

MA20219 - Platinum Storage - JV - South Coast Air Basin, Summer

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South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|----------|-------------|--------------------|------------|
| General Light Industry | 88.90 | 1000sqft | 2.04 | 88,898.00 | 0 |
| Parking Lot | 14.00 | Space | 0.13 | 5,600.00 | 0 |
| Other Asphalt Surfaces | 1.00 | Acre | 1.00 | 43,560.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 31 |
| Climate Zone | 10 | | | Operational Year | 2023 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MW hr) | 702.44 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use -

Construction Phase - Deleted demolition phase

Off-road Equipment - Reduced site prep equipment from default due to project site being relatively flat

Off-road Equipment - reduced grading equipment due to project size and site being relatively flat

Off-road Equipment - deleted crane and reduced forklifts and T/L/B since site is metal storage units less than 18-feet in height.

Off-road Equipment -

Architectural Coating - majority of construction is pre-coated metal panels with limited onsite coating operations

Construction Off-road Equipment Mitigation - Project required to follow Rule 401 & 403 for dust mitigation

| Table Name | Column Name | Default Value | New Value |
|-------------------------|-----------------------------------|---------------|-----------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 44,449.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 133,347.00 | 0.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 100.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 100.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 100.00 | 50.00 |
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0 | 35 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 25 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblTripsAndVMT | WorkerTripNumber | 13.00 | 10.00 |

2.0 Emissions Summary

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2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.0081 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |
| Energy | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |
| Mobile | 1.0954 | 4.7539 | 16.7448 | 0.0669 | 5.8317 | 0.0457 | 5.8775 | 1.5601 | 0.0425 | 1.6026 | | 6,809.0194 | 6,809.0194 | 0.2913 | | 6,816.3024 |
| Total | 3.1889 | 5.5298 | 17.4071 | 0.0715 | 5.8317 | 0.1047 | 5.9365 | 1.5601 | 0.1015 | 1.6616 | | 7,739.9998 | 7,739.9998 | 0.3092 | 0.0171 | 7,752.8165 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.0081 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |
| Energy | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |
| Mobile | 1.0954 | 4.7539 | 16.7448 | 0.0669 | 5.8317 | 0.0457 | 5.8775 | 1.5601 | 0.0425 | 1.6026 | | 6,809.0194 | 6,809.0194 | 0.2913 | | 6,816.3024 |
| Total | 3.1889 | 5.5298 | 17.4071 | 0.0715 | 5.8317 | 0.1047 | 5.9365 | 1.5601 | 0.1015 | 1.6616 | | 7,739.9998 | 7,739.9998 | 0.3092 | 0.0171 | 7,752.8165 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Site Preparation | Site Preparation | 6/8/2021 | 6/14/2021 | 5 | 5 | |
| 2 | Grading | Grading | 6/15/2021 | 6/24/2021 | 5 | 8 | |
| 3 | Building Construction | Building Construction | 6/25/2021 | 5/12/2022 | 5 | 230 | |
| 4 | Paving | Paving | 5/13/2022 | 6/7/2022 | 5 | 18 | |
| 5 | Architectural Coating | Architectural Coating | 6/8/2022 | 7/1/2022 | 5 | 18 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.13

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,950 (Architectural Coating – sqft)

OffRoad Equipment

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| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 2 | 6.00 | 9 | 0.56 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Building Construction | Forklifts | 2 | 8.00 | 89 | 0.20 |
| Paving | Pavers | 1 | 8.00 | 130 | 0.42 |
| Paving | Rollers | 2 | 6.00 | 80 | 0.38 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 7.00 | 97 | 0.37 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Site Preparation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Paving Equipment | 2 | 6.00 | 132 | 0.36 |
| Site Preparation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation | 3 | 8.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 5 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 7 | 58.00 | 23.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 8 | 20.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 12.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

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3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.0221 | 0.0000 | 6.0221 | 3.3102 | 0.0000 | 3.3102 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.4209 | 14.7629 | 8.5583 | 0.0147 | | 0.7560 | 0.7560 | | 0.6955 | 0.6955 | | 1,429.1523 | 1,429.1523 | 0.4622 | | 1,440.7078 |
| Total | 1.4209 | 14.7629 | 8.5583 | 0.0147 | 6.0221 | 0.7560 | 6.7781 | 3.3102 | 0.6955 | 4.0058 | | 1,429.1523 | 1,429.1523 | 0.4622 | | 1,440.7078 |

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3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category | 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 | 0.0335 | 0.0218 | 0.3004 | 8.9000e-004 | 0.0894 | 6.6000e-004 | 0.0901 | 0.0237 | 6.1000e-004 | 0.0243 | | 88.5519 | 88.5519 | 2.3900e-003 | | 88.6115 |
| Total | 0.0335 | 0.0218 | 0.3004 | 8.9000e-004 | 0.0894 | 6.6000e-004 | 0.0901 | 0.0237 | 6.1000e-004 | 0.0243 | | 88.5519 | 88.5519 | 2.3900e-003 | | 88.6115 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.3486 | 0.0000 | 2.3486 | 1.2910 | 0.0000 | 1.2910 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.4209 | 14.7629 | 8.5583 | 0.0147 | | 0.7560 | 0.7560 | | 0.6955 | 0.6955 | 0.0000 | 1,429.1523 | 1,429.1523 | 0.4622 | | 1,440.7078 |
| Total | 1.4209 | 14.7629 | 8.5583 | 0.0147 | 2.3486 | 0.7560 | 3.1046 | 1.2910 | 0.6955 | 1.9865 | 0.0000 | 1,429.1523 | 1,429.1523 | 0.4622 | | 1,440.7078 |

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3.2 Site Preparation - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category | 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 | 0.0335 | 0.0218 | 0.3004 | 8.9000e-004 | 0.0622 | 6.6000e-004 | 0.0629 | 0.0170 | 6.1000e-004 | 0.0177 | | 88.5519 | 88.5519 | 2.3900e-003 | | 88.6115 |
| Total | 0.0335 | 0.0218 | 0.3004 | 8.9000e-004 | 0.0622 | 6.6000e-004 | 0.0629 | 0.0170 | 6.1000e-004 | 0.0177 | | 88.5519 | 88.5519 | 2.3900e-003 | | 88.6115 |

3.3 Grading - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1031 | 22.8409 | 13.5972 | 0.0265 | | 1.0481 | 1.0481 | | 0.9643 | 0.9643 | | 2,571.0284 | 2,571.0284 | 0.8315 | | 2,591.8165 |
| Total | 2.1031 | 22.8409 | 13.5972 | 0.0265 | 6.5523 | 1.0481 | 7.6005 | 3.3675 | 0.9643 | 4.3318 | | 2,571.0284 | 2,571.0284 | 0.8315 | | 2,591.8165 |

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3.3 Grading - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0419 | 0.0273 | 0.3755 | 1.1100e-003 | 0.1118 | 8.3000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 110.6898 | 110.6898 | 2.9800e-003 | | 110.7644 |
| Total | 0.0419 | 0.0273 | 0.3755 | 1.1100e-003 | 0.1118 | 8.3000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 110.6898 | 110.6898 | 2.9800e-003 | | 110.7644 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.5554 | 0.0000 | 2.5554 | 1.3133 | 0.0000 | 1.3133 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1031 | 22.8409 | 13.5972 | 0.0265 | | 1.0481 | 1.0481 | | 0.9643 | 0.9643 | 0.0000 | 2,571.0284 | 2,571.0284 | 0.8315 | | 2,591.8165 |
| Total | 2.1031 | 22.8409 | 13.5972 | 0.0265 | 2.5554 | 1.0481 | 3.6036 | 1.3133 | 0.9643 | 2.2776 | 0.0000 | 2,571.0284 | 2,571.0284 | 0.8315 | | 2,591.8165 |

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3.3 Grading - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0419 | 0.0273 | 0.3755 | 1.1100e-003 | 0.0778 | 8.3000e-004 | 0.0786 | 0.0213 | 7.6000e-004 | 0.0221 | | 110.6898 | 110.6898 | 2.9800e-003 | | 110.7644 |
| Total | 0.0419 | 0.0273 | 0.3755 | 1.1100e-003 | 0.0778 | 8.3000e-004 | 0.0786 | 0.0213 | 7.6000e-004 | 0.0221 | | 110.6898 | 110.6898 | 2.9800e-003 | | 110.7644 |

3.4 Building Construction - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.6077 | 14.5941 | 13.4296 | 0.0227 | | 0.7771 | 0.7771 | | 0.7343 | 0.7343 | | 2,142.0455 | 2,142.0455 | 0.4830 | | 2,154.1202 |
| Total | 1.6077 | 14.5941 | 13.4296 | 0.0227 | | 0.7771 | 0.7771 | | 0.7343 | 0.7343 | | 2,142.0455 | 2,142.0455 | 0.4830 | | 2,154.1202 |

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3.4 Building Construction - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0647 | 2.2027 | 0.5348 | 5.8200e-003 | 0.1472 | 4.5000e-003 | 0.1517 | 0.0424 | 4.3000e-003 | 0.0467 | | 622.7106 | 622.7106 | 0.0385 | | 623.6733 |
| Worker | 0.2427 | 0.1583 | 2.1777 | 6.4400e-003 | 0.6483 | 4.8000e-003 | 0.6531 | 0.1719 | 4.4200e-003 | 0.1764 | | 642.0010 | 642.0010 | 0.0173 | | 642.4336 |
| Total | 0.3075 | 2.3610 | 2.7126 | 0.0123 | 0.7955 | 9.3000e-003 | 0.8048 | 0.2143 | 8.7200e-003 | 0.2230 | | 1,264.7116 | 1,264.7116 | 0.0558 | | 1,266.1069 |

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 | 1.6077 | 14.5941 | 13.4296 | 0.0227 | | 0.7771 | 0.7771 | | 0.7343 | 0.7343 | 0.0000 | 2,142.0455 | 2,142.0455 | 0.4830 | | 2,154.1202 |
| Total | 1.6077 | 14.5941 | 13.4296 | 0.0227 | | 0.7771 | 0.7771 | | 0.7343 | 0.7343 | 0.0000 | 2,142.0455 | 2,142.0455 | 0.4830 | | 2,154.1202 |

