371 | 1.6000e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 103.2468 | 103.2468 | 3.9400e-003 | | 103.3296 |
| Total | 0.0256 | 0.0402 | 0.3371 | 1.6000e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 103.2468 | 103.2468 | 3.9400e-003 | | 103.3296 |

3.25 Phase VI – Site Preparation - 2029

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.5083 | 23.5257 | 24.8879 | 0.0392 | | 1.0293 | 1.0293 | | 0.9470 | 0.9470 | | 3,793.8403 | 3,793.8403 | 1.2270 | | 3,819.6074 |
| Total | 2.5083 | 23.5257 | 24.8879 | 0.0392 | 18.0663 | 1.0293 | 19.0956 | 9.9307 | 0.9470 | 10.8776 | | 3,793.8403 | 3,793.8403 | 1.2270 | | 3,819.6074 |

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 | 0.0308 | 0.0483 | 0.4045 | 1.9300e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 123.8962 | 123.8962 | 4.7300e-003 | | 123.9956 |
| Total | 0.0308 | 0.0483 | 0.4045 | 1.9300e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 123.8962 | 123.8962 | 4.7300e-003 | | 123.9956 |

3.25 Phase VI – Site Preparation - 2029

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 | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.2300 | 34.4240 | 23.4003 | 0.0392 | | 0.9611 | 0.9611 | | 0.9611 | 0.9611 | 0.0000 | 3,793.840 3 | 3,793.840 3 | 1.2270 | | 3,819.607 4 |
| Total | 1.2300 | 34.4240 | 23.4003 | 0.0392 | 8.1298 | 0.9611 | 9.0909 | 4.4688 | 0.9611 | 5.4299 | 0.0000 | 3,793.840 3 | 3,793.840 3 | 1.2270 | | 3,819.607 4 |

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 | 0.0308 | 0.0483 | 0.4045 | 1.9300e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 123.8962 | 123.8962 | 4.7300e-003 | | 123.9956 |
| Total | 0.0308 | 0.0483 | 0.4045 | 1.9300e-003 | 0.1780 | 1.1800e-003 | 0.1791 | 0.0472 | 1.1000e-003 | 0.0483 | | 123.8962 | 123.8962 | 4.7300e-003 | | 123.9956 |

3.26 Phase VI – Grading - 2029

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 | | | | | 8.6733 | 0.0000 | 8.6733 | 3.5965 | 0.0000 | 3.5965 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.0022 | 27.2606 | 31.3515 | 0.0618 | | 1.1867 | 1.1867 | | 1.0918 | 1.0918 | | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |
| Total | 3.0022 | 27.2606 | 31.3515 | 0.0618 | 8.6733 | 1.1867 | 9.8600 | 3.5965 | 1.0918 | 4.6883 | | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |

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 | 0.0342 | 0.0536 | 0.4494 | 2.1400e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 137.6624 | 137.6624 | 5.2600e-003 | | 137.7729 |
| Total | 0.0342 | 0.0536 | 0.4494 | 2.1400e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 137.6624 | 137.6624 | 5.2600e-003 | | 137.7729 |

3.26 Phase VI – Grading - 2029

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 | | | | | 3.9030 | 0.0000 | 3.9030 | 1.6184 | 0.0000 | 1.6184 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.8922 | 50.9465 | 37.9432 | 0.0618 | | 1.3783 | 1.3783 | | 1.3783 | 1.3783 | 0.0000 | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |
| Total | 1.8922 | 50.9465 | 37.9432 | 0.0618 | 3.9030 | 1.3783 | 5.2813 | 1.6184 | 1.3783 | 2.9967 | 0.0000 | 5,982.3526 | 5,982.3526 | 1.9348 | | 6,022.9837 |

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 | 0.0342 | 0.0536 | 0.4494 | 2.1400e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 137.6624 | 137.6624 | 5.2600e-003 | | 137.7729 |
| Total | 0.0342 | 0.0536 | 0.4494 | 2.1400e-003 | 0.1977 | 1.3100e-003 | 0.1990 | 0.0524 | 1.2200e-003 | 0.0537 | | 137.6624 | 137.6624 | 5.2600e-003 | | 137.7729 |

