

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

1953 Concourse Drive Project
Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------|--------|----------|-------------|--------------------|------------|
| General Office Building | 6.00 | 1000sqft | 1.00 | 6,000.00 | 0 |
| General Light Industry | 120.80 | 1000sqft | 3.00 | 120,800.00 | 0 |
| Parking Lot | 60.00 | Space | 3.00 | 24,000.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2030 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 172.75 | CH4 Intensity (lb/MW hr) | 0.022 | N2O Intensity (lb/MW hr) | 0.002 |

1.3 User Entered Comments & Non-Default Data

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

Project Characteristics - Energy intensity factors adjusted for 2030

Land Use - Adjusted lot acreage to total 7 acres

Construction Phase - Arch. coating adjusted to occur half way through building construction

Demolition - Existing 110,143 sf building on site to be demolished

Architectural Coating - Updated per BAAQMD Rules

Vehicle Trips - Trip rate adjusted per Hexagon TIA July 2021

Area Coating - Adjusted per BBAQMD rules

Energy Use -

| Table Name | Column Name | Default Value | New Value |
|---------------------------|---------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 150.00 | 100.00 |
| tblArchitecturalCoating | EF_Parking | 150.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 150.00 | 100.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 150 | 100 |
| tblAreaCoating | Area_EF_Parking | 150 | 100 |
| tblConstructionPhase | NumDays | 20.00 | 115.00 |
| tblLandUse | LotAcreage | 0.14 | 1.00 |
| tblLandUse | LotAcreage | 2.77 | 3.00 |
| tblLandUse | LotAcreage | 0.54 | 3.00 |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029 | 0.022 |
| tblProjectCharacteristics | CO2IntensityFactor | 641.35 | 172.75 |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006 | 0.002 |
| tblVehicleTrips | WD_TR | 6.97 | 1.74 |
| tblVehicleTrips | WD_TR | 11.03 | 1.74 |

2.0 Emissions Summary

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|------------|--|--|
| 1 | 6-1-2021 | 8-31-2021 | 1.0838 | 1.0838 |
| 2 | 9-1-2021 | 11-30-2021 | 0.7267 | 0.7267 |
| 3 | 12-1-2021 | 2-28-2022 | 0.6734 | 0.6734 |
| 4 | 3-1-2022 | 5-31-2022 | 1.0551 | 1.0551 |
| 5 | 6-1-2022 | 8-31-2022 | 0.6156 | 0.6156 |
| | | Highest | 1.0838 | 1.0838 |

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 | 0.5560 | 2.0000e-005 | 1.7100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3400e-003 | 3.3400e-003 | 1.0000e-005 | 0.0000 | 3.5500e-003 |
| Energy | 0.0177 | 0.1610 | 0.1353 | 9.7000e-004 | | 0.0122 | 0.0122 | | 0.0122 | 0.0122 | 0.0000 | 262.5233 | 262.5233 | 0.0145 | 4.2200e-003 | 264.1437 |
| Mobile | 0.0342 | 0.1779 | 0.4127 | 1.9300e-003 | 0.2098 | 1.2600e-003 | 0.2111 | 0.0563 | 1.1800e-003 | 0.0575 | 0.0000 | 178.1258 | 178.1258 | 5.4300e-003 | 0.0000 | 178.2615 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 31.5387 | 0.0000 | 31.5387 | 1.8639 | 0.0000 | 78.1358 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 9.2008 | 12.4757 | 21.6765 | 0.9466 | 0.0225 | 52.0341 |
| Total | 0.6080 | 0.3389 | 0.5496 | 2.9000e-003 | 0.2098 | 0.0135 | 0.2233 | 0.0563 | 0.0134 | 0.0697 | 40.7395 | 453.1281 | 493.8677 | 2.8304 | 0.0267 | 572.5786 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

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 | 0.5560 | 2.0000e-005 | 1.7100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3400e-003 | 3.3400e-003 | 1.0000e-005 | 0.0000 | 3.5500e-003 |
| Energy | 0.0177 | 0.1610 | 0.1353 | 9.7000e-004 | | 0.0122 | 0.0122 | | 0.0122 | 0.0122 | 0.0000 | 262.5233 | 262.5233 | 0.0145 | 4.2200e-003 | 264.1437 |
| Mobile | 0.0342 | 0.1779 | 0.4127 | 1.9300e-003 | 0.2098 | 1.2600e-003 | 0.2111 | 0.0563 | 1.1800e-003 | 0.0575 | 0.0000 | 178.1258 | 178.1258 | 5.4300e-003 | 0.0000 | 178.2615 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 31.5387 | 0.0000 | 31.5387 | 1.8639 | 0.0000 | 78.1358 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 9.2008 | 12.4757 | 21.6765 | 0.9466 | 0.0225 | 52.0341 |
| Total | 0.6080 | 0.3389 | 0.5496 | 2.9000e-003 | 0.2098 | 0.0135 | 0.2233 | 0.0563 | 0.0134 | 0.0697 | 40.7395 | 453.1281 | 493.8677 | 2.8304 | 0.0267 | 572.5786 |

| | ROG | NOx | CO | SO2 | 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

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 6/1/2021 | 6/28/2021 | 5 | 20 | |
| 2 | Site Preparation | Site Preparation | 6/29/2021 | 7/12/2021 | 5 | 10 | |
| 3 | Grading | Grading | 7/13/2021 | 8/9/2021 | 5 | 20 | |
| 4 | Building Construction | Building Construction | 8/10/2021 | 6/27/2022 | 5 | 230 | |
| 5 | Architectural Coating | Architectural Coating | 3/1/2022 | 8/8/2022 | 5 | 115 | |
| 6 | Paving | Paving | 6/28/2022 | 7/25/2022 | 5 | 20 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 190,200; Non-Residential Outdoor: 63,400; Striped Parking Area: 1,440 (Architectural Coating – sqft)

OffRoad Equipment

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

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

Trips and VMT

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 6 | 15.00 | 0.00 | 501.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 63.00 | 25.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 13.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0542 | 0.0000 | 0.0542 | 8.2100e-003 | 0.0000 | 8.2100e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0317 | 0.3144 | 0.2157 | 3.9000e-004 | | 0.0155 | 0.0155 | | 0.0144 | 0.0144 | 0.0000 | 34.0008 | 34.0008 | 9.5700e-003 | 0.0000 | 34.2400 |
| Total | 0.0317 | 0.3144 | 0.2157 | 3.9000e-004 | 0.0542 | 0.0155 | 0.0697 | 8.2100e-003 | 0.0144 | 0.0226 | 0.0000 | 34.0008 | 34.0008 | 9.5700e-003 | 0.0000 | 34.2400 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

3.2 Demolition - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.9700e-003 | 0.0676 | 0.0144 | 2.0000e-004 | 4.2300e-003 | 2.1000e-004 | 4.4400e-003 | 1.1600e-003 | 2.0000e-004 | 1.3600e-003 | 0.0000 | 18.9514 | 18.9514 | 9.7000e-004 | 0.0000 | 18.9756 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.6000e-004 | 3.2000e-004 | 3.3600e-003 | 1.0000e-005 | 1.1900e-003 | 1.0000e-005 | 1.1900e-003 | 3.2000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0020 | 1.0020 | 2.0000e-005 | 0.0000 | 1.0026 |
| Total | 2.4300e-003 | 0.0679 | 0.0178 | 2.1000e-004 | 5.4200e-003 | 2.2000e-004 | 5.6300e-003 | 1.4800e-003 | 2.1000e-004 | 1.6800e-003 | 0.0000 | 19.9534 | 19.9534 | 9.9000e-004 | 0.0000 | 19.9781 |

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 | | | | | 0.0542 | 0.0000 | 0.0542 | 8.2100e-003 | 0.0000 | 8.2100e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0317 | 0.3144 | 0.2157 | 3.9000e-004 | | 0.0155 | 0.0155 | | 0.0144 | 0.0144 | 0.0000 | 34.0007 | 34.0007 | 9.5700e-003 | 0.0000 | 34.2400 |
| Total | 0.0317 | 0.3144 | 0.2157 | 3.9000e-004 | 0.0542 | 0.0155 | 0.0697 | 8.2100e-003 | 0.0144 | 0.0226 | 0.0000 | 34.0007 | 34.0007 | 9.5700e-003 | 0.0000 | 34.2400 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

3.2 Demolition - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.9700e-003 | 0.0676 | 0.0144 | 2.0000e-004 | 4.2300e-003 | 2.1000e-004 | 4.4400e-003 | 1.1600e-003 | 2.0000e-004 | 1.3600e-003 | 0.0000 | 18.9514 | 18.9514 | 9.7000e-004 | 0.0000 | 18.9756 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.6000e-004 | 3.2000e-004 | 3.3600e-003 | 1.0000e-005 | 1.1900e-003 | 1.0000e-005 | 1.1900e-003 | 3.2000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0020 | 1.0020 | 2.0000e-005 | 0.0000 | 1.0026 |
| Total | 2.4300e-003 | 0.0679 | 0.0178 | 2.1000e-004 | 5.4200e-003 | 2.2000e-004 | 5.6300e-003 | 1.4800e-003 | 2.1000e-004 | 1.6800e-003 | 0.0000 | 19.9534 | 19.9534 | 9.9000e-004 | 0.0000 | 19.9781 |

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0903 | 0.0000 | 0.0903 | 0.0497 | 0.0000 | 0.0497 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0194 | 0.2025 | 0.1058 | 1.9000e-004 | | 0.0102 | 0.0102 | | 9.4000e-003 | 9.4000e-003 | 0.0000 | 16.7179 | 16.7179 | 5.4100e-003 | 0.0000 | 16.8530 |
| Total | 0.0194 | 0.2025 | 0.1058 | 1.9000e-004 | 0.0903 | 0.0102 | 0.1006 | 0.0497 | 9.4000e-003 | 0.0591 | 0.0000 | 16.7179 | 16.7179 | 5.4100e-003 | 0.0000 | 16.8530 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.8000e-004 | 1.9000e-004 | 2.0200e-003 | 1.0000e-005 | 7.1000e-004 | 0.0000 | 7.2000e-004 | 1.9000e-004 | 0.0000 | 1.9000e-004 | 0.0000 | 0.6012 | 0.6012 | 1.0000e-005 | 0.0000 | 0.6015 |
| Total | 2.8000e-004 | 1.9000e-004 | 2.0200e-003 | 1.0000e-005 | 7.1000e-004 | 0.0000 | 7.2000e-004 | 1.9000e-004 | 0.0000 | 1.9000e-004 | 0.0000 | 0.6012 | 0.6012 | 1.0000e-005 | 0.0000 | 0.6015 |