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3.4 Building Construction - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0647 | 2.2027 | 0.5348 | 5.8200e-003 | 0.1105 | 4.5000e-003 | 0.1150 | 0.0334 | 4.3000e-003 | 0.0377 | | 622.7106 | 622.7106 | 0.0385 | | 623.6733 |
| Worker | 0.2427 | 0.1583 | 2.1777 | 6.4400e-003 | 0.4510 | 4.8000e-003 | 0.4558 | 0.1235 | 4.4200e-003 | 0.1279 | | 642.0010 | 642.0010 | 0.0173 | | 642.4336 |
| Total | 0.3075 | 2.3610 | 2.7126 | 0.0123 | 0.5615 | 9.3000e-003 | 0.5708 | 0.1569 | 8.7200e-003 | 0.1656 | | 1,264.7116 | 1,264.7116 | 0.0558 | | 1,266.1069 |

3.4 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 | 1.4485 | 13.0946 | 13.2515 | 0.0227 | | 0.6603 | 0.6603 | | 0.6243 | 0.6243 | | 2,142.7187 | 2,142.7187 | 0.4788 | | 2,154.6892 |
| Total | 1.4485 | 13.0946 | 13.2515 | 0.0227 | | 0.6603 | 0.6603 | | 0.6243 | 0.6243 | | 2,142.7187 | 2,142.7187 | 0.4788 | | 2,154.6892 |

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3.4 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 | 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 | 0.0607 | 2.0922 | 0.5064 | 5.7600e-003 | 0.1472 | 3.9100e-003 | 0.1511 | 0.0424 | 3.7400e-003 | 0.0461 | | 617.2515 | 617.2515 | 0.0372 | | 618.1811 |
| Worker | 0.2277 | 0.1430 | 2.0139 | 6.2100e-003 | 0.6483 | 4.6600e-003 | 0.6530 | 0.1719 | 4.2900e-003 | 0.1762 | | 619.0126 | 619.0126 | 0.0156 | | 619.4037 |
| Total | 0.2884 | 2.2352 | 2.5203 | 0.0120 | 0.7955 | 8.5700e-003 | 0.8040 | 0.2143 | 8.0300e-003 | 0.2223 | | 1,236.2641 | 1,236.2641 | 0.0528 | | 1,237.5848 |

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 | 1.4485 | 13.0946 | 13.2515 | 0.0227 | | 0.6603 | 0.6603 | | 0.6243 | 0.6243 | 0.0000 | 2,142.7187 | 2,142.7187 | 0.4788 | | 2,154.6892 |
| Total | 1.4485 | 13.0946 | 13.2515 | 0.0227 | | 0.6603 | 0.6603 | | 0.6243 | 0.6243 | 0.0000 | 2,142.7187 | 2,142.7187 | 0.4788 | | 2,154.6892 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Summer

3.4 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 | 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 | 0.0607 | 2.0922 | 0.5064 | 5.7600e-003 | 0.1105 | 3.9100e-003 | 0.1144 | 0.0334 | 3.7400e-003 | 0.0371 | | 617.2515 | 617.2515 | 0.0372 | | 618.1811 |
| Worker | 0.2277 | 0.1430 | 2.0139 | 6.2100e-003 | 0.4510 | 4.6600e-003 | 0.4557 | 0.1235 | 4.2900e-003 | 0.1278 | | 619.0126 | 619.0126 | 0.0156 | | 619.4037 |
| Total | 0.2884 | 2.2352 | 2.5203 | 0.0120 | 0.5615 | 8.5700e-003 | 0.5701 | 0.1569 | 8.0300e-003 | 0.1649 | | 1,236.2641 | 1,236.2641 | 0.0528 | | 1,237.5848 |

3.5 Paving - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9765 | 9.5221 | 12.1940 | 0.0189 | | 0.4877 | 0.4877 | | 0.4504 | 0.4504 | | 1,805.1297 | 1,805.1297 | 0.5672 | | 1,819.3091 |
| Paving | 0.1645 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1410 | 9.5221 | 12.1940 | 0.0189 | | 0.4877 | 0.4877 | | 0.4504 | 0.4504 | | 1,805.1297 | 1,805.1297 | 0.5672 | | 1,819.3091 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Summer

3.5 Paving - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0785 | 0.0493 | 0.6944 | 2.1400e-003 | 0.2236 | 1.6100e-003 | 0.2252 | 0.0593 | 1.4800e-003 | 0.0608 | | 213.4526 | 213.4526 | 5.3900e-003 | | 213.5875 |
| Total | 0.0785 | 0.0493 | 0.6944 | 2.1400e-003 | 0.2236 | 1.6100e-003 | 0.2252 | 0.0593 | 1.4800e-003 | 0.0608 | | 213.4526 | 213.4526 | 5.3900e-003 | | 213.5875 |

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 | 0.9765 | 9.5221 | 12.1940 | 0.0189 | | 0.4877 | 0.4877 | | 0.4504 | 0.4504 | 0.0000 | 1,805.1297 | 1,805.1297 | 0.5672 | | 1,819.3091 |
| Paving | 0.1645 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1410 | 9.5221 | 12.1940 | 0.0189 | | 0.4877 | 0.4877 | | 0.4504 | 0.4504 | 0.0000 | 1,805.1297 | 1,805.1297 | 0.5672 | | 1,819.3091 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Summer

3.5 Paving - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0785 | 0.0493 | 0.6944 | 2.1400e-003 | 0.1555 | 1.6100e-003 | 0.1571 | 0.0426 | 1.4800e-003 | 0.0441 | | 213.4526 | 213.4526 | 5.3900e-003 | | 213.5875 |
| Total | 0.0785 | 0.0493 | 0.6944 | 2.1400e-003 | 0.1555 | 1.6100e-003 | 0.1571 | 0.0426 | 1.4800e-003 | 0.0441 | | 213.4526 | 213.4526 | 5.3900e-003 | | 213.5875 |

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 0.3798 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2045 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |
| Total | 0.5844 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Summer

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0471 | 0.0296 | 0.4167 | 1.2900e-003 | 0.1341 | 9.6000e-004 | 0.1351 | 0.0356 | 8.9000e-004 | 0.0365 | | 128.0716 | 128.0716 | 3.2400e-003 | | 128.1525 |
| Total | 0.0471 | 0.0296 | 0.4167 | 1.2900e-003 | 0.1341 | 9.6000e-004 | 0.1351 | 0.0356 | 8.9000e-004 | 0.0365 | | 128.0716 | 128.0716 | 3.2400e-003 | | 128.1525 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 0.3798 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2045 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | 0.0000 | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |
| Total | 0.5844 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | 0.0000 | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Summer

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0471 | 0.0296 | 0.4167 | 1.2900e-003 | 0.0933 | 9.6000e-004 | 0.0943 | 0.0256 | 8.9000e-004 | 0.0264 | | 128.0716 | 128.0716 | 3.2400e-003 | | 128.1525 |
| Total | 0.0471 | 0.0296 | 0.4167 | 1.2900e-003 | 0.0933 | 9.6000e-004 | 0.0943 | 0.0256 | 8.9000e-004 | 0.0264 | | 128.0716 | 128.0716 | 3.2400e-003 | | 128.1525 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

MA20219 - Platinum Storage - JV - South Coast Air Basin, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.0954 | 4.7539 | 16.7448 | 0.0669 | 5.8317 | 0.0457 | 5.8775 | 1.5601 | 0.0425 | 1.6026 | | 6,809.0194 | 6,809.0194 | 0.2913 | | 6,816.3024 |
| Unmitigated | 1.0954 | 4.7539 | 16.7448 | 0.0669 | 5.8317 | 0.0457 | 5.8775 | 1.5601 | 0.0425 | 1.6026 | | 6,809.0194 | 6,809.0194 | 0.2913 | | 6,816.3024 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 619.62 | 117.35 | 60.45 | 2,072,365 | 2,072,365 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 619.62 | 117.35 | 60.45 | 2,072,365 | 2,072,365 |

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 |
| General Light Industry | 16.60 | 8.40 | 6.90 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Other Asphalt Surfaces | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

MA20219 - Platinum Storage - JV - South Coast Air Basin, Summer

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.552712 | 0.042774 | 0.202769 | 0.116939 | 0.015078 | 0.005847 | 0.021692 | 0.031910 | 0.002110 | 0.001769 | 0.004822 | 0.000710 | 0.000869 |
| Other Asphalt Surfaces | 0.552712 | 0.042774 | 0.202769 | 0.116939 | 0.015078 | 0.005847 | 0.021692 | 0.031910 | 0.002110 | 0.001769 | 0.004822 | 0.000710 | 0.000869 |
| Parking Lot | 0.552712 | 0.042774 | 0.202769 | 0.116939 | 0.015078 | 0.005847 | 0.021692 | 0.031910 | 0.002110 | 0.001769 | 0.004822 | 0.000710 | 0.000869 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |
| NaturalGas Unmitigated | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 7913.14 | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |
| 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 |
| Total | | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 7.91314 | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |
| 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 |
| Total | | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |

6.0 Area Detail

MA20219 - Platinum Storage - JV - South Coast Air Basin, Summer

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 2.0081 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |
| Unmitigated | 2.0081 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.2295 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.7776 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 9.8000e-004 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |
| Total | 2.0081 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Summer

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.2295 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.7776 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 9.8000e-004 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |
| Total | 2.0081 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

MA20219 - Platinum Storage - JV - South Coast Air Basin, Summer

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

MA20219 - Platinum Storage - JV
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|----------|-------------|--------------------|------------|
| General Light Industry | 88.90 | 1000sqft | 2.04 | 88,898.00 | 0 |
| Parking Lot | 14.00 | Space | 0.13 | 5,600.00 | 0 |
| Other Asphalt Surfaces | 1.00 | Acre | 1.00 | 43,560.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 31 |
| Climate Zone | 10 | | | Operational Year | 2023 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MW hr) | 702.44 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

Project Characteristics -

Land Use -

Construction Phase - Deleted demolition phase

Off-road Equipment - Reduced site prep equipment from default due to project site being relatively flat

Off-road Equipment - reduced grading equipment due to project size and site being relatively flat

Off-road Equipment - deleted crane and reduced forklifts and T/L/B since site is metal storage units less than 18-feet in height.