3.27 Phase VI – Building Construction - 2029

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 | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.3615 | 12.4097 | 16.0518 | 0.0269 | | 0.5250 | 0.5250 | | 0.4939 | 0.4939 | | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.8923 | 14.3794 | 47.9703 | 0.0791 | 2.1640 | 0.2787 | 2.4427 | 0.6179 | 0.2564 | 0.8743 | | 7,384.2024 | 7,384.2024 | 0.0589 | | 7,385.4388 |
| Worker | 2.3813 | 3.7354 | 31.3016 | 0.1490 | 13.7714 | 0.0914 | 13.8628 | 3.6524 | 0.0848 | 3.7373 | | 9,588.1882 | 9,588.1882 | 0.3662 | | 9,595.8790 |
| Total | 6.2735 | 18.1148 | 79.2719 | 0.2281 | 15.9353 | 0.3701 | 16.3054 | 4.2704 | 0.3412 | 4.6116 | | 16,972.3906 | 16,972.3906 | 0.4251 | | 16,981.3178 |

3.27 Phase VI – Building Construction - 2029

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |
| Total | 1.0782 | 23.4615 | 17.8156 | 0.0269 | | 0.9016 | 0.9016 | | 0.9016 | 0.9016 | 0.0000 | 2,545.8905 | 2,545.8905 | 0.5975 | | 2,558.4386 |

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 | 3.8923 | 14.3794 | 47.9703 | 0.0791 | 2.1640 | 0.2787 | 2.4427 | 0.6179 | 0.2564 | 0.8743 | | 7,384.2024 | 7,384.2024 | 0.0589 | | 7,385.4388 |
| Worker | 2.3813 | 3.7354 | 31.3016 | 0.1490 | 13.7714 | 0.0914 | 13.8628 | 3.6524 | 0.0848 | 3.7373 | | 9,588.1882 | 9,588.1882 | 0.3662 | | 9,595.8790 |
| Total | 6.2735 | 18.1148 | 79.2719 | 0.2281 | 15.9353 | 0.3701 | 16.3054 | 4.2704 | 0.3412 | 4.6116 | | 16,972.3906 | 16,972.3906 | 0.4251 | | 16,981.3178 |

3.28 Phase VI – Architectural Coating - 2029

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 | 827.2786 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1709 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |
| Total | 827.4495 | 1.1455 | 1.8091 | 2.9700e-003 | | 0.0515 | 0.0515 | | 0.0515 | 0.0515 | | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |

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 | 0.4769 | 0.7482 | 6.2693 | 0.0299 | 2.7582 | 0.0183 | 2.7765 | 0.7315 | 0.0170 | 0.7485 | | 1,920.3909 | 1,920.3909 | 0.0734 | | 1,921.9313 |
| Total | 0.4769 | 0.7482 | 6.2693 | 0.0299 | 2.7582 | 0.0183 | 2.7765 | 0.7315 | 0.0170 | 0.7485 | | 1,920.3909 | 1,920.3909 | 0.0734 | | 1,921.9313 |

3.28 Phase VI – Architectural Coating - 2029

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 | 827.2786 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1139 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |
| Total | 827.3925 | 2.3524 | 1.8324 | 2.9700e-003 | | 0.0951 | 0.0951 | | 0.0951 | 0.0951 | 0.0000 | 281.4481 | 281.4481 | 0.0154 | | 281.7705 |

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 | 0.4769 | 0.7482 | 6.2693 | 0.0299 | 2.7582 | 0.0183 | 2.7765 | 0.7315 | 0.0170 | 0.7485 | | 1,920.3909 | 1,920.3909 | 0.0734 | | 1,921.9313 |
| Total | 0.4769 | 0.7482 | 6.2693 | 0.0299 | 2.7582 | 0.0183 | 2.7765 | 0.7315 | 0.0170 | 0.7485 | | 1,920.3909 | 1,920.3909 | 0.0734 | | 1,921.9313 |

3.29 Phase VI – Paving - 2029

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.8973 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 11.4756 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 12.3729 | 8.4215 | 14.2781 | 0.0223 | | 0.4109 | 0.4109 | | 0.3781 | 0.3781 | | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0256 | 0.0402 | 0.3371 | 1.6000e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 103.2468 | 103.2468 | 3.9400e-003 | | 103.3296 |
| Total | 0.0256 | 0.0402 | 0.3371 | 1.6000e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 103.2468 | 103.2468 | 3.9400e-003 | | 103.3296 |

3.29 Phase VI – Paving - 2029

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 | 0.9122 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |
| Paving | 11.4756 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 12.3878 | 19.6998 | 16.9276 | 0.0223 | | 0.6542 | 0.6542 | | 0.6542 | 0.6542 | 0.0000 | 2,159.7967 | 2,159.7967 | 0.6985 | | 2,174.4656 |

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 | 0.0256 | 0.0402 | 0.3371 | 1.6000e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 103.2468 | 103.2468 | 3.9400e-003 | | 103.3296 |
| Total | 0.0256 | 0.0402 | 0.3371 | 1.6000e-003 | 0.1483 | 9.8000e-004 | 0.1493 | 0.0393 | 9.1000e-004 | 0.0402 | | 103.2468 | 103.2468 | 3.9400e-003 | | 103.3296 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