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 | | | | | 0.0903 | 0.0000 | 0.0903 | 0.0497 | 0.0000 | 0.0497 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0194 | 0.2025 | 0.1058 | 1.9000e-004 | | 0.0102 | 0.0102 | | 9.4000e-003 | 9.4000e-003 | 0.0000 | 16.7178 | 16.7178 | 5.4100e-003 | 0.0000 | 16.8530 |
| Total | 0.0194 | 0.2025 | 0.1058 | 1.9000e-004 | 0.0903 | 0.0102 | 0.1006 | 0.0497 | 9.4000e-003 | 0.0591 | 0.0000 | 16.7178 | 16.7178 | 5.4100e-003 | 0.0000 | 16.8530 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.8000e-004 | 1.9000e-004 | 2.0200e-003 | 1.0000e-005 | 7.1000e-004 | 0.0000 | 7.2000e-004 | 1.9000e-004 | 0.0000 | 1.9000e-004 | 0.0000 | 0.6012 | 0.6012 | 1.0000e-005 | 0.0000 | 0.6015 |
| Total | 2.8000e-004 | 1.9000e-004 | 2.0200e-003 | 1.0000e-005 | 7.1000e-004 | 0.0000 | 7.2000e-004 | 1.9000e-004 | 0.0000 | 1.9000e-004 | 0.0000 | 0.6012 | 0.6012 | 1.0000e-005 | 0.0000 | 0.6015 |

3.4 Grading - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0655 | 0.0000 | 0.0655 | 0.0337 | 0.0000 | 0.0337 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0229 | 0.2474 | 0.1586 | 3.0000e-004 | | 0.0116 | 0.0116 | | 0.0107 | 0.0107 | 0.0000 | 26.0537 | 26.0537 | 8.4300e-003 | 0.0000 | 26.2644 |
| Total | 0.0229 | 0.2474 | 0.1586 | 3.0000e-004 | 0.0655 | 0.0116 | 0.0771 | 0.0337 | 0.0107 | 0.0443 | 0.0000 | 26.0537 | 26.0537 | 8.4300e-003 | 0.0000 | 26.2644 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

3.4 Grading - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 4.6000e-004 | 3.2000e-004 | 3.3600e-003 | 1.0000e-005 | 1.1900e-003 | 1.0000e-005 | 1.1900e-003 | 3.2000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0020 | 1.0020 | 2.0000e-005 | 0.0000 | 1.0026 |
| Total | 4.6000e-004 | 3.2000e-004 | 3.3600e-003 | 1.0000e-005 | 1.1900e-003 | 1.0000e-005 | 1.1900e-003 | 3.2000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0020 | 1.0020 | 2.0000e-005 | 0.0000 | 1.0026 |

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 | | | | | 0.0655 | 0.0000 | 0.0655 | 0.0337 | 0.0000 | 0.0337 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0229 | 0.2474 | 0.1586 | 3.0000e-004 | | 0.0116 | 0.0116 | | 0.0107 | 0.0107 | 0.0000 | 26.0537 | 26.0537 | 8.4300e-003 | 0.0000 | 26.2643 |
| Total | 0.0229 | 0.2474 | 0.1586 | 3.0000e-004 | 0.0655 | 0.0116 | 0.0771 | 0.0337 | 0.0107 | 0.0443 | 0.0000 | 26.0537 | 26.0537 | 8.4300e-003 | 0.0000 | 26.2643 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

3.4 Grading - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 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 | 4.6000e-004 | 3.2000e-004 | 3.3600e-003 | 1.0000e-005 | 1.1900e-003 | 1.0000e-005 | 1.1900e-003 | 3.2000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0020 | 1.0020 | 2.0000e-005 | 0.0000 | 1.0026 |
| Total | 4.6000e-004 | 3.2000e-004 | 3.3600e-003 | 1.0000e-005 | 1.1900e-003 | 1.0000e-005 | 1.1900e-003 | 3.2000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 1.0020 | 1.0020 | 2.0000e-005 | 0.0000 | 1.0026 |

3.5 Building Construction - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0989 | 0.9065 | 0.8619 | 1.4000e-003 | | 0.0499 | 0.0499 | | 0.0469 | 0.0469 | 0.0000 | 120.4514 | 120.4514 | 0.0291 | 0.0000 | 121.1779 |
| Total | 0.0989 | 0.9065 | 0.8619 | 1.4000e-003 | | 0.0499 | 0.0499 | | 0.0469 | 0.0469 | 0.0000 | 120.4514 | 120.4514 | 0.0291 | 0.0000 | 121.1779 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 4.1300e-003 | 0.1358 | 0.0339 | 3.5000e-004 | 8.5200e-003 | 3.0000e-004 | 8.8200e-003 | 2.4700e-003 | 2.8000e-004 | 2.7500e-003 | 0.0000 | 33.7147 | 33.7147 | 1.6600e-003 | 0.0000 | 33.7562 |
| Worker | 0.0101 | 6.9400e-003 | 0.0735 | 2.4000e-004 | 0.0259 | 1.7000e-004 | 0.0261 | 6.8900e-003 | 1.6000e-004 | 7.0400e-003 | 0.0000 | 21.8834 | 21.8834 | 4.9000e-004 | 0.0000 | 21.8956 |
| Total | 0.0142 | 0.1427 | 0.1074 | 5.9000e-004 | 0.0344 | 4.7000e-004 | 0.0349 | 9.3600e-003 | 4.4000e-004 | 9.7900e-003 | 0.0000 | 55.5981 | 55.5981 | 2.1500e-003 | 0.0000 | 55.6518 |

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 | 0.0989 | 0.9065 | 0.8619 | 1.4000e-003 | | 0.0499 | 0.0499 | | 0.0469 | 0.0469 | 0.0000 | 120.4512 | 120.4512 | 0.0291 | 0.0000 | 121.1777 |
| Total | 0.0989 | 0.9065 | 0.8619 | 1.4000e-003 | | 0.0499 | 0.0499 | | 0.0469 | 0.0469 | 0.0000 | 120.4512 | 120.4512 | 0.0291 | 0.0000 | 121.1777 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

3.5 Building Construction - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 4.1300e-003 | 0.1358 | 0.0339 | 3.5000e-004 | 8.5200e-003 | 3.0000e-004 | 8.8200e-003 | 2.4700e-003 | 2.8000e-004 | 2.7500e-003 | 0.0000 | 33.7147 | 33.7147 | 1.6600e-003 | 0.0000 | 33.7562 |
| Worker | 0.0101 | 6.9400e-003 | 0.0735 | 2.4000e-004 | 0.0259 | 1.7000e-004 | 0.0261 | 6.8900e-003 | 1.6000e-004 | 7.0400e-003 | 0.0000 | 21.8834 | 21.8834 | 4.9000e-004 | 0.0000 | 21.8956 |
| Total | 0.0142 | 0.1427 | 0.1074 | 5.9000e-004 | 0.0344 | 4.7000e-004 | 0.0349 | 9.3600e-003 | 4.4000e-004 | 9.7900e-003 | 0.0000 | 55.5981 | 55.5981 | 2.1500e-003 | 0.0000 | 55.6518 |

3.5 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 | 0.1075 | 0.9838 | 1.0309 | 1.7000e-003 | | 0.0510 | 0.0510 | | 0.0480 | 0.0480 | 0.0000 | 145.9869 | 145.9869 | 0.0350 | 0.0000 | 146.8613 |
| Total | 0.1075 | 0.9838 | 1.0309 | 1.7000e-003 | | 0.0510 | 0.0510 | | 0.0480 | 0.0480 | 0.0000 | 145.9869 | 145.9869 | 0.0350 | 0.0000 | 146.8613 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

3.5 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 | 4.6600e-003 | 0.1558 | 0.0386 | 4.2000e-004 | 0.0103 | 3.1000e-004 | 0.0106 | 2.9900e-003 | 3.0000e-004 | 3.2800e-003 | 0.0000 | 40.4462 | 40.4462 | 1.9200e-003 | 0.0000 | 40.4941 |
| Worker | 0.0114 | 7.5400e-003 | 0.0818 | 2.8000e-004 | 0.0314 | 2.0000e-004 | 0.0316 | 8.3400e-003 | 1.8000e-004 | 8.5300e-003 | 0.0000 | 25.5405 | 25.5405 | 5.3000e-004 | 0.0000 | 25.5539 |
| Total | 0.0160 | 0.1633 | 0.1204 | 7.0000e-004 | 0.0417 | 5.1000e-004 | 0.0422 | 0.0113 | 4.8000e-004 | 0.0118 | 0.0000 | 65.9867 | 65.9867 | 2.4500e-003 | 0.0000 | 66.0480 |

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 | 0.1075 | 0.9838 | 1.0309 | 1.7000e-003 | | 0.0510 | 0.0510 | | 0.0480 | 0.0480 | 0.0000 | 145.9867 | 145.9867 | 0.0350 | 0.0000 | 146.8611 |
| Total | 0.1075 | 0.9838 | 1.0309 | 1.7000e-003 | | 0.0510 | 0.0510 | | 0.0480 | 0.0480 | 0.0000 | 145.9867 | 145.9867 | 0.0350 | 0.0000 | 146.8611 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

3.5 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 | 4.6600e-003 | 0.1558 | 0.0386 | 4.2000e-004 | 0.0103 | 3.1000e-004 | 0.0106 | 2.9900e-003 | 3.0000e-004 | 3.2800e-003 | 0.0000 | 40.4462 | 40.4462 | 1.9200e-003 | 0.0000 | 40.4941 |
| Worker | 0.0114 | 7.5400e-003 | 0.0818 | 2.8000e-004 | 0.0314 | 2.0000e-004 | 0.0316 | 8.3400e-003 | 1.8000e-004 | 8.5300e-003 | 0.0000 | 25.5405 | 25.5405 | 5.3000e-004 | 0.0000 | 25.5539 |
| Total | 0.0160 | 0.1633 | 0.1204 | 7.0000e-004 | 0.0417 | 5.1000e-004 | 0.0422 | 0.0113 | 4.8000e-004 | 0.0118 | 0.0000 | 65.9867 | 65.9867 | 2.4500e-003 | 0.0000 | 66.0480 |

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 | 0.5911 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0118 | 0.0810 | 0.1043 | 1.7000e-004 | | 4.7000e-003 | 4.7000e-003 | | 4.7000e-003 | 4.7000e-003 | 0.0000 | 14.6812 | 14.6812 | 9.6000e-004 | 0.0000 | 14.7051 |
| Total | 0.6028 | 0.0810 | 0.1043 | 1.7000e-004 | | 4.7000e-003 | 4.7000e-003 | | 4.7000e-003 | 4.7000e-003 | 0.0000 | 14.6812 | 14.6812 | 9.6000e-004 | 0.0000 | 14.7051 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