Off-road Equipment -

Architectural Coating - majority of construction is pre-coated metal panels with limited onsite coating operations

Construction Off-road Equipment Mitigation - Project required to follow Rule 401 & 403 for dust mitigation

| Table Name | Column Name | Default Value | New Value |
|-------------------------|-----------------------------------|---------------|-----------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 44,449.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 133,347.00 | 0.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 100.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 100.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 100.00 | 50.00 |
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0 | 35 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 25 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblTripsAndVMT | WorkerTripNumber | 13.00 | 10.00 |

2.0 Emissions Summary

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.0081 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |
| Energy | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |
| Mobile | 1.0505 | 4.8856 | 15.5383 | 0.0635 | 5.8317 | 0.0459 | 5.8776 | 1.5601 | 0.0427 | 1.6028 | | 6,468.9928 | 6,468.9928 | 0.2888 | | 6,476.2124 |
| Total | 3.1440 | 5.6615 | 16.2006 | 0.0681 | 5.8317 | 0.1049 | 5.9366 | 1.5601 | 0.1017 | 1.6618 | | 7,399.9732 | 7,399.9732 | 0.3067 | 0.0171 | 7,412.7265 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 2.0081 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |
| Energy | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |
| Mobile | 1.0505 | 4.8856 | 15.5383 | 0.0635 | 5.8317 | 0.0459 | 5.8776 | 1.5601 | 0.0427 | 1.6028 | | 6,468.9928 | 6,468.9928 | 0.2888 | | 6,476.2124 |
| Total | 3.1440 | 5.6615 | 16.2006 | 0.0681 | 5.8317 | 0.1049 | 5.9366 | 1.5601 | 0.1017 | 1.6618 | | 7,399.9732 | 7,399.9732 | 0.3067 | 0.0171 | 7,412.7265 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Site Preparation | Site Preparation | 6/8/2021 | 6/14/2021 | 5 | 5 | |
| 2 | Grading | Grading | 6/15/2021 | 6/24/2021 | 5 | 8 | |
| 3 | Building Construction | Building Construction | 6/25/2021 | 5/12/2022 | 5 | 230 | |
| 4 | Paving | Paving | 5/13/2022 | 6/7/2022 | 5 | 18 | |
| 5 | Architectural Coating | Architectural Coating | 6/8/2022 | 7/1/2022 | 5 | 18 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.13

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,950 (Architectural Coating – sqft)

OffRoad Equipment

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 2 | 6.00 | 9 | 0.56 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Building Construction | Forklifts | 2 | 8.00 | 89 | 0.20 |
| Paving | Pavers | 1 | 8.00 | 130 | 0.42 |
| Paving | Rollers | 2 | 6.00 | 80 | 0.38 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 7.00 | 97 | 0.37 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Site Preparation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Paving Equipment | 2 | 6.00 | 132 | 0.36 |
| Site Preparation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation | 3 | 8.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 5 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 7 | 58.00 | 23.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 8 | 20.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 12.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.0221 | 0.0000 | 6.0221 | 3.3102 | 0.0000 | 3.3102 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.4209 | 14.7629 | 8.5583 | 0.0147 | | 0.7560 | 0.7560 | | 0.6955 | 0.6955 | | 1,429.1523 | 1,429.1523 | 0.4622 | | 1,440.7078 |
| Total | 1.4209 | 14.7629 | 8.5583 | 0.0147 | 6.0221 | 0.7560 | 6.7781 | 3.3102 | 0.6955 | 4.0058 | | 1,429.1523 | 1,429.1523 | 0.4622 | | 1,440.7078 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category | 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 | 0.0369 | 0.0240 | 0.2719 | 8.3000e-004 | 0.0894 | 6.6000e-004 | 0.0901 | 0.0237 | 6.1000e-004 | 0.0243 | | 83.0521 | 83.0521 | 2.2300e-003 | | 83.1079 |
| Total | 0.0369 | 0.0240 | 0.2719 | 8.3000e-004 | 0.0894 | 6.6000e-004 | 0.0901 | 0.0237 | 6.1000e-004 | 0.0243 | | 83.0521 | 83.0521 | 2.2300e-003 | | 83.1079 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.3486 | 0.0000 | 2.3486 | 1.2910 | 0.0000 | 1.2910 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.4209 | 14.7629 | 8.5583 | 0.0147 | | 0.7560 | 0.7560 | | 0.6955 | 0.6955 | 0.0000 | 1,429.1523 | 1,429.1523 | 0.4622 | | 1,440.7078 |
| Total | 1.4209 | 14.7629 | 8.5583 | 0.0147 | 2.3486 | 0.7560 | 3.1046 | 1.2910 | 0.6955 | 1.9865 | 0.0000 | 1,429.1523 | 1,429.1523 | 0.4622 | | 1,440.7078 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category | 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 | 0.0369 | 0.0240 | 0.2719 | 8.3000e-004 | 0.0622 | 6.6000e-004 | 0.0629 | 0.0170 | 6.1000e-004 | 0.0177 | | 83.0521 | 83.0521 | 2.2300e-003 | | 83.1079 |
| Total | 0.0369 | 0.0240 | 0.2719 | 8.3000e-004 | 0.0622 | 6.6000e-004 | 0.0629 | 0.0170 | 6.1000e-004 | 0.0177 | | 83.0521 | 83.0521 | 2.2300e-003 | | 83.1079 |

3.3 Grading - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1031 | 22.8409 | 13.5972 | 0.0265 | | 1.0481 | 1.0481 | | 0.9643 | 0.9643 | | 2,571.0284 | 2,571.0284 | 0.8315 | | 2,591.8165 |
| Total | 2.1031 | 22.8409 | 13.5972 | 0.0265 | 6.5523 | 1.0481 | 7.6005 | 3.3675 | 0.9643 | 4.3318 | | 2,571.0284 | 2,571.0284 | 0.8315 | | 2,591.8165 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

3.3 Grading - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0461 | 0.0300 | 0.3399 | 1.0400e-003 | 0.1118 | 8.3000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 103.8151 | 103.8151 | 2.7900e-003 | | 103.8849 |
| Total | 0.0461 | 0.0300 | 0.3399 | 1.0400e-003 | 0.1118 | 8.3000e-004 | 0.1126 | 0.0296 | 7.6000e-004 | 0.0304 | | 103.8151 | 103.8151 | 2.7900e-003 | | 103.8849 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.5554 | 0.0000 | 2.5554 | 1.3133 | 0.0000 | 1.3133 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.1031 | 22.8409 | 13.5972 | 0.0265 | | 1.0481 | 1.0481 | | 0.9643 | 0.9643 | 0.0000 | 2,571.0284 | 2,571.0284 | 0.8315 | | 2,591.8165 |
| Total | 2.1031 | 22.8409 | 13.5972 | 0.0265 | 2.5554 | 1.0481 | 3.6036 | 1.3133 | 0.9643 | 2.2776 | 0.0000 | 2,571.0284 | 2,571.0284 | 0.8315 | | 2,591.8165 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

3.3 Grading - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0461 | 0.0300 | 0.3399 | 1.0400e-003 | 0.0778 | 8.3000e-004 | 0.0786 | 0.0213 | 7.6000e-004 | 0.0221 | | 103.8151 | 103.8151 | 2.7900e-003 | | 103.8849 |
| Total | 0.0461 | 0.0300 | 0.3399 | 1.0400e-003 | 0.0778 | 8.3000e-004 | 0.0786 | 0.0213 | 7.6000e-004 | 0.0221 | | 103.8151 | 103.8151 | 2.7900e-003 | | 103.8849 |

3.4 Building Construction - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.6077 | 14.5941 | 13.4296 | 0.0227 | | 0.7771 | 0.7771 | | 0.7343 | 0.7343 | | 2,142.0455 | 2,142.0455 | 0.4830 | | 2,154.1202 |
| Total | 1.6077 | 14.5941 | 13.4296 | 0.0227 | | 0.7771 | 0.7771 | | 0.7343 | 0.7343 | | 2,142.0455 | 2,142.0455 | 0.4830 | | 2,154.1202 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0680 | 2.1975 | 0.5945 | 5.6600e-003 | 0.1472 | 4.6400e-003 | 0.1518 | 0.0424 | 4.4400e-003 | 0.0468 | | 605.7597 | 605.7597 | 0.0412 | | 606.7885 |
| Worker | 0.2675 | 0.1739 | 1.9712 | 6.0400e-003 | 0.6483 | 4.8000e-003 | 0.6531 | 0.1719 | 4.4200e-003 | 0.1764 | | 602.1277 | 602.1277 | 0.0162 | | 602.5325 |
| Total | 0.3355 | 2.3713 | 2.5658 | 0.0117 | 0.7955 | 9.4400e-003 | 0.8049 | 0.2143 | 8.8600e-003 | 0.2232 | | 1,207.8874 | 1,207.8874 | 0.0573 | | 1,209.3211 |

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 | 1.6077 | 14.5941 | 13.4296 | 0.0227 | | 0.7771 | 0.7771 | | 0.7343 | 0.7343 | 0.0000 | 2,142.0455 | 2,142.0455 | 0.4830 | | 2,154.1202 |
| Total | 1.6077 | 14.5941 | 13.4296 | 0.0227 | | 0.7771 | 0.7771 | | 0.7343 | 0.7343 | 0.0000 | 2,142.0455 | 2,142.0455 | 0.4830 | | 2,154.1202 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

3.4 Building Construction - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0680 | 2.1975 | 0.5945 | 5.6600e-003 | 0.1105 | 4.6400e-003 | 0.1151 | 0.0334 | 4.4400e-003 | 0.0378 | | 605.7597 | 605.7597 | 0.0412 | | 606.7885 |
| Worker | 0.2675 | 0.1739 | 1.9712 | 6.0400e-003 | 0.4510 | 4.8000e-003 | 0.4558 | 0.1235 | 4.4200e-003 | 0.1279 | | 602.1277 | 602.1277 | 0.0162 | | 602.5325 |
| Total | 0.3355 | 2.3713 | 2.5658 | 0.0117 | 0.5615 | 9.4400e-003 | 0.5709 | 0.1569 | 8.8600e-003 | 0.1657 | | 1,207.8874 | 1,207.8874 | 0.0573 | | 1,209.3211 |

3.4 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 | 1.4485 | 13.0946 | 13.2515 | 0.0227 | | 0.6603 | 0.6603 | | 0.6243 | 0.6243 | | 2,142.7187 | 2,142.7187 | 0.4788 | | 2,154.6892 |
| Total | 1.4485 | 13.0946 | 13.2515 | 0.0227 | | 0.6603 | 0.6603 | | 0.6243 | 0.6243 | | 2,142.7187 | 2,142.7187 | 0.4788 | | 2,154.6892 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