- Increase Density
- Improve Walkability Design
- Increase Transit Accessibility
- Improve Pedestrian Network
- Expand Transit Network

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 16.5372 | 27.8803 | 137.0716 | 0.4242 | 30.4535 | 0.5377 | 30.9912 | 8.1436 | 0.4963 | 8.6398 | | 30,933.00 40 | 30,933.00 40 | 0.8756 | | 30,951.39 11 |
| Unmitigated | 17.4010 | 32.0823 | 152.7690 | 0.5073 | 36.6866 | 0.6320 | 37.3186 | 9.8103 | 0.5833 | 10.3937 | | 37,006.04 91 | 37,006.04 91 | 1.0332 | | 37,027.74 62 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|--------------------------|-------------------------|-----------------|-----------------|-------------------|-------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Apartments Mid Rise | 823.75 | 895.00 | 758.75 | 2,095,877 | 1,739,787 |
| City Park | 25.44 | 25.44 | 25.44 | 51,701 | 42,917 |
| Condo/Townhouse | 1,219.15 | 1,324.60 | 1,122.95 | 3,101,898 | 2,574,885 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Regional Shopping Center | 644.10 | 749.55 | 378.60 | 897,003 | 744,602 |
| Single Family Housing | 1,004.85 | 1,058.40 | 920.85 | 2,542,828 | 2,110,801 |
| Single Family Housing | 2,918.85 | 3,074.40 | 2,674.85 | 7,386,310 | 6,131,374 |
| Total | 6,636.14 | 7,127.39 | 5,881.44 | 16,075,617 | 13,344,365 |

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 |
| Apartments Mid Rise | 13.00 | 5.00 | 5.00 | 35.80 | 21.00 | 43.20 | 86 | 11 | 3 |
| City Park | 13.00 | 5.00 | 5.00 | 33.00 | 48.00 | 19.00 | 66 | 28 | 6 |
| Condo/Townhouse | 13.00 | 5.00 | 5.00 | 35.80 | 21.00 | 43.20 | 86 | 11 | 3 |
| Other Asphalt Surfaces | 13.00 | 5.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 13.00 | 5.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Regional Shopping Center | 13.00 | 5.00 | 5.00 | 16.30 | 64.70 | 19.00 | 54 | 35 | 11 |
| Single Family Housing | 13.00 | 5.00 | 5.00 | 35.80 | 21.00 | 43.20 | 86 | 11 | 3 |
| Single Family Housing | 13.00 | 5.00 | 5.00 | 35.80 | 21.00 | 43.20 | 86 | 11 | 3 |

4.4 Fleet Mix

| LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.457871 | 0.042296 | 0.214250 | 0.146969 | 0.067525 | 0.009931 | 0.017760 | 0.024978 | 0.002423 | 0.001427 | 0.009102 | 0.000742 | 0.004726 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable 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 | 0.4472 | 3.8217 | 1.6294 | 0.0244 | | 0.3090 | 0.3090 | | 0.3090 | 0.3090 | | 4,878.2274 | 4,878.2274 | 0.0935 | 0.0894 | 4,907.9155 |
| NaturalGas Unmitigated | 0.5650 | 4.8286 | 2.0589 | 0.0308 | | 0.3904 | 0.3904 | | 0.3904 | 0.3904 | | 6,163.4549 | 6,163.4549 | 0.1181 | 0.1130 | 6,200.9647 |

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 | | | | | |
| Apartments Mid Rise | 2783.43 | 0.0300 | 0.2565 | 0.1092 | 1.6400e-003 | | 0.0207 | 0.0207 | | 0.0207 | 0.0207 | | 327.4625 | 327.4625 | 6.2800e-003 | 6.0000e-003 | 329.4554 |
| City Park | 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 |
| Condo/Townhouse | 9870.69 | 0.1065 | 0.9097 | 0.3871 | 5.8100e-003 | | 0.0736 | 0.0736 | | 0.0736 | 0.0736 | | 1,161.2580 | 1,161.2580 | 0.0223 | 0.0213 | 1,168.3252 |
| 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 |
| 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 |
| Regional Shopping Center | 102.329 | 1.1000e-003 | 0.0100 | 8.4300e-003 | 6.0000e-005 | | 7.6000e-004 | 7.6000e-004 | | 7.6000e-004 | 7.6000e-004 | | 12.0387 | 12.0387 | 2.3000e-004 | 2.2000e-004 | 12.1119 |
| Single Family Housing | 10149.9 | 0.1095 | 0.9354 | 0.3980 | 5.9700e-003 | | 0.0756 | 0.0756 | | 0.0756 | 0.0756 | | 1,194.1050 | 1,194.1050 | 0.0229 | 0.0219 | 1,201.3721 |
| Single Family Housing | 29483 | 0.3180 | 2.7171 | 1.1562 | 0.0173 | | 0.2197 | 0.2197 | | 0.2197 | 0.2197 | | 3,468.5908 | 3,468.5908 | 0.0665 | 0.0636 | 3,489.7000 |
| Total | | 0.5650 | 4.8286 | 2.0589 | 0.0308 | | 0.3904 | 0.3904 | | 0.3904 | 0.3904 | | 6,163.4549 | 6,163.4549 | 0.1181 | 0.1130 | 6,200.9647 |