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 | 2.1400e-003 | 1.4200e-003 | 0.0154 | 5.0000e-005 | 5.9100e-003 | 4.0000e-005 | 5.9400e-003 | 1.5700e-003 | 3.0000e-005 | 1.6100e-003 | 0.0000 | 4.8102 | 4.8102 | 1.0000e-004 | 0.0000 | 4.8127 |
| Total | 2.1400e-003 | 1.4200e-003 | 0.0154 | 5.0000e-005 | 5.9100e-003 | 4.0000e-005 | 5.9400e-003 | 1.5700e-003 | 3.0000e-005 | 1.6100e-003 | 0.0000 | 4.8102 | 4.8102 | 1.0000e-004 | 0.0000 | 4.8127 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.5911 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0118 | 0.0810 | 0.1043 | 1.7000e-004 | | 4.7000e-003 | 4.7000e-003 | | 4.7000e-003 | 4.7000e-003 | 0.0000 | 14.6812 | 14.6812 | 9.6000e-004 | 0.0000 | 14.7051 |
| Total | 0.6028 | 0.0810 | 0.1043 | 1.7000e-004 | | 4.7000e-003 | 4.7000e-003 | | 4.7000e-003 | 4.7000e-003 | 0.0000 | 14.6812 | 14.6812 | 9.6000e-004 | 0.0000 | 14.7051 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

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 | 2.1400e-003 | 1.4200e-003 | 0.0154 | 5.0000e-005 | 5.9100e-003 | 4.0000e-005 | 5.9400e-003 | 1.5700e-003 | 3.0000e-005 | 1.6100e-003 | 0.0000 | 4.8102 | 4.8102 | 1.0000e-004 | 0.0000 | 4.8127 |
| Total | 2.1400e-003 | 1.4200e-003 | 0.0154 | 5.0000e-005 | 5.9100e-003 | 4.0000e-005 | 5.9400e-003 | 1.5700e-003 | 3.0000e-005 | 1.6100e-003 | 0.0000 | 4.8102 | 4.8102 | 1.0000e-004 | 0.0000 | 4.8127 |

3.7 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 | 0.0110 | 0.1113 | 0.1458 | 2.3000e-004 | | 5.6800e-003 | 5.6800e-003 | | 5.2200e-003 | 5.2200e-003 | 0.0000 | 20.0276 | 20.0276 | 6.4800e-003 | 0.0000 | 20.1895 |
| Paving | 3.9300e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0150 | 0.1113 | 0.1458 | 2.3000e-004 | | 5.6800e-003 | 5.6800e-003 | | 5.2200e-003 | 5.2200e-003 | 0.0000 | 20.0276 | 20.0276 | 6.4800e-003 | 0.0000 | 20.1895 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

3.7 Paving - 2022

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.3000e-004 | 2.8000e-004 | 3.0900e-003 | 1.0000e-005 | 1.1900e-003 | 1.0000e-005 | 1.1900e-003 | 3.2000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 0.9653 | 0.9653 | 2.0000e-005 | 0.0000 | 0.9658 |
| Total | 4.3000e-004 | 2.8000e-004 | 3.0900e-003 | 1.0000e-005 | 1.1900e-003 | 1.0000e-005 | 1.1900e-003 | 3.2000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 0.9653 | 0.9653 | 2.0000e-005 | 0.0000 | 0.9658 |

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 | 0.0110 | 0.1113 | 0.1458 | 2.3000e-004 | | 5.6800e-003 | 5.6800e-003 | | 5.2200e-003 | 5.2200e-003 | 0.0000 | 20.0275 | 20.0275 | 6.4800e-003 | 0.0000 | 20.1895 |
| Paving | 3.9300e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0150 | 0.1113 | 0.1458 | 2.3000e-004 | | 5.6800e-003 | 5.6800e-003 | | 5.2200e-003 | 5.2200e-003 | 0.0000 | 20.0275 | 20.0275 | 6.4800e-003 | 0.0000 | 20.1895 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

3.7 Paving - 2022

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 4.3000e-004 | 2.8000e-004 | 3.0900e-003 | 1.0000e-005 | 1.1900e-003 | 1.0000e-005 | 1.1900e-003 | 3.2000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 0.9653 | 0.9653 | 2.0000e-005 | 0.0000 | 0.9658 |
| Total | 4.3000e-004 | 2.8000e-004 | 3.0900e-003 | 1.0000e-005 | 1.1900e-003 | 1.0000e-005 | 1.1900e-003 | 3.2000e-004 | 1.0000e-005 | 3.2000e-004 | 0.0000 | 0.9653 | 0.9653 | 2.0000e-005 | 0.0000 | 0.9658 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0342 | 0.1779 | 0.4127 | 1.9300e-003 | 0.2098 | 1.2600e-003 | 0.2111 | 0.0563 | 1.1800e-003 | 0.0575 | 0.0000 | 178.1258 | 178.1258 | 5.4300e-003 | 0.0000 | 178.2615 |
| Unmitigated | 0.0342 | 0.1779 | 0.4127 | 1.9300e-003 | 0.2098 | 1.2600e-003 | 0.2111 | 0.0563 | 1.1800e-003 | 0.0575 | 0.0000 | 178.1258 | 178.1258 | 5.4300e-003 | 0.0000 | 178.2615 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|-------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 210.19 | 159.46 | 82.14 | 539,092 | 539,092 |
| General Office Building | 10.44 | 14.76 | 6.30 | 25,010 | 25,010 |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 220.63 | 174.22 | 88.44 | 564,102 | 564,102 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.585795 | 0.036515 | 0.193581 | 0.106455 | 0.012789 | 0.005274 | 0.019465 | 0.028415 | 0.002699 | 0.001789 | 0.005626 | 0.000921 | 0.000676 |
| General Office Building | 0.585795 | 0.036515 | 0.193581 | 0.106455 | 0.012789 | 0.005274 | 0.019465 | 0.028415 | 0.002699 | 0.001789 | 0.005626 | 0.000921 | 0.000676 |
| Parking Lot | 0.585795 | 0.036515 | 0.193581 | 0.106455 | 0.012789 | 0.005274 | 0.019465 | 0.028415 | 0.002699 | 0.001789 | 0.005626 | 0.000921 | 0.000676 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 87.2273 | 87.2273 | 0.0111 | 1.0100e-003 | 87.8059 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 87.2273 | 87.2273 | 0.0111 | 1.0100e-003 | 87.8059 |
| NaturalGas Mitigated | 0.0177 | 0.1610 | 0.1353 | 9.7000e-004 | | 0.0122 | 0.0122 | | 0.0122 | 0.0122 | 0.0000 | 175.2961 | 175.2961 | 3.3600e-003 | 3.2100e-003 | 176.3378 |
| NaturalGas Unmitigated | 0.0177 | 0.1610 | 0.1353 | 9.7000e-004 | | 0.0122 | 0.0122 | | 0.0122 | 0.0122 | 0.0000 | 175.2961 | 175.2961 | 3.3600e-003 | 3.2100e-003 | 176.3378 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

5.2 Energy by Land Use - Natural Gas

Unmitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Light Industry | 3.1867e+006 | 0.0172 | 0.1562 | 0.1312 | 9.4000e-004 | | 0.0119 | 0.0119 | | 0.0119 | 0.0119 | 0.0000 | 170.0547 | 170.0547 | 3.2600e-003 | 3.1200e-003 | 171.0652 |
| General Office Building | 98220 | 5.3000e-004 | 4.8100e-003 | 4.0400e-003 | 3.0000e-005 | | 3.7000e-004 | 3.7000e-004 | | 3.7000e-004 | 3.7000e-004 | 0.0000 | 5.2414 | 5.2414 | 1.0000e-004 | 1.0000e-004 | 5.2725 |
| 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 | | 0.0177 | 0.1610 | 0.1353 | 9.7000e-004 | | 0.0122 | 0.0122 | | 0.0122 | 0.0122 | 0.0000 | 175.2961 | 175.2961 | 3.3600e-003 | 3.2200e-003 | 176.3378 |

Mitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| General Light Industry | 3.1867e+006 | 0.0172 | 0.1562 | 0.1312 | 9.4000e-004 | | 0.0119 | 0.0119 | | 0.0119 | 0.0119 | 0.0000 | 170.0547 | 170.0547 | 3.2600e-003 | 3.1200e-003 | 171.0652 |
| General Office Building | 98220 | 5.3000e-004 | 4.8100e-003 | 4.0400e-003 | 3.0000e-005 | | 3.7000e-004 | 3.7000e-004 | | 3.7000e-004 | 3.7000e-004 | 0.0000 | 5.2414 | 5.2414 | 1.0000e-004 | 1.0000e-004 | 5.2725 |
| 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 | | 0.0177 | 0.1610 | 0.1353 | 9.7000e-004 | | 0.0122 | 0.0122 | | 0.0122 | 0.0122 | 0.0000 | 175.2961 | 175.2961 | 3.3600e-003 | 3.2200e-003 | 176.3378 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|----------------|---------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Light Industry | 997808 | 78.1863 | 9.9600e-003 | 9.1000e-004 | 78.7050 |
| General Office Building | 106980 | 8.3828 | 1.0700e-003 | 1.0000e-004 | 8.4384 |
| Parking Lot | 8400 | 0.6582 | 8.0000e-005 | 1.0000e-005 | 0.6626 |
| Total | | 87.2273 | 0.0111 | 1.0200e-003 | 87.8059 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|----------------|---------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| General Light Industry | 997808 | 78.1863 | 9.9600e-003 | 9.1000e-004 | 78.7050 |
| General Office Building | 106980 | 8.3828 | 1.0700e-003 | 1.0000e-004 | 8.4384 |
| Parking Lot | 8400 | 0.6582 | 8.0000e-005 | 1.0000e-005 | 0.6626 |
| Total | | 87.2273 | 0.0111 | 1.0200e-003 | 87.8059 |

6.0 Area Detail

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

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 | 0.5560 | 2.0000e-005 | 1.7100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3400e-003 | 3.3400e-003 | 1.0000e-005 | 0.0000 | 3.5500e-003 |
| Unmitigated | 0.5560 | 2.0000e-005 | 1.7100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3400e-003 | 3.3400e-003 | 1.0000e-005 | 0.0000 | 3.5500e-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 | 0.0591 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.4968 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.6000e-004 | 2.0000e-005 | 1.7100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3400e-003 | 3.3400e-003 | 1.0000e-005 | 0.0000 | 3.5500e-003 |
| Total | 0.5560 | 2.0000e-005 | 1.7100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3400e-003 | 3.3400e-003 | 1.0000e-005 | 0.0000 | 3.5500e-003 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

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 | 0.0591 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.4968 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 1.6000e-004 | 2.0000e-005 | 1.7100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3400e-003 | 3.3400e-003 | 1.0000e-005 | 0.0000 | 3.5500e-003 |
| Total | 0.5560 | 2.0000e-005 | 1.7100e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | 0.0000 | 3.3400e-003 | 3.3400e-003 | 1.0000e-005 | 0.0000 | 3.5500e-003 |