3.4 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 | 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 | 0.0638 | 2.0857 | 0.5631 | 5.6100e-003 | 0.1472 | 4.0400e-003 | 0.1512 | 0.0424 | 3.8600e-003 | 0.0462 | | 600.3509 | 600.3509 | 0.0397 | | 601.3436 |
| Worker | 0.2516 | 0.1570 | 1.8197 | 5.8200e-003 | 0.6483 | 4.6600e-003 | 0.6530 | 0.1719 | 4.2900e-003 | 0.1762 | | 580.5677 | 580.5677 | 0.0146 | | 580.9334 |
| Total | 0.3154 | 2.2428 | 2.3828 | 0.0114 | 0.7955 | 8.7000e-003 | 0.8042 | 0.2143 | 8.1500e-003 | 0.2225 | | 1,180.9186 | 1,180.9186 | 0.0543 | | 1,182.2770 |

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 | 1.4485 | 13.0946 | 13.2515 | 0.0227 | | 0.6603 | 0.6603 | | 0.6243 | 0.6243 | 0.0000 | 2,142.7187 | 2,142.7187 | 0.4788 | | 2,154.6892 |
| Total | 1.4485 | 13.0946 | 13.2515 | 0.0227 | | 0.6603 | 0.6603 | | 0.6243 | 0.6243 | 0.0000 | 2,142.7187 | 2,142.7187 | 0.4788 | | 2,154.6892 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

3.4 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 | 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 | 0.0638 | 2.0857 | 0.5631 | 5.6100e-003 | 0.1105 | 4.0400e-003 | 0.1145 | 0.0334 | 3.8600e-003 | 0.0372 | | 600.3509 | 600.3509 | 0.0397 | | 601.3436 |
| Worker | 0.2516 | 0.1570 | 1.8197 | 5.8200e-003 | 0.4510 | 4.6600e-003 | 0.4557 | 0.1235 | 4.2900e-003 | 0.1278 | | 580.5677 | 580.5677 | 0.0146 | | 580.9334 |
| Total | 0.3154 | 2.2428 | 2.3828 | 0.0114 | 0.5615 | 8.7000e-003 | 0.5702 | 0.1569 | 8.1500e-003 | 0.1650 | | 1,180.9186 | 1,180.9186 | 0.0543 | | 1,182.2770 |

3.5 Paving - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9765 | 9.5221 | 12.1940 | 0.0189 | | 0.4877 | 0.4877 | | 0.4504 | 0.4504 | | 1,805.1297 | 1,805.1297 | 0.5672 | | 1,819.3091 |
| Paving | 0.1645 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1410 | 9.5221 | 12.1940 | 0.0189 | | 0.4877 | 0.4877 | | 0.4504 | 0.4504 | | 1,805.1297 | 1,805.1297 | 0.5672 | | 1,819.3091 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

3.5 Paving - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0868 | 0.0542 | 0.6275 | 2.0100e-003 | 0.2236 | 1.6100e-003 | 0.2252 | 0.0593 | 1.4800e-003 | 0.0608 | | 200.1958 | 200.1958 | 5.0400e-003 | | 200.3219 |
| Total | 0.0868 | 0.0542 | 0.6275 | 2.0100e-003 | 0.2236 | 1.6100e-003 | 0.2252 | 0.0593 | 1.4800e-003 | 0.0608 | | 200.1958 | 200.1958 | 5.0400e-003 | | 200.3219 |

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 | 0.9765 | 9.5221 | 12.1940 | 0.0189 | | 0.4877 | 0.4877 | | 0.4504 | 0.4504 | 0.0000 | 1,805.1297 | 1,805.1297 | 0.5672 | | 1,819.3091 |
| Paving | 0.1645 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.1410 | 9.5221 | 12.1940 | 0.0189 | | 0.4877 | 0.4877 | | 0.4504 | 0.4504 | 0.0000 | 1,805.1297 | 1,805.1297 | 0.5672 | | 1,819.3091 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

3.5 Paving - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0868 | 0.0542 | 0.6275 | 2.0100e-003 | 0.1555 | 1.6100e-003 | 0.1571 | 0.0426 | 1.4800e-003 | 0.0441 | | 200.1958 | 200.1958 | 5.0400e-003 | | 200.3219 |
| Total | 0.0868 | 0.0542 | 0.6275 | 2.0100e-003 | 0.1555 | 1.6100e-003 | 0.1571 | 0.0426 | 1.4800e-003 | 0.0441 | | 200.1958 | 200.1958 | 5.0400e-003 | | 200.3219 |

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 0.3798 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2045 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |
| Total | 0.5844 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0521 | 0.0325 | 0.3765 | 1.2100e-003 | 0.1341 | 9.6000e-004 | 0.1351 | 0.0356 | 8.9000e-004 | 0.0365 | | 120.1175 | 120.1175 | 3.0300e-003 | | 120.1931 |
| Total | 0.0521 | 0.0325 | 0.3765 | 1.2100e-003 | 0.1341 | 9.6000e-004 | 0.1351 | 0.0356 | 8.9000e-004 | 0.0365 | | 120.1175 | 120.1175 | 3.0300e-003 | | 120.1931 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 0.3798 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2045 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | 0.0000 | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |
| Total | 0.5844 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | 0.0000 | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0521 | 0.0325 | 0.3765 | 1.2100e-003 | 0.0933 | 9.6000e-004 | 0.0943 | 0.0256 | 8.9000e-004 | 0.0264 | | 120.1175 | 120.1175 | 3.0300e-003 | | 120.1931 |
| Total | 0.0521 | 0.0325 | 0.3765 | 1.2100e-003 | 0.0933 | 9.6000e-004 | 0.0943 | 0.0256 | 8.9000e-004 | 0.0264 | | 120.1175 | 120.1175 | 3.0300e-003 | | 120.1931 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.0505 | 4.8856 | 15.5383 | 0.0635 | 5.8317 | 0.0459 | 5.8776 | 1.5601 | 0.0427 | 1.6028 | | 6,468.9928 | 6,468.9928 | 0.2888 | | 6,476.2124 |
| Unmitigated | 1.0505 | 4.8856 | 15.5383 | 0.0635 | 5.8317 | 0.0459 | 5.8776 | 1.5601 | 0.0427 | 1.6028 | | 6,468.9928 | 6,468.9928 | 0.2888 | | 6,476.2124 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 619.62 | 117.35 | 60.45 | 2,072,365 | 2,072,365 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 619.62 | 117.35 | 60.45 | 2,072,365 | 2,072,365 |

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 |
| General Light Industry | 16.60 | 8.40 | 6.90 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Other Asphalt Surfaces | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.552712 | 0.042774 | 0.202769 | 0.116939 | 0.015078 | 0.005847 | 0.021692 | 0.031910 | 0.002110 | 0.001769 | 0.004822 | 0.000710 | 0.000869 |
| Other Asphalt Surfaces | 0.552712 | 0.042774 | 0.202769 | 0.116939 | 0.015078 | 0.005847 | 0.021692 | 0.031910 | 0.002110 | 0.001769 | 0.004822 | 0.000710 | 0.000869 |
| Parking Lot | 0.552712 | 0.042774 | 0.202769 | 0.116939 | 0.015078 | 0.005847 | 0.021692 | 0.031910 | 0.002110 | 0.001769 | 0.004822 | 0.000710 | 0.000869 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |
| NaturalGas Unmitigated | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |

MA20219 - Platinum Storage - JV - South Coast Air Basin, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 7913.14 | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |
| 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 |
| Total | | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 7.91314 | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |
| 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 |
| Total | | 0.0853 | 0.7758 | 0.6517 | 4.6500e-003 | | 0.0590 | 0.0590 | | 0.0590 | 0.0590 | | 930.9576 | 930.9576 | 0.0178 | 0.0171 | 936.4898 |

6.0 Area Detail

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6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 2.0081 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |
| Unmitigated | 2.0081 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.2295 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.7776 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 9.8000e-004 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |
| Total | 2.0081 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |

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6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.2295 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.7776 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 9.8000e-004 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |
| Total | 2.0081 | 1.0000e-004 | 0.0106 | 0.0000 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 0.0227 | 0.0227 | 6.0000e-005 | | 0.0242 |

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|-------|----------|-------------|--------------------|------------|
| General Light Industry | 88.90 | 1000sqft | 2.04 | 88,898.00 | 0 |
| Parking Lot | 14.00 | Space | 0.13 | 5,600.00 | 0 |
| Other Asphalt Surfaces | 1.00 | Acre | 1.00 | 43,560.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 31 |
| Climate Zone | 10 | | | Operational Year | 2023 |
| Utility Company | Southern California Edison | | | | |
| CO2 Intensity (lb/MW hr) | 702.44 | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr) | 0.006 |

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use -

Construction Phase - Deleted demolition phase

Off-road Equipment - Reduced site prep equipment from default due to project site being relatively flat

Off-road Equipment - reduced grading equipment due to project size and site being relatively flat

Off-road Equipment - deleted crane and reduced forklifts and T/L/B since site is metal storage units less than 18-feet in height.

Off-road Equipment -

Architectural Coating - majority of construction is pre-coated metal panels with limited onsite coating operations

Construction Off-road Equipment Mitigation - Project required to follow Rule 401 & 403 for dust mitigation

| Table Name | Column Name | Default Value | New Value |
|-------------------------|-----------------------------------|---------------|-----------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 44,449.00 | 0.00 |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 133,347.00 | 0.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 100.00 | 50.00 |
| tblArchitecturalCoating | EF_Nonresidential_Interior | 100.00 | 50.00 |
| tblArchitecturalCoating | EF_Parking | 100.00 | 50.00 |
| tblConstDustMitigation | CleanPavedRoadPercentReduction | 0 | 35 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 25 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 2.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblTripsAndVMT | WorkerTripNumber | 13.00 | 10.00 |

2.0 Emissions Summary

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| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1 | 6-8-2021 | 9-7-2021 | 0.6354 | 0.6354 |
| 2 | 9-8-2021 | 12-7-2021 | 0.6142 | 0.6142 |
| 3 | 12-8-2021 | 3-7-2022 | 0.5652 | 0.5652 |
| 4 | 3-8-2022 | 6-7-2022 | 0.5028 | 0.5028 |
| 5 | 6-8-2022 | 9-7-2022 | 0.0177 | 0.0177 |
| | | Highest | 0.6354 | 0.6354 |