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 | | | | | | |
| City Park | 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 |
| Condo/Townhouse | 7.77695 | 0.0839 | 0.7167 | 0.3050 | 4.5700e-003 | | 0.0580 | 0.0580 | | 0.0580 | 0.0580 | | 914.9350 | 914.9350 | 0.0175 | 0.0168 | 920.5032 | |
| 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 |
| 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 |
| Regional Shopping Center | 0.0767466 | 8.3000e-004 | 7.5200e-003 | 6.3200e-003 | 5.0000e-005 | | 5.7000e-004 | 5.7000e-004 | | 5.7000e-004 | 5.7000e-004 | | 9.0290 | 9.0290 | 1.7000e-004 | 1.7000e-004 | 9.0840 | |
| Single Family Housing | 23.34 | 0.2517 | 2.1509 | 0.9153 | 0.0137 | | 0.1739 | 0.1739 | | 0.1739 | 0.1739 | | 2,745.8784 | 2,745.8784 | 0.0526 | 0.0503 | 2,762.5893 | |
| Single Family Housing | 8.03507 | 0.0867 | 0.7405 | 0.3151 | 4.7300e-003 | | 0.0599 | 0.0599 | | 0.0599 | 0.0599 | | 945.3024 | 945.3024 | 0.0181 | 0.0173 | 951.0554 | |
| Apartments Mid Rise | 2.2362 | 0.0241 | 0.2061 | 0.0877 | 1.3200e-003 | | 0.0167 | 0.0167 | | 0.0167 | 0.0167 | | 263.0826 | 263.0826 | 5.0400e-003 | 4.8200e-003 | 264.6837 | |
| Total | | 0.4472 | 3.8217 | 1.6294 | 0.0244 | | 0.3090 | 0.3090 | | 0.3090 | 0.3090 | | 4,878.2274 | 4,878.2274 | 0.0935 | 0.0894 | 4,907.9155 | |

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed
- Use Low VOC Cleaning Supplies

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 59.8618 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | 0.0000 | 107.3275 | 107.3275 | 0.1029 | 0.0000 | 109.4875 |
| Unmitigated | 64.2250 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | 0.0000 | 107.3275 | 107.3275 | 0.1029 | 0.0000 | 109.4875 |

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 | 4.0797 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 58.3575 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.7877 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | | 107.3275 | 107.3275 | 0.1029 | | 109.4875 |
| Total | 64.2250 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | 0.0000 | 107.3275 | 107.3275 | 0.1029 | 0.0000 | 109.4875 |

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 | 4.0797 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 53.9943 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Hearth | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.7877 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | | 107.3275 | 107.3275 | 0.1029 | | 109.4875 |
| Total | 59.8618 | 0.6845 | 59.4156 | 3.1500e-003 | | 0.3300 | 0.3300 | | 0.3300 | 0.3300 | 0.0000 | 107.3275 | 107.3275 | 0.1029 | 0.0000 | 109.4875 |

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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 Vegetation