7.0 Water Detail

7.1 Mitigation Measures Water

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| Category | MT/yr | | | |
| Mitigated | 21.6765 | 0.9466 | 0.0225 | 52.0341 |
| Unmitigated | 21.6765 | 0.9466 | 0.0225 | 52.0341 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| General Light Industry | 27.935 / 0 | 20.7068 | 0.9118 | 0.0216 | 49.9469 |
| General Office Building | 1.0664 / 0.653602 | 0.9697 | 0.0348 | 8.3000e-004 | 2.0871 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 21.6765 | 0.9466 | 0.0225 | 52.0341 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| General Light Industry | 27.935 / 0 | 20.7068 | 0.9118 | 0.0216 | 49.9469 |
| General Office Building | 1.0664 / 0.653602 | 0.9697 | 0.0348 | 8.3000e-004 | 2.0871 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 21.6765 | 0.9466 | 0.0225 | 52.0341 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 31.5387 | 1.8639 | 0.0000 | 78.1358 |
| Unmitigated | 31.5387 | 1.8639 | 0.0000 | 78.1358 |

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 149.79 | 30.4060 | 1.7969 | 0.0000 | 75.3296 |
| General Office Building | 5.58 | 1.1327 | 0.0669 | 0.0000 | 2.8062 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 31.5387 | 1.8639 | 0.0000 | 78.1358 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

8.2 Waste by Land Use

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| General Light Industry | 149.79 | 30.4060 | 1.7969 | 0.0000 | 75.3296 |
| General Office Building | 5.58 | 1.1327 | 0.0669 | 0.0000 | 2.8062 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 31.5387 | 1.8639 | 0.0000 | 78.1358 |

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 |
|----------------|--------|
|----------------|--------|

1953 Concourse Drive Project - Bay Area AQMD Air District, Annual

11.0 Vegetation

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

1953 Concourse Drive Project
Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------|--------|----------|-------------|--------------------|------------|
| General Office Building | 6.00 | 1000sqft | 1.00 | 6,000.00 | 0 |
| General Light Industry | 120.80 | 1000sqft | 3.00 | 120,800.00 | 0 |
| Parking Lot | 60.00 | Space | 3.00 | 24,000.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2022 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 264.88 | CH4 Intensity (lb/MW hr) | 0.034 | N2O Intensity (lb/MW hr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

Project Characteristics - Energy intensity factors adjusted for 2022

Land Use - Adjusted lot acreage to total 7 acres

Construction Phase - Arch. coating adjusted to occur half way through building construction

Demolition - Existing 110,143 sf building on site to be demolished

Architectural Coating - Updated per BAAQMD Rules

Vehicle Trips - Trip rate adjusted per Hexagon TIA July 2021

Area Coating - Adjusted per BBAQMD rules

Energy Use -

| Table Name | Column Name | Default Value | New Value |
|---------------------------|---------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 150.00 | 100.00 |
| tblArchitecturalCoating | EF_Parking | 150.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 150.00 | 100.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 150 | 100 |
| tblAreaCoating | Area_EF_Parking | 150 | 100 |
| tblConstructionPhase | NumDays | 20.00 | 115.00 |
| tblLandUse | LotAcreage | 0.14 | 1.00 |
| tblLandUse | LotAcreage | 2.77 | 3.00 |
| tblLandUse | LotAcreage | 0.54 | 3.00 |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029 | 0.034 |
| tblProjectCharacteristics | CO2IntensityFactor | 641.35 | 264.88 |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006 | 0.004 |
| tblVehicleTrips | WD_TR | 6.97 | 1.74 |
| tblVehicleTrips | WD_TR | 11.03 | 1.74 |

2.0 Emissions Summary

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 3.0477 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | 0.0436 |
| Energy | 0.0971 | 0.8823 | 0.7412 | 5.2900e-003 | | 0.0671 | 0.0671 | | 0.0671 | 0.0671 | | 1,058.7990 | 1,058.7990 | 0.0203 | 0.0194 | 1,065.0910 |
| Mobile | 0.3794 | 1.6514 | 4.2797 | 0.0160 | 1.3787 | 0.0136 | 1.3922 | 0.3689 | 0.0127 | 0.3816 | | 1,619.7308 | 1,619.7308 | 0.0545 | | 1,621.0937 |
| Total | 3.5241 | 2.5339 | 5.0399 | 0.0213 | 1.3787 | 0.0807 | 1.4594 | 0.3689 | 0.0798 | 0.4487 | | 2,678.5708 | 2,678.5708 | 0.0749 | 0.0194 | 2,686.2282 |

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 | 3.0477 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | 0.0436 |
| Energy | 0.0971 | 0.8823 | 0.7412 | 5.2900e-003 | | 0.0671 | 0.0671 | | 0.0671 | 0.0671 | | 1,058.7990 | 1,058.7990 | 0.0203 | 0.0194 | 1,065.0910 |
| Mobile | 0.3794 | 1.6514 | 4.2797 | 0.0160 | 1.3787 | 0.0136 | 1.3922 | 0.3689 | 0.0127 | 0.3816 | | 1,619.7308 | 1,619.7308 | 0.0545 | | 1,621.0937 |
| Total | 3.5241 | 2.5339 | 5.0399 | 0.0213 | 1.3787 | 0.0807 | 1.4594 | 0.3689 | 0.0798 | 0.4487 | | 2,678.5708 | 2,678.5708 | 0.0749 | 0.0194 | 2,686.2282 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Demolition | Demolition | 6/1/2021 | 6/28/2021 | 5 | 20 | |
| 2 | Site Preparation | Site Preparation | 6/29/2021 | 7/12/2021 | 5 | 10 | |
| 3 | Grading | Grading | 7/13/2021 | 8/9/2021 | 5 | 20 | |
| 4 | Building Construction | Building Construction | 8/10/2021 | 6/27/2022 | 5 | 230 | |
| 5 | Architectural Coating | Architectural Coating | 3/1/2022 | 8/8/2022 | 5 | 115 | |
| 6 | Paving | Paving | 6/28/2022 | 7/25/2022 | 5 | 20 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 190,200; Non-Residential Outdoor: 63,400; Striped Parking Area: 1,440 (Architectural Coating – sqft)

OffRoad Equipment

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

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

Trips and VMT

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 6 | 15.00 | 0.00 | 501.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 63.00 | 25.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 13.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 5.4210 | 0.0000 | 5.4210 | 0.8208 | 0.0000 | 0.8208 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.1651 | 31.4407 | 21.5650 | 0.0388 | | 1.5513 | 1.5513 | | 1.4411 | 1.4411 | | 3,747.9449 | 3,747.9449 | 1.0549 | | 3,774.3174 |
| Total | 3.1651 | 31.4407 | 21.5650 | 0.0388 | 5.4210 | 1.5513 | 6.9723 | 0.8208 | 1.4411 | 2.2619 | | 3,747.9449 | 3,747.9449 | 1.0549 | | 3,774.3174 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

3.2 Demolition - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.1951 | 6.6282 | 1.3972 | 0.0197 | 0.4377 | 0.0208 | 0.4584 | 0.1199 | 0.0199 | 0.1398 | | 2,103.9738 | 2,103.9738 | 0.1044 | | 2,106.5839 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0482 | 0.0282 | 0.3685 | 1.1900e-003 | 0.1232 | 7.8000e-004 | 0.1240 | 0.0327 | 7.1000e-004 | 0.0334 | | 118.7939 | 118.7939 | 2.6600e-003 | | 118.8603 |
| Total | 0.2433 | 6.6564 | 1.7657 | 0.0209 | 0.5609 | 0.0216 | 0.5824 | 0.1526 | 0.0206 | 0.1732 | | 2,222.7678 | 2,222.7678 | 0.1071 | | 2,225.4442 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 5.4210 | 0.0000 | 5.4210 | 0.8208 | 0.0000 | 0.8208 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.1651 | 31.4407 | 21.5650 | 0.0388 | | 1.5513 | 1.5513 | | 1.4411 | 1.4411 | 0.0000 | 3,747.9449 | 3,747.9449 | 1.0549 | | 3,774.3174 |
| Total | 3.1651 | 31.4407 | 21.5650 | 0.0388 | 5.4210 | 1.5513 | 6.9723 | 0.8208 | 1.4411 | 2.2619 | 0.0000 | 3,747.9449 | 3,747.9449 | 1.0549 | | 3,774.3174 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

3.2 Demolition - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.1951 | 6.6282 | 1.3972 | 0.0197 | 0.4377 | 0.0208 | 0.4584 | 0.1199 | 0.0199 | 0.1398 | | 2,103.9738 | 2,103.9738 | 0.1044 | | 2,106.5839 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0482 | 0.0282 | 0.3685 | 1.1900e-003 | 0.1232 | 7.8000e-004 | 0.1240 | 0.0327 | 7.1000e-004 | 0.0334 | | 118.7939 | 118.7939 | 2.6600e-003 | | 118.8603 |
| Total | 0.2433 | 6.6564 | 1.7657 | 0.0209 | 0.5609 | 0.0216 | 0.5824 | 0.1526 | 0.0206 | 0.1732 | | 2,222.7678 | 2,222.7678 | 0.1071 | | 2,225.4442 |

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.8882 | 40.4971 | 21.1543 | 0.0380 | | 2.0445 | 2.0445 | | 1.8809 | 1.8809 | | 3,685.6569 | 3,685.6569 | 1.1920 | | 3,715.4573 |
| Total | 3.8882 | 40.4971 | 21.1543 | 0.0380 | 18.0663 | 2.0445 | 20.1107 | 9.9307 | 1.8809 | 11.8116 | | 3,685.6569 | 3,685.6569 | 1.1920 | | 3,715.4573 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0579 | 0.0338 | 0.4421 | 1.4300e-003 | 0.1479 | 9.3000e-004 | 0.1488 | 0.0392 | 8.6000e-004 | 0.0401 | | 142.5527 | 142.5527 | 3.1900e-003 | | 142.6324 |
| Total | 0.0579 | 0.0338 | 0.4421 | 1.4300e-003 | 0.1479 | 9.3000e-004 | 0.1488 | 0.0392 | 8.6000e-004 | 0.0401 | | 142.5527 | 142.5527 | 3.1900e-003 | | 142.6324 |

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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.8882 | 40.4971 | 21.1543 | 0.0380 | | 2.0445 | 2.0445 | | 1.8809 | 1.8809 | 0.0000 | 3,685.6569 | 3,685.6569 | 1.1920 | | 3,715.4573 |
| Total | 3.8882 | 40.4971 | 21.1543 | 0.0380 | 18.0663 | 2.0445 | 20.1107 | 9.9307 | 1.8809 | 11.8116 | 0.0000 | 3,685.6569 | 3,685.6569 | 1.1920 | | 3,715.4573 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0579 | 0.0338 | 0.4421 | 1.4300e-003 | 0.1479 | 9.3000e-004 | 0.1488 | 0.0392 | 8.6000e-004 | 0.0401 | | 142.5527 | 142.5527 | 3.1900e-003 | | 142.6324 |
| Total | 0.0579 | 0.0338 | 0.4421 | 1.4300e-003 | 0.1479 | 9.3000e-004 | 0.1488 | 0.0392 | 8.6000e-004 | 0.0401 | | 142.5527 | 142.5527 | 3.1900e-003 | | 142.6324 |