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.3664 | 1.0000e-005 | 1.3300e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.5800e-003 | 2.5800e-003 | 1.0000e-005 | 0.0000 | 2.7500e-003 |
| Energy | 0.0156 | 0.1416 | 0.1189 | 8.5000e-004 | | 0.0108 | 0.0108 | | 0.0108 | 0.0108 | 0.0000 | 442.2518 | 442.2518 | 0.0149 | 5.2900e-003 | 444.1985 |
| Mobile | 0.1414 | 0.6837 | 2.1750 | 8.8400e-003 | 0.7871 | 6.2900e-003 | 0.7934 | 0.2109 | 5.8500e-003 | 0.2167 | 0.0000 | 816.9392 | 816.9392 | 0.0359 | 0.0000 | 817.8373 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 22.3777 | 0.0000 | 22.3777 | 1.3225 | 0.0000 | 55.4399 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 6.5221 | 85.2909 | 91.8131 | 0.6734 | 0.0166 | 113.5790 |
| Total | 0.5234 | 0.8253 | 2.2953 | 9.6900e-003 | 0.7871 | 0.0171 | 0.8041 | 0.2109 | 0.0166 | 0.2275 | 28.8999 | 1,344.4845 | 1,373.3844 | 2.0467 | 0.0218 | 1,431.0574 |

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2.2 Overall Operational

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.3664 | 1.0000e-005 | 1.3300e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.5800e-003 | 2.5800e-003 | 1.0000e-005 | 0.0000 | 2.7500e-003 |
| Energy | 0.0156 | 0.1416 | 0.1189 | 8.5000e-004 | | 0.0108 | 0.0108 | | 0.0108 | 0.0108 | 0.0000 | 442.2518 | 442.2518 | 0.0149 | 5.2900e-003 | 444.1985 |
| Mobile | 0.1414 | 0.6837 | 2.1750 | 8.8400e-003 | 0.7871 | 6.2900e-003 | 0.7934 | 0.2109 | 5.8500e-003 | 0.2167 | 0.0000 | 816.9392 | 816.9392 | 0.0359 | 0.0000 | 817.8373 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 22.3777 | 0.0000 | 22.3777 | 1.3225 | 0.0000 | 55.4399 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 6.5221 | 85.2909 | 91.8131 | 0.6734 | 0.0166 | 113.5790 |
| Total | 0.5234 | 0.8253 | 2.2953 | 9.6900e-003 | 0.7871 | 0.0171 | 0.8041 | 0.2109 | 0.0166 | 0.2275 | 28.8999 | 1,344.4845 | 1,373.3844 | 2.0467 | 0.0218 | 1,431.0574 |

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

3.0 Construction Detail

Construction Phase

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| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Site Preparation | Site Preparation | 6/8/2021 | 6/14/2021 | 5 | 5 | |
| 2 | Grading | Grading | 6/15/2021 | 6/24/2021 | 5 | 8 | |
| 3 | Building Construction | Building Construction | 6/25/2021 | 5/12/2022 | 5 | 230 | |
| 4 | Paving | Paving | 5/13/2022 | 6/7/2022 | 5 | 18 | |
| 5 | Architectural Coating | Architectural Coating | 6/8/2022 | 7/1/2022 | 5 | 18 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.13

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,950 (Architectural Coating – sqft)

OffRoad Equipment

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| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 2 | 6.00 | 9 | 0.56 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Building Construction | Forklifts | 2 | 8.00 | 89 | 0.20 |
| Paving | Pavers | 1 | 8.00 | 130 | 0.42 |
| Paving | Rollers | 2 | 6.00 | 80 | 0.38 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 7.00 | 97 | 0.37 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Site Preparation | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Paving Equipment | 2 | 6.00 | 132 | 0.36 |
| Site Preparation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| 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 |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation | 3 | 8.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 5 | 10.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 7 | 58.00 | 23.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 8 | 20.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 12.00 | 0.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

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3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0151 | 0.0000 | 0.0151 | 8.2800e-003 | 0.0000 | 8.2800e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.5500e-003 | 0.0369 | 0.0214 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.7400e-003 | 1.7400e-003 | 0.0000 | 3.2413 | 3.2413 | 1.0500e-003 | 0.0000 | 3.2675 |
| Total | 3.5500e-003 | 0.0369 | 0.0214 | 4.0000e-005 | 0.0151 | 1.8900e-003 | 0.0170 | 8.2800e-003 | 1.7400e-003 | 0.0100 | 0.0000 | 3.2413 | 3.2413 | 1.0500e-003 | 0.0000 | 3.2675 |

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3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.0000e-005 | 6.0000e-005 | 7.0000e-004 | 0.0000 | 2.2000e-004 | 0.0000 | 2.2000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1913 | 0.1913 | 1.0000e-005 | 0.0000 | 0.1915 |
| Total | 8.0000e-005 | 6.0000e-005 | 7.0000e-004 | 0.0000 | 2.2000e-004 | 0.0000 | 2.2000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1913 | 0.1913 | 1.0000e-005 | 0.0000 | 0.1915 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 5.8700e-003 | 0.0000 | 5.8700e-003 | 3.2300e-003 | 0.0000 | 3.2300e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.5500e-003 | 0.0369 | 0.0214 | 4.0000e-005 | | 1.8900e-003 | 1.8900e-003 | | 1.7400e-003 | 1.7400e-003 | 0.0000 | 3.2413 | 3.2413 | 1.0500e-003 | 0.0000 | 3.2675 |
| Total | 3.5500e-003 | 0.0369 | 0.0214 | 4.0000e-005 | 5.8700e-003 | 1.8900e-003 | 7.7600e-003 | 3.2300e-003 | 1.7400e-003 | 4.9700e-003 | 0.0000 | 3.2413 | 3.2413 | 1.0500e-003 | 0.0000 | 3.2675 |

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3.2 Site Preparation - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.0000e-005 | 6.0000e-005 | 7.0000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 4.0000e-005 | 0.0000 | 4.0000e-005 | 0.0000 | 0.1913 | 0.1913 | 1.0000e-005 | 0.0000 | 0.1915 |
| Total | 8.0000e-005 | 6.0000e-005 | 7.0000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 4.0000e-005 | 0.0000 | 4.0000e-005 | 0.0000 | 0.1913 | 0.1913 | 1.0000e-005 | 0.0000 | 0.1915 |

3.3 Grading - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0262 | 0.0000 | 0.0262 | 0.0135 | 0.0000 | 0.0135 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 8.4100e-003 | 0.0914 | 0.0544 | 1.1000e-004 | | 4.1900e-003 | 4.1900e-003 | | 3.8600e-003 | 3.8600e-003 | 0.0000 | 9.3296 | 9.3296 | 3.0200e-003 | 0.0000 | 9.4050 |
| Total | 8.4100e-003 | 0.0914 | 0.0544 | 1.1000e-004 | 0.0262 | 4.1900e-003 | 0.0304 | 0.0135 | 3.8600e-003 | 0.0173 | 0.0000 | 9.3296 | 9.3296 | 3.0200e-003 | 0.0000 | 9.4050 |

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3.3 Grading - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.7000e-004 | 1.2000e-004 | 1.4000e-003 | 0.0000 | 4.4000e-004 | 0.0000 | 4.4000e-004 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 0.3827 | 0.3827 | 1.0000e-005 | 0.0000 | 0.3829 |
| Total | 1.7000e-004 | 1.2000e-004 | 1.4000e-003 | 0.0000 | 4.4000e-004 | 0.0000 | 4.4000e-004 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 0.3827 | 0.3827 | 1.0000e-005 | 0.0000 | 0.3829 |

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 | | | | | 0.0102 | 0.0000 | 0.0102 | 5.2500e-003 | 0.0000 | 5.2500e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 8.4100e-003 | 0.0914 | 0.0544 | 1.1000e-004 | | 4.1900e-003 | 4.1900e-003 | | 3.8600e-003 | 3.8600e-003 | 0.0000 | 9.3296 | 9.3296 | 3.0200e-003 | 0.0000 | 9.4050 |
| Total | 8.4100e-003 | 0.0914 | 0.0544 | 1.1000e-004 | 0.0102 | 4.1900e-003 | 0.0144 | 5.2500e-003 | 3.8600e-003 | 9.1100e-003 | 0.0000 | 9.3296 | 9.3296 | 3.0200e-003 | 0.0000 | 9.4050 |

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3.3 Grading - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 1.7000e-004 | 1.2000e-004 | 1.4000e-003 | 0.0000 | 3.1000e-004 | 0.0000 | 3.1000e-004 | 8.0000e-005 | 0.0000 | 9.0000e-005 | 0.0000 | 0.3827 | 0.3827 | 1.0000e-005 | 0.0000 | 0.3829 |
| Total | 1.7000e-004 | 1.2000e-004 | 1.4000e-003 | 0.0000 | 3.1000e-004 | 0.0000 | 3.1000e-004 | 8.0000e-005 | 0.0000 | 9.0000e-005 | 0.0000 | 0.3827 | 0.3827 | 1.0000e-005 | 0.0000 | 0.3829 |

3.4 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 | 0.1093 | 0.9924 | 0.9132 | 1.5400e-003 | | 0.0528 | 0.0528 | | 0.0499 | 0.0499 | 0.0000 | 132.1397 | 132.1397 | 0.0298 | 0.0000 | 132.8846 |
| Total | 0.1093 | 0.9924 | 0.9132 | 1.5400e-003 | | 0.0528 | 0.0528 | | 0.0499 | 0.0499 | 0.0000 | 132.1397 | 132.1397 | 0.0298 | 0.0000 | 132.8846 |

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3.4 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 | 4.5000e-003 | 0.1521 | 0.0385 | 3.9000e-004 | 9.8600e-003 | 3.1000e-004 | 0.0102 | 2.8400e-003 | 3.0000e-004 | 3.1400e-003 | 0.0000 | 37.9750 | 37.9750 | 2.4500e-003 | 0.0000 | 38.0362 |
| Worker | 0.0164 | 0.0122 | 0.1376 | 4.2000e-004 | 0.0433 | 3.3000e-004 | 0.0436 | 0.0115 | 3.0000e-004 | 0.0118 | 0.0000 | 37.7304 | 37.7304 | 1.0200e-003 | 0.0000 | 37.7557 |
| Total | 0.0209 | 0.1643 | 0.1761 | 8.1000e-004 | 0.0531 | 6.4000e-004 | 0.0538 | 0.0143 | 6.0000e-004 | 0.0149 | 0.0000 | 75.7053 | 75.7053 | 3.4700e-003 | 0.0000 | 75.7919 |

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 | 0.1093 | 0.9924 | 0.9132 | 1.5400e-003 | | 0.0528 | 0.0528 | | 0.0499 | 0.0499 | 0.0000 | 132.1396 | 132.1396 | 0.0298 | 0.0000 | 132.8844 |
| Total | 0.1093 | 0.9924 | 0.9132 | 1.5400e-003 | | 0.0528 | 0.0528 | | 0.0499 | 0.0499 | 0.0000 | 132.1396 | 132.1396 | 0.0298 | 0.0000 | 132.8844 |