APPENDIX H - Attachment A

Construction Fuel Consumption Calculations

| Phase | Equipment | Quantity | Hours Each Day | Total Number of Days Worked | Horse Power | Load Factor | Fuel Consumption Rate (Gallons per Hour) | Duration (Total Hours) | Total Fuel Consumption (Gallons) |
|-----------------------------|---|----------|----------------|-----------------------------|-------------|-------------|--|------------------------|----------------------------------|
| Offsite Construction | | | | | | | | | |
| Site Preparation | Excavators | 3 | 8 | 60 | 162 | 0.38 | 3.078 | 1440 | 4432.32 |
| | Concrete/Industrial Saws | 1 | 8 | 60 | 81 | 0.73 | 2.9565 | 480 | 1419.12 |
| | Rubber Tired Dozers | 2 | 8 | 60 | 255 | 0.4 | 5.1 | 960 | 4896 |
| | Tractors/Loaders/B ackhoes | 4 | 8 | 60 | 97 | 0.37 | 1.7945 | 1920 | 3445.44 |
| Grading | Tractors/Loaders/B ackhoes | 4 | 8 | 155 | 97 | 0.37 | 1.7945 | 4960 | 8900.72 |
| | Rubber Tired Dozers | 3 | 8 | 155 | 255 | 0.4 | 5.1 | 3720 | 18972 |
| | Excavators | 2 | 8 | 155 | 162 | 0.38 | 3.078 | 2480 | 7633.44 |
| | Graders | 1 | 8 | 155 | 174 | 0.41 | 3.567 | 1240 | 4423.08 |
| | Scrapers | 2 | 8 | 155 | 361 | 0.48 | 8.664 | 2480 | 21486.72 |
| Paving | Excavators | 2 | 8 | 46 | 162 | 0.38 | 3.078 | 736 | 2265.408 |
| | Rubber Tired Dozers | 1 | 8 | 46 | 255 | 0.4 | 5.1 | 368 | 1876.8 |
| | Graders | 1 | 8 | 46 | 174 | 0.41 | 3.567 | 368 | 1312.656 |
| | Tractors/Loaders/B ackhoes | 2 | 8 | 46 | 97 | 0.37 | 1.7945 | 736 | 1320.752 |
| | Scrapers | 2 | 8 | 46 | 361 | 0.48 | 8.664 | 736 | 6376.704 |
| | Pavers | 2 | 8 | 46 | 125 | 0.42 | 2.625 | 736 | 1932 |
| | Paving Equipment | 2 | 8 | 46 | 130 | 0.36 | 2.34 | 736 | 1722.24 |
| | Rollers | 2 | 8 | 46 | 80 | 0.38 | 1.52 | 736 | 1118.72 |
| Notes: | Refer to Appendix H for construction equipment quantities, horse power, load factors, and hours of use per phase Fuel consumption factor for diesel engine is assumed to be 0.05 gallons per horsepower per hour (gal/hp/hr) based on SCAQMD CEQA Handbook Table A9-3E | | | | | | | | |

| Phase | Equipment | Quantity | Hours Each Day | Total Number of Days Worked | Horse Power | Load Factor | Fuel Consumption Rate (Gallons per Hour) | Duration (Total Hours) | Total Fuel Consumption (Gallons) |
|--------------------------|---|----------|----------------|-----------------------------|-------------|-------------|--|------------------------|----------------------------------|
| Phase I | | | | | | | | | |
| Site Preparation | Cranes | 1 | 7 | 15 | 226 | 0.29 | 3.277 | 105 | 344.085 |
| | Forklifts | 3 | 8 | 15 | 89 | 0.2 | 0.89 | 360 | 320.4 |
| | Generator Sets | 1 | 8 | 15 | 84 | 0.74 | 3.108 | 120 | 372.96 |
| | Tractors/Loaders/B ackhoes | 3 | 7 | 15 | 97 | 0.37 | 1.7945 | 315 | 565.2675 |
| | Welders | 1 | 8 | 15 | 46 | 0.45 | 1.035 | 120 | 124.2 |
| | Rubber Tired Dozers | 3 | 8 | 15 | 255 | 0.4 | 5.1 | 360 | 1836 |
| Grading | Pavers | 2 | 8 | 125 | 125 | 0.42 | 2.625 | 2000 | 5250 |
| | Rollers | 2 | 8 | 125 | 80 | 0.38 | 1.52 | 2000 | 3040 |
| | Paving Equipment | 2 | 8 | 125 | 130 | 0.36 | 2.34 | 2000 | 4680 |
| | Excavators | 2 | 8 | 125 | 162 | 0.38 | 3.078 | 2000 | 6156 |
| | Graders | 1 | 8 | 125 | 174 | 0.41 | 3.567 | 1000 | 3567 |
| | Rubber Tired Dozers | 1 | 8 | 125 | 255 | 0.4 | 5.1 | 1000 | 5100 |
| | Scrapers | 2 | 8 | 125 | 361 | 0.48 | 8.664 | 2000 | 17328 |
| | Tractors/Loaders/B ackhoes | 2 | 8 | 125 | 97 | 0.37 | 1.7945 | 2000 | 3589 |
| Paving | Pavers | 2 | 8 | 15 | 125 | 0.42 | 2.625 | 240 | 630 |
| | Paving Equipment | 2 | 8 | 15 | 130 | 0.36 | 2.34 | 240 | 561.6 |
| | Rollers | 2 | 8 | 15 | 80 | 0.38 | 1.52 | 240 | 364.8 |
| Building Construction | Air Compressors | 1 | 6 | 665 | 78 | 0.48 | 1.872 | 3990 | 7469.28 |
| | Cranes | 1 | 7 | 665 | 226 | 0.29 | 3.277 | 4655 | 15254.435 |
| | Forklifts | 3 | 8 | 665 | 89 | 0.2 | 0.89 | 15960 | 14204.4 |
| | Generator Sets | 1 | 8 | 665 | 84 | 0.74 | 3.108 | 5320 | 16534.56 |
| | Tractors/Loaders/B ackhoes | 3 | 7 | 665 | 97 | 0.37 | 1.7945 | 13965 | 25060.1925 |
| | Welders | 1 | 8 | 665 | 46 | 0.45 | 1.035 | 5320 | 5506.2 |
| Architectural Coating | Air Compressors | 1 | 6 | 55 | 78 | 0.48 | 1.872 | 330 | 617.76 |
| Notes: | Refer to Appendix H for construction equipment quantities, horse power, load factors, and hours of use per phase Fuel consumption factor for diesel engine is assumed to be 0.05 gallons per horsepower per hour (gal/hp/hr) based on SCAQMD CEQA Handbook Table A9-3E | | | | | | | | |