3.4 Grading - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2903 | 24.7367 | 15.8575 | 0.0296 | | 1.1599 | 1.1599 | | 1.0671 | 1.0671 | | 2,871.9285 | 2,871.9285 | 0.9288 | | 2,895.1495 |
| Total | 2.2903 | 24.7367 | 15.8575 | 0.0296 | 6.5523 | 1.1599 | 7.7123 | 3.3675 | 1.0671 | 4.4346 | | 2,871.9285 | 2,871.9285 | 0.9288 | | 2,895.1495 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

3.4 Grading - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0482 | 0.0282 | 0.3685 | 1.1900e-003 | 0.1232 | 7.8000e-004 | 0.1240 | 0.0327 | 7.1000e-004 | 0.0334 | | 118.7939 | 118.7939 | 2.6600e-003 | | 118.8603 |
| Total | 0.0482 | 0.0282 | 0.3685 | 1.1900e-003 | 0.1232 | 7.8000e-004 | 0.1240 | 0.0327 | 7.1000e-004 | 0.0334 | | 118.7939 | 118.7939 | 2.6600e-003 | | 118.8603 |

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 | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2903 | 24.7367 | 15.8575 | 0.0296 | | 1.1599 | 1.1599 | | 1.0671 | 1.0671 | 0.0000 | 2,871.9285 | 2,871.9285 | 0.9288 | | 2,895,1495 |
| Total | 2.2903 | 24.7367 | 15.8575 | 0.0296 | 6.5523 | 1.1599 | 7.7123 | 3.3675 | 1.0671 | 4.4346 | 0.0000 | 2,871.9285 | 2,871.9285 | 0.9288 | | 2,895,1495 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

3.4 Grading - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0482 | 0.0282 | 0.3685 | 1.1900e-003 | 0.1232 | 7.8000e-004 | 0.1240 | 0.0327 | 7.1000e-004 | 0.0334 | | 118.7939 | 118.7939 | 2.6600e-003 | | 118.8603 |
| Total | 0.0482 | 0.0282 | 0.3685 | 1.1900e-003 | 0.1232 | 7.8000e-004 | 0.1240 | 0.0327 | 7.1000e-004 | 0.0334 | | 118.7939 | 118.7939 | 2.6600e-003 | | 118.8603 |

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | 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 | 0.0775 | 2.5835 | 0.6092 | 6.8200e-003 | 0.1692 | 5.6000e-003 | 0.1748 | 0.0487 | 5.3500e-003 | 0.0541 | | 722.3964 | 722.3964 | 0.0339 | | 723.2440 |
| Worker | 0.2026 | 0.1184 | 1.5475 | 5.0000e-003 | 0.5175 | 3.2600e-003 | 0.5208 | 0.1373 | 3.0000e-003 | 0.1403 | | 498.9345 | 498.9345 | 0.0112 | | 499.2133 |
| Total | 0.2801 | 2.7019 | 2.1567 | 0.0118 | 0.6868 | 8.8600e-003 | 0.6956 | 0.1860 | 8.3500e-003 | 0.1943 | | 1,221.3309 | 1,221.3309 | 0.0451 | | 1,222.4573 |

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 | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 | 0.0000 | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |
| Total | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 | 0.0000 | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

3.5 Building Construction - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | 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 | 0.0775 | 2.5835 | 0.6092 | 6.8200e-003 | 0.1692 | 5.6000e-003 | 0.1748 | 0.0487 | 5.3500e-003 | 0.0541 | | 722.3964 | 722.3964 | 0.0339 | | 723.2440 |
| Worker | 0.2026 | 0.1184 | 1.5475 | 5.0000e-003 | 0.5175 | 3.2600e-003 | 0.5208 | 0.1373 | 3.0000e-003 | 0.1403 | | 498.9345 | 498.9345 | 0.0112 | | 499.2133 |
| Total | 0.2801 | 2.7019 | 2.1567 | 0.0118 | 0.6868 | 8.8600e-003 | 0.6956 | 0.1860 | 8.3500e-003 | 0.1943 | | 1,221.3309 | 1,221.3309 | 0.0451 | | 1,222.4573 |

3.5 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 | 1.7062 | 15.6156 | 16.3634 | 0.0269 | | 0.8090 | 0.8090 | | 0.7612 | 0.7612 | | 2,554.3336 | 2,554.3336 | 0.6120 | | 2,569.6322 |
| Total | 1.7062 | 15.6156 | 16.3634 | 0.0269 | | 0.8090 | 0.8090 | | 0.7612 | 0.7612 | | 2,554.3336 | 2,554.3336 | 0.6120 | | 2,569.6322 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

3.5 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 | 0.0723 | 2.4485 | 0.5730 | 6.7500e-003 | 0.1692 | 4.8500e-003 | 0.1741 | 0.0487 | 4.6400e-003 | 0.0534 | | 715.3613 | 715.3613 | 0.0324 | | 716.1717 |
| Worker | 0.1885 | 0.1062 | 1.4259 | 4.8200e-003 | 0.5175 | 3.1800e-003 | 0.5207 | 0.1373 | 2.9300e-003 | 0.1402 | | 480.6241 | 480.6241 | 0.0100 | | 480.8745 |
| Total | 0.2609 | 2.5547 | 1.9989 | 0.0116 | 0.6868 | 8.0300e-003 | 0.6948 | 0.1860 | 7.5700e-003 | 0.1936 | | 1,195.9853 | 1,195.9853 | 0.0424 | | 1,197.0462 |

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 | 1.7062 | 15.6156 | 16.3634 | 0.0269 | | 0.8090 | 0.8090 | | 0.7612 | 0.7612 | 0.0000 | 2,554.3336 | 2,554.3336 | 0.6120 | | 2,569.6322 |
| Total | 1.7062 | 15.6156 | 16.3634 | 0.0269 | | 0.8090 | 0.8090 | | 0.7612 | 0.7612 | 0.0000 | 2,554.3336 | 2,554.3336 | 0.6120 | | 2,569.6322 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

3.5 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 | 0.0723 | 2.4485 | 0.5730 | 6.7500e-003 | 0.1692 | 4.8500e-003 | 0.1741 | 0.0487 | 4.6400e-003 | 0.0534 | | 715.3613 | 715.3613 | 0.0324 | | 716.1717 |
| Worker | 0.1885 | 0.1062 | 1.4259 | 4.8200e-003 | 0.5175 | 3.1800e-003 | 0.5207 | 0.1373 | 2.9300e-003 | 0.1402 | | 480.6241 | 480.6241 | 0.0100 | | 480.8745 |
| Total | 0.2609 | 2.5547 | 1.9989 | 0.0116 | 0.6868 | 8.0300e-003 | 0.6948 | 0.1860 | 7.5700e-003 | 0.1936 | | 1,195.9853 | 1,195.9853 | 0.0424 | | 1,197.0462 |

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 | 10.2792 | | | | | 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 | 10.4838 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |

1953 Concourse Drive Project - Bay Area AQMD Air District, 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 | 0.0389 | 0.0219 | 0.2942 | 9.9000e-004 | 0.1068 | 6.6000e-004 | 0.1075 | 0.0283 | 6.0000e-004 | 0.0289 | | 99.1764 | 99.1764 | 2.0700e-003 | | 99.2281 |
| Total | 0.0389 | 0.0219 | 0.2942 | 9.9000e-004 | 0.1068 | 6.6000e-004 | 0.1075 | 0.0283 | 6.0000e-004 | 0.0289 | | 99.1764 | 99.1764 | 2.0700e-003 | | 99.2281 |

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 | 10.2792 | | | | | 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 | 10.4838 | 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 |

1953 Concourse Drive Project - Bay Area AQMD Air District, 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 | 0.0389 | 0.0219 | 0.2942 | 9.9000e-004 | 0.1068 | 6.6000e-004 | 0.1075 | 0.0283 | 6.0000e-004 | 0.0289 | | 99.1764 | 99.1764 | 2.0700e-003 | | 99.2281 |
| Total | 0.0389 | 0.0219 | 0.2942 | 9.9000e-004 | 0.1068 | 6.6000e-004 | 0.1075 | 0.0283 | 6.0000e-004 | 0.0289 | | 99.1764 | 99.1764 | 2.0700e-003 | | 99.2281 |

3.7 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 | 1.1028 | 11.1249 | 14.5805 | 0.0228 | | 0.5679 | 0.5679 | | 0.5225 | 0.5225 | | 2,207.6603 | 2,207.6603 | 0.7140 | | 2,225.5104 |
| Paving | 0.3930 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.4958 | 11.1249 | 14.5805 | 0.0228 | | 0.5679 | 0.5679 | | 0.5225 | 0.5225 | | 2,207.6603 | 2,207.6603 | 0.7140 | | 2,225.5104 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

3.7 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 | 0.0449 | 0.0253 | 0.3395 | 1.1500e-003 | 0.1232 | 7.6000e-004 | 0.1240 | 0.0327 | 7.0000e-004 | 0.0334 | | 114.4343 | 114.4343 | 2.3800e-003 | | 114.4939 |
| Total | 0.0449 | 0.0253 | 0.3395 | 1.1500e-003 | 0.1232 | 7.6000e-004 | 0.1240 | 0.0327 | 7.0000e-004 | 0.0334 | | 114.4343 | 114.4343 | 2.3800e-003 | | 114.4939 |

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 | 1.1028 | 11.1249 | 14.5805 | 0.0228 | | 0.5679 | 0.5679 | | 0.5225 | 0.5225 | 0.0000 | 2,207.6603 | 2,207.6603 | 0.7140 | | 2,225.5104 |
| Paving | 0.3930 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.4958 | 11.1249 | 14.5805 | 0.0228 | | 0.5679 | 0.5679 | | 0.5225 | 0.5225 | 0.0000 | 2,207.6603 | 2,207.6603 | 0.7140 | | 2,225.5104 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