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3.4 Building Construction - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 4.5000e-003 | 0.1521 | 0.0385 | 3.9000e-004 | 7.4100e-003 | 3.1000e-004 | 7.7200e-003 | 2.2400e-003 | 3.0000e-004 | 2.5400e-003 | 0.0000 | 37.9750 | 37.9750 | 2.4500e-003 | 0.0000 | 38.0362 |
| Worker | 0.0164 | 0.0122 | 0.1376 | 4.2000e-004 | 0.0301 | 3.3000e-004 | 0.0305 | 8.2700e-003 | 3.0000e-004 | 8.5700e-003 | 0.0000 | 37.7304 | 37.7304 | 1.0200e-003 | 0.0000 | 37.7557 |
| Total | 0.0209 | 0.1643 | 0.1761 | 8.1000e-004 | 0.0376 | 6.4000e-004 | 0.0382 | 0.0105 | 6.0000e-004 | 0.0111 | 0.0000 | 75.7053 | 75.7053 | 3.4700e-003 | 0.0000 | 75.7919 |

3.4 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 | 0.0681 | 0.6154 | 0.6228 | 1.0700e-003 | | 0.0310 | 0.0310 | | 0.0293 | 0.0293 | 0.0000 | 91.3606 | 91.3606 | 0.0204 | 0.0000 | 91.8710 |
| Total | 0.0681 | 0.6154 | 0.6228 | 1.0700e-003 | | 0.0310 | 0.0310 | | 0.0293 | 0.0293 | 0.0000 | 91.3606 | 91.3606 | 0.0204 | 0.0000 | 91.8710 |

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3.4 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 | 2.9200e-003 | 0.0998 | 0.0252 | 2.7000e-004 | 6.8100e-003 | 1.9000e-004 | 7.0000e-003 | 1.9700e-003 | 1.8000e-004 | 2.1400e-003 | 0.0000 | 26.0155 | 26.0155 | 1.6300e-003 | 0.0000 | 26.0564 |
| Worker | 0.0106 | 7.6000e-003 | 0.0879 | 2.8000e-004 | 0.0299 | 2.2000e-004 | 0.0301 | 7.9400e-003 | 2.0000e-004 | 8.1400e-003 | 0.0000 | 25.1443 | 25.1443 | 6.3000e-004 | 0.0000 | 25.1601 |
| Total | 0.0136 | 0.1074 | 0.1130 | 5.5000e-004 | 0.0367 | 4.1000e-004 | 0.0371 | 9.9100e-003 | 3.8000e-004 | 0.0103 | 0.0000 | 51.1598 | 51.1598 | 2.2600e-003 | 0.0000 | 51.2165 |

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 | 0.0681 | 0.6154 | 0.6228 | 1.0700e-003 | | 0.0310 | 0.0310 | | 0.0293 | 0.0293 | 0.0000 | 91.3605 | 91.3605 | 0.0204 | 0.0000 | 91.8708 |
| Total | 0.0681 | 0.6154 | 0.6228 | 1.0700e-003 | | 0.0310 | 0.0310 | | 0.0293 | 0.0293 | 0.0000 | 91.3605 | 91.3605 | 0.0204 | 0.0000 | 91.8708 |

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3.4 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 | 2.9200e-003 | 0.0998 | 0.0252 | 2.7000e-004 | 5.1200e-003 | 1.9000e-004 | 5.3100e-003 | 1.5500e-003 | 1.8000e-004 | 1.7300e-003 | 0.0000 | 26.0155 | 26.0155 | 1.6300e-003 | 0.0000 | 26.0564 |
| Worker | 0.0106 | 7.6000e-003 | 0.0879 | 2.8000e-004 | 0.0208 | 2.2000e-004 | 0.0211 | 5.7200e-003 | 2.0000e-004 | 5.9200e-003 | 0.0000 | 25.1443 | 25.1443 | 6.3000e-004 | 0.0000 | 25.1601 |
| Total | 0.0136 | 0.1074 | 0.1130 | 5.5000e-004 | 0.0260 | 4.1000e-004 | 0.0264 | 7.2700e-003 | 3.8000e-004 | 7.6500e-003 | 0.0000 | 51.1598 | 51.1598 | 2.2600e-003 | 0.0000 | 51.2165 |

3.5 Paving - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 8.7900e-003 | 0.0857 | 0.1098 | 1.7000e-004 | | 4.3900e-003 | 4.3900e-003 | | 4.0500e-003 | 4.0500e-003 | 0.0000 | 14.7383 | 14.7383 | 4.6300e-003 | 0.0000 | 14.8540 |
| Paving | 1.4800e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0103 | 0.0857 | 0.1098 | 1.7000e-004 | | 4.3900e-003 | 4.3900e-003 | | 4.0500e-003 | 4.0500e-003 | 0.0000 | 14.7383 | 14.7383 | 4.6300e-003 | 0.0000 | 14.8540 |

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3.5 Paving - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 7.0000e-004 | 5.0000e-004 | 5.8000e-003 | 2.0000e-005 | 1.9700e-003 | 1.0000e-005 | 1.9900e-003 | 5.2000e-004 | 1.0000e-005 | 5.4000e-004 | 0.0000 | 1.6603 | 1.6603 | 4.0000e-005 | 0.0000 | 1.6613 |
| Total | 7.0000e-004 | 5.0000e-004 | 5.8000e-003 | 2.0000e-005 | 1.9700e-003 | 1.0000e-005 | 1.9900e-003 | 5.2000e-004 | 1.0000e-005 | 5.4000e-004 | 0.0000 | 1.6603 | 1.6603 | 4.0000e-005 | 0.0000 | 1.6613 |

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 | 8.7900e-003 | 0.0857 | 0.1098 | 1.7000e-004 | | 4.3900e-003 | 4.3900e-003 | | 4.0500e-003 | 4.0500e-003 | 0.0000 | 14.7383 | 14.7383 | 4.6300e-003 | 0.0000 | 14.8540 |
| Paving | 1.4800e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0103 | 0.0857 | 0.1098 | 1.7000e-004 | | 4.3900e-003 | 4.3900e-003 | | 4.0500e-003 | 4.0500e-003 | 0.0000 | 14.7383 | 14.7383 | 4.6300e-003 | 0.0000 | 14.8540 |

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3.5 Paving - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 7.0000e-004 | 5.0000e-004 | 5.8000e-003 | 2.0000e-005 | 1.3800e-003 | 1.0000e-005 | 1.3900e-003 | 3.8000e-004 | 1.0000e-005 | 3.9000e-004 | 0.0000 | 1.6603 | 1.6603 | 4.0000e-005 | 0.0000 | 1.6613 |
| Total | 7.0000e-004 | 5.0000e-004 | 5.8000e-003 | 2.0000e-005 | 1.3800e-003 | 1.0000e-005 | 1.3900e-003 | 3.8000e-004 | 1.0000e-005 | 3.9000e-004 | 0.0000 | 1.6603 | 1.6603 | 4.0000e-005 | 0.0000 | 1.6613 |

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 3.4200e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.8400e-003 | 0.0127 | 0.0163 | 3.0000e-005 | | 7.4000e-004 | 7.4000e-004 | | 7.4000e-004 | 7.4000e-004 | 0.0000 | 2.2979 | 2.2979 | 1.5000e-004 | 0.0000 | 2.3017 |
| Total | 5.2600e-003 | 0.0127 | 0.0163 | 3.0000e-005 | | 7.4000e-004 | 7.4000e-004 | | 7.4000e-004 | 7.4000e-004 | 0.0000 | 2.2979 | 2.2979 | 1.5000e-004 | 0.0000 | 2.3017 |

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3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.2000e-004 | 3.0000e-004 | 3.4800e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 0.9962 | 0.9962 | 3.0000e-005 | 0.0000 | 0.9968 |
| Total | 4.2000e-004 | 3.0000e-004 | 3.4800e-003 | 1.0000e-005 | 1.1800e-003 | 1.0000e-005 | 1.1900e-003 | 3.1000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 0.9962 | 0.9962 | 3.0000e-005 | 0.0000 | 0.9968 |

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 | 3.4200e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.8400e-003 | 0.0127 | 0.0163 | 3.0000e-005 | | 7.4000e-004 | 7.4000e-004 | | 7.4000e-004 | 7.4000e-004 | 0.0000 | 2.2979 | 2.2979 | 1.5000e-004 | 0.0000 | 2.3017 |
| Total | 5.2600e-003 | 0.0127 | 0.0163 | 3.0000e-005 | | 7.4000e-004 | 7.4000e-004 | | 7.4000e-004 | 7.4000e-004 | 0.0000 | 2.2979 | 2.2979 | 1.5000e-004 | 0.0000 | 2.3017 |

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3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.2000e-004 | 3.0000e-004 | 3.4800e-003 | 1.0000e-005 | 8.3000e-004 | 1.0000e-005 | 8.3000e-004 | 2.3000e-004 | 1.0000e-005 | 2.3000e-004 | 0.0000 | 0.9962 | 0.9962 | 3.0000e-005 | 0.0000 | 0.9968 |
| Total | 4.2000e-004 | 3.0000e-004 | 3.4800e-003 | 1.0000e-005 | 8.3000e-004 | 1.0000e-005 | 8.3000e-004 | 2.3000e-004 | 1.0000e-005 | 2.3000e-004 | 0.0000 | 0.9962 | 0.9962 | 3.0000e-005 | 0.0000 | 0.9968 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.1414 | 0.6837 | 2.1750 | 8.8400e-003 | 0.7871 | 6.2900e-003 | 0.7934 | 0.2109 | 5.8500e-003 | 0.2167 | 0.0000 | 816.9392 | 816.9392 | 0.0359 | 0.0000 | 817.8373 |
| Unmitigated | 0.1414 | 0.6837 | 2.1750 | 8.8400e-003 | 0.7871 | 6.2900e-003 | 0.7934 | 0.2109 | 5.8500e-003 | 0.2167 | 0.0000 | 816.9392 | 816.9392 | 0.0359 | 0.0000 | 817.8373 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 619.62 | 117.35 | 60.45 | 2,072,365 | 2,072,365 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 619.62 | 117.35 | 60.45 | 2,072,365 | 2,072,365 |

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 |
| General Light Industry | 16.60 | 8.40 | 6.90 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| Other Asphalt Surfaces | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 16.60 | 8.40 | 6.90 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