| Phase | Equipment | Quantity | Hours Each Day | Total Number of Days Worked | Horse Power | Load Factor | Fuel Consumption Rate (Gallons per Hour) | Duration (Total Hours) | Total Fuel Consumption (Gallons) |
|---|----------------------------|----------|----------------|-----------------------------|-------------|-------------|--|------------------------|----------------------------------|
| Phase II | | | | | | | | | |
| Site Preparation | Rubber Tired Dozers | 3 | 8 | 15 | 255 | 0.4 | 5.1 | 360 | 1836 |
| | Tractors/Loaders/B ackhoes | 4 | 8 | 15 | 97 | 0.37 | 1.7945 | 480 | 861.36 |
| Grading | Excavators | 2 | 8 | 30 | 162 | 0.38 | 3.078 | 480 | 1477.44 |
| | Graders | 1 | 8 | 30 | 174 | 0.41 | 3.567 | 240 | 856.08 |
| | Rubber Tired Dozers | 1 | 8 | 30 | 255 | 0.4 | 5.1 | 240 | 1224 |
| | Scrapers | 2 | 8 | 30 | 361 | 0.48 | 8.664 | 480 | 4158.72 |
| | Tractors/Loaders/B ackhoes | 2 | 8 | 30 | 97 | 0.37 | 1.7945 | 480 | 861.36 |
| Paving | Pavers | 2 | 8 | 15 | 125 | 0.42 | 2.625 | 240 | 630 |
| | Paving Equipment | 2 | 8 | 15 | 130 | 0.36 | 2.34 | 240 | 561.6 |
| | Rollers | 2 | 8 | 15 | 80 | 0.38 | 1.52 | 240 | 364.8 |
| Building Construction | Cranes | 1 | 7 | 100 | 226 | 0.29 | 3.277 | 700 | 2293.9 |
| | Forklifts | 3 | 8 | 100 | 89 | 0.2 | 0.89 | 2400 | 2136 |
| | Generator Sets | 1 | 8 | 100 | 84 | 0.74 | 3.108 | 800 | 2486.4 |
| | Tractors/Loaders/B ackhoes | 3 | 7 | 100 | 97 | 0.37 | 1.7945 | 2100 | 3768.45 |
| | Welders | 1 | 8 | 100 | 46 | 0.45 | 1.035 | 800 | 828 |
| Architectural Coating | Air Compressors | 1 | 6 | 20 | 78 | 0.48 | 1.872 | 120 | 224.64 |
| Notes: Refer to Appendix H for construction equipment quantities, horse power, load factors, and hours of use per phase Fuel consumption factor for diesel engine is assumed to be 0.05 gallons per horsepower per hour (gal/hp/hr) based on SCAQMD CEQA Handbook Table A9-3E | | | | | | | | | |