3.7 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 | 0.0449 | 0.0253 | 0.3395 | 1.1500e-003 | 0.1232 | 7.6000e-004 | 0.1240 | 0.0327 | 7.0000e-004 | 0.0334 | | 114.4343 | 114.4343 | 2.3800e-003 | | 114.4939 |
| Total | 0.0449 | 0.0253 | 0.3395 | 1.1500e-003 | 0.1232 | 7.6000e-004 | 0.1240 | 0.0327 | 7.0000e-004 | 0.0334 | | 114.4343 | 114.4343 | 2.3800e-003 | | 114.4939 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.3794 | 1.6514 | 4.2797 | 0.0160 | 1.3787 | 0.0136 | 1.3922 | 0.3689 | 0.0127 | 0.3816 | | 1,619.7308 | 1,619.7308 | 0.0545 | | 1,621.0937 |
| Unmitigated | 0.3794 | 1.6514 | 4.2797 | 0.0160 | 1.3787 | 0.0136 | 1.3922 | 0.3689 | 0.0127 | 0.3816 | | 1,619.7308 | 1,619.7308 | 0.0545 | | 1,621.0937 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|-------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 210.19 | 159.46 | 82.14 | 539,092 | 539,092 |
| General Office Building | 10.44 | 14.76 | 6.30 | 25,010 | 25,010 |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 220.63 | 174.22 | 88.44 | 564,102 | 564,102 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.576985 | 0.039376 | 0.193723 | 0.112069 | 0.016317 | 0.005358 | 0.017943 | 0.025814 | 0.002614 | 0.002274 | 0.005874 | 0.000887 | 0.000768 |
| General Office Building | 0.576985 | 0.039376 | 0.193723 | 0.112069 | 0.016317 | 0.005358 | 0.017943 | 0.025814 | 0.002614 | 0.002274 | 0.005874 | 0.000887 | 0.000768 |
| Parking Lot | 0.576985 | 0.039376 | 0.193723 | 0.112069 | 0.016317 | 0.005358 | 0.017943 | 0.025814 | 0.002614 | 0.002274 | 0.005874 | 0.000887 | 0.000768 |

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 | 0.0971 | 0.8823 | 0.7412 | 5.2900e-003 | | 0.0671 | 0.0671 | | 0.0671 | 0.0671 | | 1,058.7990 | 1,058.7990 | 0.0203 | 0.0194 | 1,065.0910 |
| NaturalGas Unmitigated | 0.0971 | 0.8823 | 0.7412 | 5.2900e-003 | | 0.0671 | 0.0671 | | 0.0671 | 0.0671 | | 1,058.7990 | 1,058.7990 | 0.0203 | 0.0194 | 1,065.0910 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Summer

5.2 Energy by Land Use - Natural Gas

Unmitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 8730.7 | 0.0942 | 0.8560 | 0.7190 | 5.1400e-003 | | 0.0651 | 0.0651 | | 0.0651 | 0.0651 | | 1,027.1407 | 1,027.1407 | 0.0197 | 0.0188 | 1,033.2445 |
| General Office Building | 269.096 | 2.9000e-003 | 0.0264 | 0.0222 | 1.6000e-004 | | 2.0100e-003 | 2.0100e-003 | | 2.0100e-003 | 2.0100e-003 | | 31.6583 | 31.6583 | 6.1000e-004 | 5.8000e-004 | 31.8465 |
| 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 | | 0.0971 | 0.8823 | 0.7412 | 5.3000e-003 | | 0.0671 | 0.0671 | | 0.0671 | 0.0671 | | 1,058.7990 | 1,058.7990 | 0.0203 | 0.0194 | 1,065.0910 |

Mitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 8.7307 | 0.0942 | 0.8560 | 0.7190 | 5.1400e-003 | | 0.0651 | 0.0651 | | 0.0651 | 0.0651 | | 1,027.1407 | 1,027.1407 | 0.0197 | 0.0188 | 1,033.2445 |
| General Office Building | 0.269096 | 2.9000e-003 | 0.0264 | 0.0222 | 1.6000e-004 | | 2.0100e-003 | 2.0100e-003 | | 2.0100e-003 | 2.0100e-003 | | 31.6583 | 31.6583 | 6.1000e-004 | 5.8000e-004 | 31.8465 |
| 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 | | 0.0971 | 0.8823 | 0.7412 | 5.3000e-003 | | 0.0671 | 0.0671 | | 0.0671 | 0.0671 | | 1,058.7990 | 1,058.7990 | 0.0203 | 0.0194 | 1,065.0910 |

6.0 Area Detail

1953 Concourse Drive Project - Bay Area AQMD Air District, 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 | 3.0477 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | 0.0436 |
| Unmitigated | 3.0477 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | 0.0436 |

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 | 0.3239 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.7220 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.7800e-003 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | 0.0436 |
| Total | 3.0477 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | 0.0436 |

1953 Concourse Drive Project - Bay Area AQMD Air District, 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 | 0.3239 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.7220 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.7800e-003 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | 0.0436 |
| Total | 3.0477 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | 0.0436 |

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

1953 Concourse Drive Project - Bay Area AQMD Air District, 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

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

1953 Concourse Drive Project
Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------|--------|----------|-------------|--------------------|------------|
| General Office Building | 6.00 | 1000sqft | 1.00 | 6,000.00 | 0 |
| General Light Industry | 120.80 | 1000sqft | 3.00 | 120,800.00 | 0 |
| Parking Lot | 60.00 | Space | 3.00 | 24,000.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 64 |
| Climate Zone | 4 | | | Operational Year | 2022 |
| Utility Company | Pacific Gas & Electric Company | | | | |
| CO2 Intensity (lb/MW hr) | 264.88 | CH4 Intensity (lb/MW hr) | 0.034 | N2O Intensity (lb/MW hr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

Project Characteristics - Energy intensity factors adjusted for 2022

Land Use - Adjusted lot acreage to total 7 acres

Construction Phase - Arch. coating adjusted to occur half way through building construction

Demolition - Existing 110,143 sf building on site to be demolished

Architectural Coating - Updated per BAAQMD Rules

Vehicle Trips - Trip rate adjusted per Hexagon TIA July 2021

Area Coating - Adjusted per BBAQMD rules

Energy Use -

| Table Name | Column Name | Default Value | New Value |
|---------------------------|---------------------------------|---------------|-----------|
| tblArchitecturalCoating | EF_Nonresidential_Exterior | 150.00 | 100.00 |
| tblArchitecturalCoating | EF_Parking | 150.00 | 100.00 |
| tblArchitecturalCoating | EF_Residential_Exterior | 150.00 | 100.00 |
| tblAreaCoating | Area_EF_Nonresidential_Exterior | 150 | 100 |
| tblAreaCoating | Area_EF_Parking | 150 | 100 |
| tblConstructionPhase | NumDays | 20.00 | 115.00 |
| tblLandUse | LotAcreage | 0.14 | 1.00 |
| tblLandUse | LotAcreage | 2.77 | 3.00 |
| tblLandUse | LotAcreage | 0.54 | 3.00 |
| tblProjectCharacteristics | CH4IntensityFactor | 0.029 | 0.034 |
| tblProjectCharacteristics | CO2IntensityFactor | 641.35 | 264.88 |
| tblProjectCharacteristics | N2OIntensityFactor | 0.006 | 0.004 |
| tblVehicleTrips | WD_TR | 6.97 | 1.74 |
| tblVehicleTrips | WD_TR | 11.03 | 1.74 |

2.0 Emissions Summary

1953 Concourse Drive Project - Bay Area AQMD Air District, 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 | 3.0477 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | 0.0436 |
| Energy | 0.0971 | 0.8823 | 0.7412 | 5.2900e-003 | | 0.0671 | 0.0671 | | 0.0671 | 0.0671 | | 1,058.7990 | 1,058.7990 | 0.0203 | 0.0194 | 1,065.0910 |
| Mobile | 0.3318 | 1.7421 | 4.2330 | 0.0150 | 1.3787 | 0.0137 | 1.3923 | 0.3689 | 0.0128 | 0.3816 | | 1,517.0168 | 1,517.0168 | 0.0551 | | 1,518.3951 |
| Total | 3.4765 | 2.6246 | 4.9933 | 0.0203 | 1.3787 | 0.0808 | 1.4595 | 0.3689 | 0.0799 | 0.4488 | | 2,575.8567 | 2,575.8567 | 0.0755 | 0.0194 | 2,583.5296 |

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 | 3.0477 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | 0.0436 |
| Energy | 0.0971 | 0.8823 | 0.7412 | 5.2900e-003 | | 0.0671 | 0.0671 | | 0.0671 | 0.0671 | | 1,058.7990 | 1,058.7990 | 0.0203 | 0.0194 | 1,065.0910 |
| Mobile | 0.3318 | 1.7421 | 4.2330 | 0.0150 | 1.3787 | 0.0137 | 1.3923 | 0.3689 | 0.0128 | 0.3816 | | 1,517.0168 | 1,517.0168 | 0.0551 | | 1,518.3951 |
| Total | 3.4765 | 2.6246 | 4.9933 | 0.0203 | 1.3787 | 0.0808 | 1.4595 | 0.3689 | 0.0799 | 0.4488 | | 2,575.8567 | 2,575.8567 | 0.0755 | 0.0194 | 2,583.5296 |

1953 Concourse Drive Project - Bay Area AQMD Air District, 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 | Demolition | Demolition | 6/1/2021 | 6/28/2021 | 5 | 20 | |
| 2 | Site Preparation | Site Preparation | 6/29/2021 | 7/12/2021 | 5 | 10 | |
| 3 | Grading | Grading | 7/13/2021 | 8/9/2021 | 5 | 20 | |
| 4 | Building Construction | Building Construction | 8/10/2021 | 6/27/2022 | 5 | 230 | |
| 5 | Architectural Coating | Architectural Coating | 3/1/2022 | 8/8/2022 | 5 | 115 | |
| 6 | Paving | Paving | 6/28/2022 | 7/25/2022 | 5 | 20 | |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 190,200; Non-Residential Outdoor: 63,400; Striped Parking Area: 1,440 (Architectural Coating – sqft)

OffRoad Equipment

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

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

Trips and VMT

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition | 6 | 15.00 | 0.00 | 501.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 63.00 | 25.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 13.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 5.4210 | 0.0000 | 5.4210 | 0.8208 | 0.0000 | 0.8208 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.1651 | 31.4407 | 21.5650 | 0.0388 | | 1.5513 | 1.5513 | | 1.4411 | 1.4411 | | 3,747.9449 | 3,747.9449 | 1.0549 | | 3,774.3174 |
| Total | 3.1651 | 31.4407 | 21.5650 | 0.0388 | 5.4210 | 1.5513 | 6.9723 | 0.8208 | 1.4411 | 2.2619 | | 3,747.9449 | 3,747.9449 | 1.0549 | | 3,774.3174 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

3.2 Demolition - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.2004 | 6.7832 | 1.5000 | 0.0193 | 0.4377 | 0.0212 | 0.4588 | 0.1199 | 0.0202 | 0.1402 | | 2,068.4050 | 2,068.4050 | 0.1095 | | 2,071.1419 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0511 | 0.0348 | 0.3447 | 1.1000e-003 | 0.1232 | 7.8000e-004 | 0.1240 | 0.0327 | 7.1000e-004 | 0.0334 | | 109.4305 | 109.4305 | 2.4800e-003 | | 109.4924 |
| Total | 0.2515 | 6.8180 | 1.8447 | 0.0204 | 0.5609 | 0.0219 | 0.5828 | 0.1526 | 0.0210 | 0.1736 | | 2,177.8355 | 2,177.8355 | 0.1120 | | 2,180.6343 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 5.4210 | 0.0000 | 5.4210 | 0.8208 | 0.0000 | 0.8208 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.1651 | 31.4407 | 21.5650 | 0.0388 | | 1.5513 | 1.5513 | | 1.4411 | 1.4411 | 0.0000 | 3,747.9449 | 3,747.9449 | 1.0549 | | 3,774.3174 |
| Total | 3.1651 | 31.4407 | 21.5650 | 0.0388 | 5.4210 | 1.5513 | 6.9723 | 0.8208 | 1.4411 | 2.2619 | 0.0000 | 3,747.9449 | 3,747.9449 | 1.0549 | | 3,774.3174 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