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| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.552712 | 0.042774 | 0.202769 | 0.116939 | 0.015078 | 0.005847 | 0.021692 | 0.031910 | 0.002110 | 0.001769 | 0.004822 | 0.000710 | 0.000869 |
| Other Asphalt Surfaces | 0.552712 | 0.042774 | 0.202769 | 0.116939 | 0.015078 | 0.005847 | 0.021692 | 0.031910 | 0.002110 | 0.001769 | 0.004822 | 0.000710 | 0.000869 |
| Parking Lot | 0.552712 | 0.042774 | 0.202769 | 0.116939 | 0.015078 | 0.005847 | 0.021692 | 0.031910 | 0.002110 | 0.001769 | 0.004822 | 0.000710 | 0.000869 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 288.1213 | 288.1213 | 0.0119 | 2.4600e-003 | 289.1521 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 288.1213 | 288.1213 | 0.0119 | 2.4600e-003 | 289.1521 |
| NaturalGas Mitigated | 0.0156 | 0.1416 | 0.1189 | 8.5000e-004 | | 0.0108 | 0.0108 | | 0.0108 | 0.0108 | 0.0000 | 154.1305 | 154.1305 | 2.9500e-003 | 2.8300e-003 | 155.0464 |
| NaturalGas Unmitigated | 0.0156 | 0.1416 | 0.1189 | 8.5000e-004 | | 0.0108 | 0.0108 | | 0.0108 | 0.0108 | 0.0000 | 154.1305 | 154.1305 | 2.9500e-003 | 2.8300e-003 | 155.0464 |

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5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Light Industry | 2.8883e+006 | 0.0156 | 0.1416 | 0.1189 | 8.5000e-004 | | 0.0108 | 0.0108 | | 0.0108 | 0.0108 | 0.0000 | 154.1305 | 154.1305 | 2.9500e-003 | 2.8300e-003 | 155.0464 |
| 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 |
| Total | | 0.0156 | 0.1416 | 0.1189 | 8.5000e-004 | | 0.0108 | 0.0108 | | 0.0108 | 0.0108 | 0.0000 | 154.1305 | 154.1305 | 2.9500e-003 | 2.8300e-003 | 155.0464 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Light Industry | 2.8883e+006 | 0.0156 | 0.1416 | 0.1189 | 8.5000e-004 | | 0.0108 | 0.0108 | | 0.0108 | 0.0108 | 0.0000 | 154.1305 | 154.1305 | 2.9500e-003 | 2.8300e-003 | 155.0464 |
| 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 |
| Total | | 0.0156 | 0.1416 | 0.1189 | 8.5000e-004 | | 0.0108 | 0.0108 | | 0.0108 | 0.0108 | 0.0000 | 154.1305 | 154.1305 | 2.9500e-003 | 2.8300e-003 | 155.0464 |

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5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Light Industry | 902315 | 287.4968 | 0.0119 | 2.4600e-003 | 288.5253 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 1960 | 0.6245 | 3.0000e-005 | 1.0000e-005 | 0.6267 |
| Total | | 288.1213 | 0.0119 | 2.4700e-003 | 289.1521 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Light Industry | 902315 | 287.4968 | 0.0119 | 2.4600e-003 | 288.5253 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 1960 | 0.6245 | 3.0000e-005 | 1.0000e-005 | 0.6267 |
| Total | | 288.1213 | 0.0119 | 2.4700e-003 | 289.1521 |

6.0 Area Detail

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6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|-------------|-------------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|--------|-------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.3664 | 1.0000e-005 | 1.3300e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.5800e-003 | 2.5800e-003 | 1.0000e-005 | 0.0000 | 2.7500e-003 |
| Unmitigated | 0.3664 | 1.0000e-005 | 1.3300e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.5800e-003 | 2.5800e-003 | 1.0000e-005 | 0.0000 | 2.7500e-003 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0419 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.3244 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.2000e-004 | 1.0000e-005 | 1.3300e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.5800e-003 | 2.5800e-003 | 1.0000e-005 | 0.0000 | 2.7500e-003 |
| Total | 0.3664 | 1.0000e-005 | 1.3300e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.5800e-003 | 2.5800e-003 | 1.0000e-005 | 0.0000 | 2.7500e-003 |

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6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0419 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.3244 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.2000e-004 | 1.0000e-005 | 1.3300e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.5800e-003 | 2.5800e-003 | 1.0000e-005 | 0.0000 | 2.7500e-003 |
| Total | 0.3664 | 1.0000e-005 | 1.3300e-003 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.5800e-003 | 2.5800e-003 | 1.0000e-005 | 0.0000 | 2.7500e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

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| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|----------|
| Category | MT/yr | | | |
| Mitigated | 91.8131 | 0.6734 | 0.0166 | 113.5790 |
| Unmitigated | 91.8131 | 0.6734 | 0.0166 | 113.5790 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------------------|----------------|---------------|---------------|-----------------|
| Land Use | Mgal | MT/yr | | | |
| General Light Industry | 20.5581 / 0 | 91.8131 | 0.6734 | 0.0166 | 113.5790 |
| 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 |
| Total | | 91.8131 | 0.6734 | 0.0166 | 113.5790 |

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7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------------|--------------------|----------------|---------------|---------------|-----------------|
| Land Use | Mgal | MT/yr | | | |
| General Light Industry | 20.5581 / 0 | 91.8131 | 0.6734 | 0.0166 | 113.5790 |
| 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 |
| Total | | 91.8131 | 0.6734 | 0.0166 | 113.5790 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 22.3777 | 1.3225 | 0.0000 | 55.4399 |
| Unmitigated | 22.3777 | 1.3225 | 0.0000 | 55.4399 |

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 110.24 | 22.3777 | 1.3225 | 0.0000 | 55.4399 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 22.3777 | 1.3225 | 0.0000 | 55.4399 |

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8.2 Waste by Land Use

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 110.24 | 22.3777 | 1.3225 | 0.0000 | 55.4399 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 22.3777 | 1.3225 | 0.0000 | 55.4399 |

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

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11.0 Vegetation

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Construction Mitigation Summary

| Phase | 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 |
| Building Construction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grading | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Site Preparation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | No Change | 0 | 1 | No Change | 0.00 |
| Cement and Mortar Mixers | Diesel | No Change | 0 | 2 | No Change | 0.00 |
| Cranes | Diesel | No Change | 0 | 1 | No Change | 0.00 |
| Excavators | Diesel | No Change | 0 | 1 | No Change | 0.00 |
| Forklifts | Diesel | No Change | 0 | 2 | No Change | 0.00 |
| Graders | Diesel | No Change | 0 | 1 | No Change | 0.00 |
| Pavers | Diesel | No Change | 0 | 1 | No Change | 0.00 |
| Rollers | Diesel | No Change | 0 | 2 | No Change | 0.00 |
| Rubber Tired Dozers | Diesel | No Change | 0 | 2 | No Change | 0.00 |
| Tractors/Loaders/Backhoes | Diesel | No Change | 0 | 7 | No Change | 0.00 |
| Generator Sets | Diesel | No Change | 0 | 1 | No Change | 0.00 |
| Paving Equipment | Diesel | No Change | 0 | 2 | No Change | 0.00 |
| Welders | Diesel | No Change | 0 | 1 | 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 | 1.84000E-003 | 1.26800E-002 | 1.63200E-002 | 3.00000E-005 | 7.40000E-004 | 7.40000E-004 | 0.00000E+000 | 2.29793E+000 | 2.29793E+000 | 1.50000E-004 | 0.00000E+000 | 2.30167E+000 |
| Cement and Mortar Mixers | 7.90000E-004 | 4.97000E-003 | 4.16000E-003 | 1.00000E-005 | 1.90000E-004 | 1.90000E-004 | 0.00000E+000 | 6.18670E-001 | 6.18670E-001 | 6.00000E-005 | 0.00000E+000 | 6.20280E-001 |
| Cranes | 3.99100E-002 | 4.60610E-001 | 1.95800E-001 | 5.80000E-004 | 1.88600E-002 | 1.73500E-002 | 0.00000E+000 | 5.10081E+001 | 5.10081E+001 | 1.65000E-002 | 0.00000E+000 | 5.14206E+001 |
| Excavators | 9.20000E-004 | 8.61000E-003 | 1.30900E-002 | 2.00000E-005 | 4.20000E-004 | 3.80000E-004 | 0.00000E+000 | 1.81507E+000 | 1.81507E+000 | 5.90000E-004 | 0.00000E+000 | 1.82974E+000 |
| Forklifts | 2.82700E-002 | 2.59520E-001 | 2.67280E-001 | 3.50000E-004 | 1.79500E-002 | 1.65200E-002 | 0.00000E+000 | 3.08870E+001 | 3.08870E+001 | 9.99000E-003 | 0.00000E+000 | 3.11367E+001 |
| Generator Sets | 3.98100E-002 | 3.52930E-001 | 4.23330E-001 | 7.60000E-004 | 1.83100E-002 | 1.83100E-002 | 0.00000E+000 | 6.49989E+001 | 6.49989E+001 | 3.22000E-003 | 0.00000E+000 | 6.50794E+001 |
| Graders | 1.81000E-003 | 2.37000E-002 | 7.07000E-003 | 3.00000E-005 | 7.50000E-004 | 6.90000E-004 | 0.00000E+000 | 2.32850E+000 | 2.32850E+000 | 7.50000E-004 | 0.00000E+000 | 2.34733E+000 |
| Pavers | 1.86000E-003 | 1.88900E-002 | 2.59600E-002 | 4.00000E-005 | 9.00000E-004 | 8.30000E-004 | 0.00000E+000 | 3.71703E+000 | 3.71703E+000 | 1.20000E-003 | 0.00000E+000 | 3.74708E+000 |
| Paving Equipment | 2.41000E-003 | 2.34600E-002 | 3.43700E-002 | 6.00000E-005 | 1.14000E-003 | 1.05000E-003 | 0.00000E+000 | 4.83105E+000 | 4.83105E+000 | 1.56000E-003 | 0.00000E+000 | 4.87011E+000 |
| Rollers | 2.24000E-003 | 2.33000E-002 | 2.51100E-002 | 4.00000E-005 | 1.34000E-003 | 1.24000E-003 | 0.00000E+000 | 3.11201E+000 | 3.11201E+000 | 1.01000E-003 | 0.00000E+000 | 3.13717E+000 |
| Rubber Tired Dozers | 6.80000E-003 | 7.13100E-002 | 2.62500E-002 | 6.00000E-005 | 3.46000E-003 | 3.18000E-003 | 0.00000E+000 | 4.87865E+000 | 4.87865E+000 | 1.58000E-003 | 0.00000E+000 | 4.91809E+000 |
| Tractors/Loaders/Backhoes | 3.97500E-002 | 4.03150E-001 | 5.02560E-001 | 6.90000E-004 | 2.29800E-002 | 2.11400E-002 | 0.00000E+000 | 6.09690E+001 | 6.09690E+001 | 1.97200E-002 | 0.00000E+000 | 6.14620E+001 |
| Welders | 3.35900E-002 | 1.71360E-001 | 1.96580E-001 | 2.90000E-004 | 8.04000E-003 | 8.04000E-003 | 0.00000E+000 | 2.16454E+001 | 2.16454E+001 | 2.73000E-003 | 0.00000E+000 | 2.17135E+001 |