| Phase | Equipment | Quantity | Hours Each Day | Total Number of Days Worked | Horse Power | Load Factor | Fuel Consumption Rate (Gallons per Hour) | Duration (Total Hours) | Total Fuel Consumption (Gallons) |
|--|-------------------------------|----------|----------------|-----------------------------|-------------|-------------|--|------------------------|----------------------------------|
| Phase III | | | | | | | | | |
| Site Preparation | Rubber Tired Dozers | 3 | 8 | 20 | 255 | 0.4 | 5.1 | 480 | 2448 |
| | Tractors/Loaders/B ackhoes | 4 | 8 | 20 | 97 | 0.37 | 1.7945 | 640 | 1148.48 |
| Grading | Pavers | 2 | 8 | 35 | 125 | 0.42 | 2.625 | 560 | 1470 |
| | Rollers | 2 | 8 | 35 | 80 | 0.38 | 1.52 | 560 | 851.2 |
| | Paving Equipment | 2 | 8 | 35 | 130 | 0.36 | 2.34 | 560 | 1310.4 |
| | Excavators | 2 | 8 | 35 | 162 | 0.38 | 3.078 | 560 | 1723.68 |
| | Graders | 1 | 8 | 35 | 174 | 0.41 | 3.567 | 280 | 998.76 |
| | Rubber Tired Dozers | 1 | 8 | 35 | 255 | 0.4 | 5.1 | 280 | 1428 |
| | Scrapers | 2 | 8 | 35 | 361 | 0.48 | 8.664 | 560 | 4851.84 |
| | Tractors/Loaders/B ackhoes | 2 | 8 | 35 | 97 | 0.37 | 1.7945 | 560 | 1004.92 |
| | Paving | Pavers | 2 | 8 | 20 | 125 | 0.42 | 2.625 | 320 |
| Paving Equipment | | 2 | 8 | 20 | 130 | 0.36 | 2.34 | 320 | 748.8 |
| Rollers | | 2 | 8 | 20 | 80 | 0.38 | 1.52 | 320 | 486.4 |
| Building Construction | Cranes | 1 | 7 | 340 | 226 | 0.29 | 3.277 | 2380 | 7799.26 |
| | Forklifts | 3 | 8 | 340 | 89 | 0.2 | 0.89 | 8160 | 7262.4 |
| | Generator Sets | 1 | 8 | 340 | 84 | 0.74 | 3.108 | 2720 | 8453.76 |
| | Tractors/Loaders/B ackhoes | 3 | 7 | 340 | 97 | 0.37 | 1.7945 | 7140 | 12812.73 |
| | Welders | 1 | 8 | 340 | 46 | 0.45 | 1.035 | 2720 | 2815.2 |
| Architectural Coating | Air Compressors | 1 | 6 | 20 | 78 | 0.48 | 1.872 | 120 | 224.64 |
| Notes: Refer to Appendix H for construction equipment quantities, horse power, load factors, and hours of use per phase | | | | | | | | | |

Fuel consumption factor for diesel engine is assumed to be 0.05 gallons per horsepower per hour (gal/hp/hr) based on SCAQMD CEQA Handbook Table A9-3E

| Phase | Equipment | Quantity | Hours Each Day | Total Number of Days Worked | Horse Power | Load Factor | Fuel Consumption Rate (Gallons per Hour) | Duration (Total Hours) | Total Fuel Consumption (Gallons) |
|-----------------------|-------------------------------|----------|----------------|-----------------------------|-------------|-------------|--|------------------------|----------------------------------|
| Phase IV and V | | | | | | | | | |
| Site Preparation | Rubber Tired Dozers | 3 | 8 | 40 | 255 | 0.4 | 5.1 | 960 | 4896 |
| | Tractors/Loaders/B ackhoes | 4 | 8 | 40 | 97 | 0.37 | 1.7945 | 1280 | 2296.96 |
| Grading | Excavators | 2 | 8 | 135 | 162 | 0.38 | 3.078 | 2160 | 6648.48 |
| | Graders | 1 | 8 | 135 | 174 | 0.41 | 3.567 | 1080 | 3852.36 |
| | Rubber Tired Dozers | 1 | 8 | 135 | 255 | 0.4 | 5.1 | 1080 | 5508 |
| | Scrapers | 2 | 8 | 135 | 361 | 0.48 | 8.664 | 2160 | 18714.24 |
| | Tractors/Loaders/B ackhoes | 2 | 8 | 135 | 97 | 0.37 | 1.7945 | 2160 | 3876.12 |
| | Pavers | 2 | 8 | 135 | 125 | 0.42 | 2.625 | 2160 | 5670 |
| | Rollers | 2 | 8 | 135 | 80 | 0.38 | 1.52 | 2160 | 3283.2 |
| | Paving Equipment | 2 | 8 | 135 | 130 | 0.36 | 2.34 | 2160 | 5054.4 |
| Paving | Pavers | 2 | 8 | 30 | 125 | 0.42 | 2.625 | 480 | 1260 |
| | Paving Equipment | 2 | 8 | 30 | 130 | 0.36 | 2.34 | 480 | 1123.2 |
| | Rollers | 2 | 8 | 30 | 80 | 0.38 | 1.52 | 480 | 729.6 |
| Building Construction | Cranes | 1 | 7 | 625 | 226 | 0.29 | 3.277 | 4375 | 14336.875 |
| | Forklifts | 3 | 8 | 625 | 89 | 0.2 | 0.89 | 15000 | 13350 |
| | Generator Sets | 1 | 8 | 625 | 84 | 0.74 | 3.108 | 5000 | 15540 |
| | Tractors/Loaders/B ackhoes | 3 | 7 | 625 | 97 | 0.37 | 1.7945 | 13125 | 23552.8125 |