3.2 Demolition - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.2004 | 6.7832 | 1.5000 | 0.0193 | 0.4377 | 0.0212 | 0.4588 | 0.1199 | 0.0202 | 0.1402 | | 2,068.4050 | 2,068.4050 | 0.1095 | | 2,071.1419 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0511 | 0.0348 | 0.3447 | 1.1000e-003 | 0.1232 | 7.8000e-004 | 0.1240 | 0.0327 | 7.1000e-004 | 0.0334 | | 109.4305 | 109.4305 | 2.4800e-003 | | 109.4924 |
| Total | 0.2515 | 6.8180 | 1.8447 | 0.0204 | 0.5609 | 0.0219 | 0.5828 | 0.1526 | 0.0210 | 0.1736 | | 2,177.8355 | 2,177.8355 | 0.1120 | | 2,180.6343 |

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.8882 | 40.4971 | 21.1543 | 0.0380 | | 2.0445 | 2.0445 | | 1.8809 | 1.8809 | | 3,685.6569 | 3,685.6569 | 1.1920 | | 3,715.4573 |
| Total | 3.8882 | 40.4971 | 21.1543 | 0.0380 | 18.0663 | 2.0445 | 20.1107 | 9.9307 | 1.8809 | 11.8116 | | 3,685.6569 | 3,685.6569 | 1.1920 | | 3,715.4573 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0613 | 0.0418 | 0.4137 | 1.3200e-003 | 0.1479 | 9.3000e-004 | 0.1488 | 0.0392 | 8.6000e-004 | 0.0401 | | 131.3166 | 131.3166 | 2.9700e-003 | | 131.3909 |
| Total | 0.0613 | 0.0418 | 0.4137 | 1.3200e-003 | 0.1479 | 9.3000e-004 | 0.1488 | 0.0392 | 8.6000e-004 | 0.0401 | | 131.3166 | 131.3166 | 2.9700e-003 | | 131.3909 |

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 | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 3.8882 | 40.4971 | 21.1543 | 0.0380 | | 2.0445 | 2.0445 | | 1.8809 | 1.8809 | 0.0000 | 3,685.6569 | 3,685.6569 | 1.1920 | | 3,715.4573 |
| Total | 3.8882 | 40.4971 | 21.1543 | 0.0380 | 18.0663 | 2.0445 | 20.1107 | 9.9307 | 1.8809 | 11.8116 | 0.0000 | 3,685.6569 | 3,685.6569 | 1.1920 | | 3,715.4573 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0613 | 0.0418 | 0.4137 | 1.3200e-003 | 0.1479 | 9.3000e-004 | 0.1488 | 0.0392 | 8.6000e-004 | 0.0401 | | 131.3166 | 131.3166 | 2.9700e-003 | | 131.3909 |
| Total | 0.0613 | 0.0418 | 0.4137 | 1.3200e-003 | 0.1479 | 9.3000e-004 | 0.1488 | 0.0392 | 8.6000e-004 | 0.0401 | | 131.3166 | 131.3166 | 2.9700e-003 | | 131.3909 |

3.4 Grading - 2021

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2903 | 24.7367 | 15.8575 | 0.0296 | | 1.1599 | 1.1599 | | 1.0671 | 1.0671 | | 2,871.9285 | 2,871.9285 | 0.9288 | | 2,895.1495 |
| Total | 2.2903 | 24.7367 | 15.8575 | 0.0296 | 6.5523 | 1.1599 | 7.7123 | 3.3675 | 1.0671 | 4.4346 | | 2,871.9285 | 2,871.9285 | 0.9288 | | 2,895.1495 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

3.4 Grading - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0511 | 0.0348 | 0.3447 | 1.1000e-003 | 0.1232 | 7.8000e-004 | 0.1240 | 0.0327 | 7.1000e-004 | 0.0334 | | 109.4305 | 109.4305 | 2.4800e-003 | | 109.4924 |
| Total | 0.0511 | 0.0348 | 0.3447 | 1.1000e-003 | 0.1232 | 7.8000e-004 | 0.1240 | 0.0327 | 7.1000e-004 | 0.0334 | | 109.4305 | 109.4305 | 2.4800e-003 | | 109.4924 |

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 | | | | | 6.5523 | 0.0000 | 6.5523 | 3.3675 | 0.0000 | 3.3675 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.2903 | 24.7367 | 15.8575 | 0.0296 | | 1.1599 | 1.1599 | | 1.0671 | 1.0671 | 0.0000 | 2,871.9285 | 2,871.9285 | 0.9288 | | 2,895,1495 |
| Total | 2.2903 | 24.7367 | 15.8575 | 0.0296 | 6.5523 | 1.1599 | 7.7123 | 3.3675 | 1.0671 | 4.4346 | 0.0000 | 2,871.9285 | 2,871.9285 | 0.9288 | | 2,895,1495 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

3.4 Grading - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category | 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 | 0.0511 | 0.0348 | 0.3447 | 1.1000e-003 | 0.1232 | 7.8000e-004 | 0.1240 | 0.0327 | 7.1000e-004 | 0.0334 | | 109.4305 | 109.4305 | 2.4800e-003 | | 109.4924 |
| Total | 0.0511 | 0.0348 | 0.3447 | 1.1000e-003 | 0.1232 | 7.8000e-004 | 0.1240 | 0.0327 | 7.1000e-004 | 0.0334 | | 109.4305 | 109.4305 | 2.4800e-003 | | 109.4924 |

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | 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 | 0.0821 | 2.6058 | 0.7002 | 6.6500e-003 | 0.1692 | 5.7900e-003 | 0.1750 | 0.0487 | 5.5400e-003 | 0.0543 | | 704.0679 | 704.0679 | 0.0367 | | 704.9849 |
| Worker | 0.2146 | 0.1462 | 1.4478 | 4.6100e-003 | 0.5175 | 3.2600e-003 | 0.5208 | 0.1373 | 3.0000e-003 | 0.1403 | | 459.6081 | 459.6081 | 0.0104 | | 459.8681 |
| Total | 0.2967 | 2.7520 | 2.1480 | 0.0113 | 0.6868 | 9.0500e-003 | 0.6958 | 0.1860 | 8.5400e-003 | 0.1945 | | 1,163.6760 | 1,163.6760 | 0.0471 | | 1,164.8530 |

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 | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 | 0.0000 | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |
| Total | 1.9009 | 17.4321 | 16.5752 | 0.0269 | | 0.9586 | 0.9586 | | 0.9013 | 0.9013 | 0.0000 | 2,553.3639 | 2,553.3639 | 0.6160 | | 2,568.7643 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

3.5 Building Construction - 2021

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category | 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 | 0.0821 | 2.6058 | 0.7002 | 6.6500e-003 | 0.1692 | 5.7900e-003 | 0.1750 | 0.0487 | 5.5400e-003 | 0.0543 | | 704.0679 | 704.0679 | 0.0367 | | 704.9849 |
| Worker | 0.2146 | 0.1462 | 1.4478 | 4.6100e-003 | 0.5175 | 3.2600e-003 | 0.5208 | 0.1373 | 3.0000e-003 | 0.1403 | | 459.6081 | 459.6081 | 0.0104 | | 459.8681 |
| Total | 0.2967 | 2.7520 | 2.1480 | 0.0113 | 0.6868 | 9.0500e-003 | 0.6958 | 0.1860 | 8.5400e-003 | 0.1945 | | 1,163.6760 | 1,163.6760 | 0.0471 | | 1,164.8530 |

3.5 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 | 1.7062 | 15.6156 | 16.3634 | 0.0269 | | 0.8090 | 0.8090 | | 0.7612 | 0.7612 | | 2,554.3336 | 2,554.3336 | 0.6120 | | 2,569.6322 |
| Total | 1.7062 | 15.6156 | 16.3634 | 0.0269 | | 0.8090 | 0.8090 | | 0.7612 | 0.7612 | | 2,554.3336 | 2,554.3336 | 0.6120 | | 2,569.6322 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

3.5 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 | 0.0766 | 2.4670 | 0.6583 | 6.5800e-003 | 0.1692 | 5.0300e-003 | 0.1743 | 0.0487 | 4.8100e-003 | 0.0535 | | 697.0973 | 697.0973 | 0.0350 | | 697.9733 |
| Worker | 0.2003 | 0.1311 | 1.3286 | 4.4400e-003 | 0.5175 | 3.1800e-003 | 0.5207 | 0.1373 | 2.9300e-003 | 0.1402 | | 442.7590 | 442.7590 | 9.3100e-003 | | 442.9918 |
| Total | 0.2769 | 2.5981 | 1.9868 | 0.0110 | 0.6868 | 8.2100e-003 | 0.6950 | 0.1860 | 7.7400e-003 | 0.1937 | | 1,139.8562 | 1,139.8562 | 0.0444 | | 1,140.9650 |

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 | 1.7062 | 15.6156 | 16.3634 | 0.0269 | | 0.8090 | 0.8090 | | 0.7612 | 0.7612 | 0.0000 | 2,554.3336 | 2,554.3336 | 0.6120 | | 2,569.6322 |
| Total | 1.7062 | 15.6156 | 16.3634 | 0.0269 | | 0.8090 | 0.8090 | | 0.7612 | 0.7612 | 0.0000 | 2,554.3336 | 2,554.3336 | 0.6120 | | 2,569.6322 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

3.5 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 | 0.0766 | 2.4670 | 0.6583 | 6.5800e-003 | 0.1692 | 5.0300e-003 | 0.1743 | 0.0487 | 4.8100e-003 | 0.0535 | | 697.0973 | 697.0973 | 0.0350 | | 697.9733 |
| Worker | 0.2003 | 0.1311 | 1.3286 | 4.4400e-003 | 0.5175 | 3.1800e-003 | 0.5207 | 0.1373 | 2.9300e-003 | 0.1402 | | 442.7590 | 442.7590 | 9.3100e-003 | | 442.9918 |
| Total | 0.2769 | 2.5981 | 1.9868 | 0.0110 | 0.6868 | 8.2100e-003 | 0.6950 | 0.1860 | 7.7400e-003 | 0.1937 | | 1,139.8562 | 1,139.8562 | 0.0444 | | 1,140.9650 |