| 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 | 1.84000E-003 | 1.26800E-002 | 1.63200E-002 | 3.00000E-005 | 7.40000E-004 | 7.40000E-004 | 0.00000E+000 | 2.29793E+000 | 2.29793E+000 | 1.50000E-004 | 0.00000E+000 | 2.30167E+000 |
| Cement and Mortar Mixers | 7.90000E-004 | 4.97000E-003 | 4.16000E-003 | 1.00000E-005 | 1.90000E-004 | 1.90000E-004 | 0.00000E+000 | 6.18670E-001 | 6.18670E-001 | 6.00000E-005 | 0.00000E+000 | 6.20280E-001 |
| Cranes | 3.99100E-002 | 4.60610E-001 | 1.95800E-001 | 5.80000E-004 | 1.88600E-002 | 1.73500E-002 | 0.00000E+000 | 5.10081E+001 | 5.10081E+001 | 1.65000E-002 | 0.00000E+000 | 5.14205E+001 |
| Excavators | 9.20000E-004 | 8.61000E-003 | 1.30900E-002 | 2.00000E-005 | 4.20000E-004 | 3.80000E-004 | 0.00000E+000 | 1.81506E+000 | 1.81506E+000 | 5.90000E-004 | 0.00000E+000 | 1.82974E+000 |
| Forklifts | 2.82700E-002 | 2.59520E-001 | 2.67280E-001 | 3.50000E-004 | 1.79500E-002 | 1.65200E-002 | 0.00000E+000 | 3.08870E+001 | 3.08870E+001 | 9.99000E-003 | 0.00000E+000 | 3.11367E+001 |
| Generator Sets | 3.98100E-002 | 3.52930E-001 | 4.23330E-001 | 7.60000E-004 | 1.83100E-002 | 1.83100E-002 | 0.00000E+000 | 6.49988E+001 | 6.49988E+001 | 3.22000E-003 | 0.00000E+000 | 6.50794E+001 |
| Graders | 1.81000E-003 | 2.37000E-002 | 7.07000E-003 | 3.00000E-005 | 7.50000E-004 | 6.90000E-004 | 0.00000E+000 | 2.32850E+000 | 2.32850E+000 | 7.50000E-004 | 0.00000E+000 | 2.34733E+000 |
| Pavers | 1.86000E-003 | 1.88900E-002 | 2.59600E-002 | 4.00000E-005 | 9.00000E-004 | 8.30000E-004 | 0.00000E+000 | 3.71702E+000 | 3.71702E+000 | 1.20000E-003 | 0.00000E+000 | 3.74708E+000 |
| Paving Equipment | 2.41000E-003 | 2.34600E-002 | 3.43700E-002 | 6.00000E-005 | 1.14000E-003 | 1.05000E-003 | 0.00000E+000 | 4.83105E+000 | 4.83105E+000 | 1.56000E-003 | 0.00000E+000 | 4.87011E+000 |
| Rollers | 2.24000E-003 | 2.33000E-002 | 2.51100E-002 | 4.00000E-005 | 1.34000E-003 | 1.24000E-003 | 0.00000E+000 | 3.11200E+000 | 3.11200E+000 | 1.01000E-003 | 0.00000E+000 | 3.13717E+000 |
| Rubber Tired Dozers | 6.80000E-003 | 7.13100E-002 | 2.62500E-002 | 6.00000E-005 | 3.46000E-003 | 3.18000E-003 | 0.00000E+000 | 4.87864E+000 | 4.87864E+000 | 1.58000E-003 | 0.00000E+000 | 4.91809E+000 |
| Tractors/Loaders/Balckhoes | 3.97500E-002 | 4.03150E-001 | 5.02560E-001 | 6.90000E-004 | 2.29800E-002 | 2.11400E-002 | 0.00000E+000 | 6.09690E+001 | 6.09690E+001 | 1.97200E-002 | 0.00000E+000 | 6.14619E+001 |
| Welders | 3.35900E-002 | 1.71360E-001 | 1.96580E-001 | 2.90000E-004 | 8.04000E-003 | 8.04000E-003 | 0.00000E+000 | 2.16454E+001 | 2.16454E+001 | 2.73000E-003 | 0.00000E+000 | 2.17135E+001 |

| Equipment Type | ROG | NOx | CO | SO2 | Exhaust PM10 | Exhaust PM2.5 | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Percent Reduction | | | | | | | | | | | | |
| Air Compressors | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 |
| Cement and Mortar Mixers | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 |
| Cranes | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.17628E-006 | 1.17628E-006 | 0.00000E+000 | 0.00000E+000 | 1.16685E-006 |
| Excavators | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 5.50943E-006 | 5.50943E-006 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 |
| Forklifts | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.29504E-006 | 1.29504E-006 | 0.00000E+000 | 0.00000E+000 | 1.28466E-006 |
| Generator Sets | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.23079E-006 | 1.23079E-006 | 0.00000E+000 | 0.00000E+000 | 1.22927E-006 |
| Graders | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 |
| Pavers | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 2.69032E-006 | 2.69032E-006 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 |
| Paving Equipment | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 |
| Rollers | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 3.21336E-006 | 3.21336E-006 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 |
| Rubber Tired Dozers | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 2.04975E-006 | 2.04975E-006 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 |
| Tractors/Loaders/Balckhoes | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 1.14812E-006 | 1.14812E-006 | 0.00000E+000 | 0.00000E+000 | 1.30162E-006 |
| Welders | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 0.00000E+000 | 9.23985E-007 | 9.23985E-007 | 0.00000E+000 | 0.00000E+000 | 1.38163E-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 | 61.00 | PM2.5 Reduction | 61.00 | Frequency (per day) 3.00 |

| | | | | | | | |
|-----|-------------------------|-----------------------|-------|------------------------|-------|--|--|
| No | Unpaved Road Mitigation | Moisture Content % | 0.00 | Vehicle Speed (mph) | 25.00 | | |
| Yes | Clean Paved Road | % PM Reduction | 35.00 | | | | |

| Phase | Source | Unmitigated | | Mitigated | | Percent Reduction | |
|-----------------------|---------------|-------------|-------|-----------|-------|-------------------|-------|
| | | PM10 | PM2.5 | PM10 | PM2.5 | PM10 | PM2.5 |
| Architectural Coating | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Architectural Coating | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.26 |
| Building Construction | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Building Construction | Roads | 0.09 | 0.02 | 0.06 | 0.02 | 0.29 | 0.27 |
| Grading | Fugitive Dust | 0.03 | 0.01 | 0.01 | 0.01 | 0.61 | 0.61 |
| Grading | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.33 |
| Paving | Fugitive Dust | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Paving | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.27 |
| Site Preparation | Fugitive Dust | 0.02 | 0.01 | 0.01 | 0.00 | 0.61 | 0.61 |
| Site Preparation | Roads | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.33 |

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 | 0.00 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Natural Gas | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Indoor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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:

| Mitigation | Category | Measure | % Reduction | Input Value 1 | Input Value 2 | Input Value |
|------------|----------|-------------------------------------|-------------|---------------|---------------|-------------|
| No | Land Use | Increase Density | 0.00 | | | |
| No | Land Use | Increase Diversity | 0.08 | 0.29 | | |
| No | Land Use | Improve Walkability Design | 0.00 | | | |
| No | Land Use | Improve Destination Accessibility | 0.00 | | | |
| No | Land Use | Increase Transit Accessibility | 0.25 | | | |
| No | Land Use | Integrate Below Market Rate Housing | 0.00 | | | |
| | Land Use | Land Use SubTotal | 0.00 | | | |

| | | | | | |
|----|---------------------------|--|------|--|------|
| No | Neighborhood Enhancements | Improve Pedestrian Network | | | |
| No | Neighborhood Enhancements | Provide Traffic Calming Measures | | | |
| No | Neighborhood Enhancements | Implement NEV Network | 0.00 | | |
| | Neighborhood Enhancements | Neighborhood Enhancements Subtotal | 0.00 | | |
| 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 | | |
| No | 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 | 0.00 | | |
| No | Commute | Implement Trip Reduction Program | | | |
| No | Commute | Transit Subsidy | | | |
| No | Commute | Implement Employee Parking "Cash Out" | | | |
| 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 | | | |
| | Commute | Commute Subtotal | 0.00 | | |

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

Area Mitigation

| Measure Implemented | Mitigation Measure | Input Value |
|---------------------|--|-------------|
| No | Only Natural Gas Hearth | |
| No | No Hearth | |
| No | Use Low VOC Cleaning Supplies | |
| No | Use Low VOC Paint (Residential Interior) | 50.00 |
| No | Use Low VOC Paint (Residential Exterior) | 50.00 |
| No | Use Low VOC Paint (Non-residential Interior) | 100.00 |
| No | Use Low VOC Paint (Non-residential Exterior) | 100.00 |
| No | Use Low VOC Paint (Parking) | 100.00 |
| No | % Electric Lawnmower | |
| No | % Electric Leafblower | |
| No | % Electric Chainsaw | |

Energy Mitigation Measures

| Measure Implemented | Mitigation Measure | Input Value 1 | Input Value 2 |
|---------------------|----------------------------------|---------------|---------------|
| No | Exceed Title 24 | | |
| No | Install High Efficiency Lighting | | |
| No | On-site Renewable | | |

| 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 | | |
| No | Use Reclaimed Water | | |
| No | Use Grey Water | | |
| No | Install low-flow bathroom faucet | 32.00 | |
| No | Install low-flow Kitchen faucet | 18.00 | |
| No | Install low-flow Toilet | 20.00 | |
| No | Install low-flow Shower | 20.00 | |
| No | Turf Reduction | | |
| No | Use Water Efficient Irrigation Systems | 6.10 | |
| No | Water Efficient Landscape | | |

Solid Waste Mitigation

| Mitigation Measures | Input Value |
|---------------------|-------------|
|---------------------|-------------|

| | |
|--|--|
| Institute Recycling and Composting Services Percent Reduction in Waste Disposed | |
|--|--|