| | | | | | | | | | |
|---|-----------------|---|---|-----|----|------|-------|------|--------|
| | Welders | 1 | 8 | 625 | 46 | 0.45 | 1.035 | 5000 | 5175 |
| Architectural Coating | Air Compressors | 1 | 6 | 35 | 78 | 0.48 | 1.872 | 210 | 393.12 |
| Notes: Refer to Appendix H for construction equipment quantities, horse power, load factors, and hours of use per phase Fuel consumption factor for diesel engine is assumed to be 0.05 gallons per horsepower per hour (gal/hp/hr) based on SCAQMD CEQA Handbook Table A9-3E | | | | | | | | | |

| Phase | Equipment | Quantity | Hours Each Day | Total Number of Days Worked | Horse Power | Load Factor | Fuel Consumption Rate (Gallons per Hour) | Duration (Total Hours) | Total Fuel Consumption (Gallons) |
|-----------------------|----------------------------|----------|----------------|-----------------------------|-------------|-------------|--|------------------------|----------------------------------|
| Phase VI | | | | | | | | | |
| Site Preparation | Rubber Tired Dozers | 3 | 8 | 5 | 255 | 0.4 | 5.1 | 120 | 612 |
| | Tractors/Loaders/B ackhoes | 4 | 8 | 5 | 97 | 0.37 | 1.7945 | 160 | 287.12 |
| Grading | Excavators | 2 | 8 | 15 | 162 | 0.38 | 3.078 | 240 | 738.72 |
| | Graders | 1 | 8 | 15 | 174 | 0.41 | 3.567 | 120 | 428.04 |
| | Rubber Tired Dozers | 1 | 8 | 15 | 255 | 0.4 | 5.1 | 120 | 612 |
| | Scrapers | 2 | 8 | 15 | 361 | 0.48 | 8.664 | 240 | 2079.36 |
| | Tractors/Loaders/B ackhoes | 2 | 8 | 15 | 97 | 0.37 | 1.7945 | 240 | 430.68 |
| Paving | Pavers | 2 | 8 | 5 | 125 | 0.42 | 2.625 | 80 | 210 |
| | Paving Equipment | 2 | 8 | 5 | 130 | 0.36 | 2.34 | 80 | 187.2 |
| | Rollers | 2 | 8 | 5 | 80 | 0.38 | 1.52 | 80 | 121.6 |
| Building Construction | Cranes | 1 | 7 | 150 | 226 | 0.29 | 3.277 | 1050 | 3440.85 |
| | Forklifts | 3 | 8 | 150 | 89 | 0.2 | 0.89 | 3600 | 3204 |
| | Generator Sets | 1 | 8 | 150 | 84 | 0.74 | 3.108 | 1200 | 3729.6 |

| | | | | | | | | | |
|--|-------------------------------|---|---|-----|----|------|--------|------|----------|
| | Tractors/Loaders/B ackhoes | 3 | 7 | 150 | 97 | 0.37 | 1.7945 | 3150 | 5652.675 |
| | Welders | 1 | 8 | 150 | 46 | 0.45 | 1.035 | 1200 | 1242 |
| Architectural Coating | Air Compressors | 1 | 6 | 18 | 78 | 0.48 | 1.872 | 108 | 202.176 |
| Notes: Refer to Appendix H for construction equipment quantities, horse power, load factors, and hours of use per phase Fuel consumption factor for diesel engine is assumed to be 0.05 gallons per horsepower per hour (gal/hp/hr) based on SCAQMD CEQA Handbook Table A9-3E | | | | | | | | | |

| Total Fuel Consumption By Phase | |
|---------------------------------|----------------------------|
| Phase | Fuel Consumption (Gallons) |
| Offsite Construction | 93534.12 |
| Phase I | 138476.14 |
| Phase II | 24568.75 |
| Phase III | 58678.47 |
| Phase IV and V | 135260.3675 |
| Phase VI | 23178.021 |
| Total | 473695.8685 |