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 | 10.2792 | | | | | 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 | 10.4838 | 1.4085 | 1.8136 | 2.9700e-003 | | 0.0817 | 0.0817 | | 0.0817 | 0.0817 | | 281.4481 | 281.4481 | 0.0183 | | 281.9062 |

1953 Concourse Drive Project - Bay Area AQMD Air District, 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 | 0.0413 | 0.0271 | 0.2742 | 9.2000e-004 | 0.1068 | 6.6000e-004 | 0.1075 | 0.0283 | 6.0000e-004 | 0.0289 | | 91.3630 | 91.3630 | 1.9200e-003 | | 91.4110 |
| Total | 0.0413 | 0.0271 | 0.2742 | 9.2000e-004 | 0.1068 | 6.6000e-004 | 0.1075 | 0.0283 | 6.0000e-004 | 0.0289 | | 91.3630 | 91.3630 | 1.9200e-003 | | 91.4110 |

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 | 10.2792 | | | | | 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 | 10.4838 | 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 |

1953 Concourse Drive Project - Bay Area AQMD Air District, 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 | 0.0413 | 0.0271 | 0.2742 | 9.2000e-004 | 0.1068 | 6.6000e-004 | 0.1075 | 0.0283 | 6.0000e-004 | 0.0289 | | 91.3630 | 91.3630 | 1.9200e-003 | | 91.4110 |
| Total | 0.0413 | 0.0271 | 0.2742 | 9.2000e-004 | 0.1068 | 6.6000e-004 | 0.1075 | 0.0283 | 6.0000e-004 | 0.0289 | | 91.3630 | 91.3630 | 1.9200e-003 | | 91.4110 |

3.7 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 | 1.1028 | 11.1249 | 14.5805 | 0.0228 | | 0.5679 | 0.5679 | | 0.5225 | 0.5225 | | 2,207.6603 | 2,207.6603 | 0.7140 | | 2,225.5104 |
| Paving | 0.3930 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.4958 | 11.1249 | 14.5805 | 0.0228 | | 0.5679 | 0.5679 | | 0.5225 | 0.5225 | | 2,207.6603 | 2,207.6603 | 0.7140 | | 2,225.5104 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

3.7 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 | 0.0477 | 0.0312 | 0.3163 | 1.0600e-003 | 0.1232 | 7.6000e-004 | 0.1240 | 0.0327 | 7.0000e-004 | 0.0334 | | 105.4188 | 105.4188 | 2.2200e-003 | | 105.4742 |
| Total | 0.0477 | 0.0312 | 0.3163 | 1.0600e-003 | 0.1232 | 7.6000e-004 | 0.1240 | 0.0327 | 7.0000e-004 | 0.0334 | | 105.4188 | 105.4188 | 2.2200e-003 | | 105.4742 |

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 | 1.1028 | 11.1249 | 14.5805 | 0.0228 | | 0.5679 | 0.5679 | | 0.5225 | 0.5225 | 0.0000 | 2,207.6603 | 2,207.6603 | 0.7140 | | 2,225.5104 |
| Paving | 0.3930 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.4958 | 11.1249 | 14.5805 | 0.0228 | | 0.5679 | 0.5679 | | 0.5225 | 0.5225 | 0.0000 | 2,207.6603 | 2,207.6603 | 0.7140 | | 2,225.5104 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

3.7 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 | 0.0477 | 0.0312 | 0.3163 | 1.0600e-003 | 0.1232 | 7.6000e-004 | 0.1240 | 0.0327 | 7.0000e-004 | 0.0334 | | 105.4188 | 105.4188 | 2.2200e-003 | | 105.4742 |
| Total | 0.0477 | 0.0312 | 0.3163 | 1.0600e-003 | 0.1232 | 7.6000e-004 | 0.1240 | 0.0327 | 7.0000e-004 | 0.0334 | | 105.4188 | 105.4188 | 2.2200e-003 | | 105.4742 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.3318 | 1.7421 | 4.2330 | 0.0150 | 1.3787 | 0.0137 | 1.3923 | 0.3689 | 0.0128 | 0.3816 | | 1,517.0168 | 1,517.0168 | 0.0551 | | 1,518.3951 |
| Unmitigated | 0.3318 | 1.7421 | 4.2330 | 0.0150 | 1.3787 | 0.0137 | 1.3923 | 0.3689 | 0.0128 | 0.3816 | | 1,517.0168 | 1,517.0168 | 0.0551 | | 1,518.3951 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|-------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| General Light Industry | 210.19 | 159.46 | 82.14 | 539,092 | 539,092 |
| General Office Building | 10.44 | 14.76 | 6.30 | 25,010 | 25,010 |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 220.63 | 174.22 | 88.44 | 564,102 | 564,102 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| General Light Industry | 9.50 | 7.30 | 7.30 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Light Industry | 0.576985 | 0.039376 | 0.193723 | 0.112069 | 0.016317 | 0.005358 | 0.017943 | 0.025814 | 0.002614 | 0.002274 | 0.005874 | 0.000887 | 0.000768 |
| General Office Building | 0.576985 | 0.039376 | 0.193723 | 0.112069 | 0.016317 | 0.005358 | 0.017943 | 0.025814 | 0.002614 | 0.002274 | 0.005874 | 0.000887 | 0.000768 |
| Parking Lot | 0.576985 | 0.039376 | 0.193723 | 0.112069 | 0.016317 | 0.005358 | 0.017943 | 0.025814 | 0.002614 | 0.002274 | 0.005874 | 0.000887 | 0.000768 |

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 | 0.0971 | 0.8823 | 0.7412 | 5.2900e-003 | | 0.0671 | 0.0671 | | 0.0671 | 0.0671 | | 1,058.7990 | 1,058.7990 | 0.0203 | 0.0194 | 1,065.0910 |
| NaturalGas Unmitigated | 0.0971 | 0.8823 | 0.7412 | 5.2900e-003 | | 0.0671 | 0.0671 | | 0.0671 | 0.0671 | | 1,058.7990 | 1,058.7990 | 0.0203 | 0.0194 | 1,065.0910 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

5.2 Energy by Land Use - Natural Gas

Unmitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 8730.7 | 0.0942 | 0.8560 | 0.7190 | 5.1400e-003 | | 0.0651 | 0.0651 | | 0.0651 | 0.0651 | | 1,027.1407 | 1,027.1407 | 0.0197 | 0.0188 | 1,033.2445 |
| General Office Building | 269.096 | 2.9000e-003 | 0.0264 | 0.0222 | 1.6000e-004 | | 2.0100e-003 | 2.0100e-003 | | 2.0100e-003 | 2.0100e-003 | | 31.6583 | 31.6583 | 6.1000e-004 | 5.8000e-004 | 31.8465 |
| 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 | | 0.0971 | 0.8823 | 0.7412 | 5.3000e-003 | | 0.0671 | 0.0671 | | 0.0671 | 0.0671 | | 1,058.7990 | 1,058.7990 | 0.0203 | 0.0194 | 1,065.0910 |

Mitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| General Light Industry | 8.7307 | 0.0942 | 0.8560 | 0.7190 | 5.1400e-003 | | 0.0651 | 0.0651 | | 0.0651 | 0.0651 | | 1,027.1407 | 1,027.1407 | 0.0197 | 0.0188 | 1,033.2445 |
| General Office Building | 0.269096 | 2.9000e-003 | 0.0264 | 0.0222 | 1.6000e-004 | | 2.0100e-003 | 2.0100e-003 | | 2.0100e-003 | 2.0100e-003 | | 31.6583 | 31.6583 | 6.1000e-004 | 5.8000e-004 | 31.8465 |
| 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 | | 0.0971 | 0.8823 | 0.7412 | 5.3000e-003 | | 0.0671 | 0.0671 | | 0.0671 | 0.0671 | | 1,058.7990 | 1,058.7990 | 0.0203 | 0.0194 | 1,065.0910 |

6.0 Area Detail

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

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 | 3.0477 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | | 0.0436 |
| Unmitigated | 3.0477 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | | 0.0436 |

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 | 0.3239 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | | 0.0000 |
| Consumer Products | 2.7220 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | | 0.0000 |
| Landscaping | 1.7800e-003 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | | 0.0436 |
| Total | 3.0477 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | | 0.0436 |

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.3239 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 2.7220 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 1.7800e-003 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | 0.0436 |
| Total | 3.0477 | 1.7000e-004 | 0.0191 | 0.0000 | | 7.0000e-005 | 7.0000e-005 | | 7.0000e-005 | 7.0000e-005 | | 0.0409 | 0.0409 | 1.1000e-004 | | 0.0436 |

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

1953 Concourse Drive Project - Bay Area AQMD Air District, Winter

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

N2O Operational GHG Emission Mobile Calculations

Project Code & Title: 20-10499 Concourse Drive

| Vehicle Population Breakdown* | |
|-------------------------------|--------------------|
| 1319606 | Gasoline vehicles |
| 52786 | Diesel vehicles |
| 96.2% | Gasoline vehicle % |
| 3.8% | Diesel vehicle % |

| VMT per Vehicle Type | |
|----------------------|-------------------------------|
| 564,012 | Project VMT (CalEEMod output) |
| 542319 | Gasoline vehicle VMT |
| 21693 | Diesel vehicle VMT |

| Gasoline Vehicles | |
|-------------------|--|
| 96.2% | Gasoline vehicle % |
| 0.3677 | Tons per year mobile NOX emissions (annual output in CalEEMod) |
| 0.35 | Gasoline vehicle tons per year NOX emissions |
| 0.0296 | Tons per year N2O emissions for gasoline vehicles** |
| 0.0269 | Metric tons per year N2O emissions for gasoline vehicles |

| Diesel Vehicles | |
|-----------------|--|
| 1.60 | grams N2O per gallon of fuel for diesel vehicles** |
| 21.40 | Diesel average miles per gallon* |
| 0.07475 | grams per mile N2O for diesel vehicles |
| 1621.7 | grams per year N2O for diesel vehicles |
| 0.0016217 | Metric tons per year N2O emissions for diesel vehicles |

| CO2e Emissions from N2O | |
|-------------------------|---|
| 0.0285 | Metric tons per year from gasoline + diesel vehicles |
| 298 | GWP of N2O*** |
| 8.5 | CO2e emissions per year from N2O emissions from gasoline + diesel vehicles |

| Sources | |
|---|--|
| <p>*Vehicle population source: EMFAC2017 (v1.0.2) Emissions Inventory Region Type: County Region: Santa Clara County Calendar Year: 2024 Season: Annual Vehicle Classification: EMFAC2011 Categories</p> | |
| <p>**Methodology source: EMFAC2017 Volume III - Technical Documentation https://www.arb.ca.gov/msei/emfac2011-faq.htm</p> | |
| <p>***GWP source: Intergovernmental Panel on Climate Change (IPCC). 2007. AR4 Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change.</p> | |