

Pentair Warehouse Expansion - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Pentair Warehouse Expansion

Ventura County, Summer

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|-------|----------|-------------|--------------------|------------|
| General Office Building | 4.00 | 1000sqft | 0.19 | 4,000.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 80.57 | 1000sqft | 2.46 | 80,566.00 | 0 |
| Parking Lot | 3.00 | Acre | 3.00 | 130,680.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------|-------|------------------|-----|---------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.6 | Precipitation Freq (Days) | 31 |
| Climate Zone | 8 | | | Operational Year | 2023 |

Utility Company Southern California Edison

| | | | | | |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|
| CO2 Intensity (lb/MW/hr) | 390.98 | CH4 Intensity (lb/MW/hr) | 0.033 | N2O Intensity (lb/MW/hr) | 0.004 |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total project site = 5.65 acres

Construction Phase -

Vehicle Trips - Daily Trip Rates set to match TIA of 216 ADT. The 36 truck trips were analyzed under the Warehouse land use and rest of trips analyzed under General Office land use

Water Mitigation - Install Low-Flow fixtures and Use Water-Efficient Irrigation Systems per Title 24 Requirements

Operational Off-Road Equipment - 4 Electric Powered Forklifts 8 hours per day

Architectural Coating - Pursuant to VCAPCD Rule 74.2 Paint VOC set to 50 g/L.

Fleet Mix - Warehouse Land Use set to 100% HDD and all truck trips removed from General Office

Construction Off-road Equipment Mitigation - Per PDF 1, all off-road equipment greater than 50 hp used during construction shall meet EPA Tier 4 emission standards.

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| | | | |
|--------------------------------|----------------------------|-------------|------------|
| tblFleetMix | LDA | 0.54 | 0.58 |
| tblFleetMix | LDA | 0.54 | 0.00 |
| tblFleetMix | LDT1 | 0.06 | 0.06 |
| tblFleetMix | LDT1 | 0.06 | 0.00 |
| tblFleetMix | LDT2 | 0.17 | 0.19 |
| tblFleetMix | LDT2 | 0.17 | 0.00 |
| tblFleetMix | LHD1 | 0.03 | 0.00 |
| tblFleetMix | LHD1 | 0.03 | 0.00 |
| tblFleetMix | LHD2 | 7.5770e-003 | 0.00 |
| tblFleetMix | LHD2 | 7.5770e-003 | 0.00 |
| tblFleetMix | MCY | 0.03 | 0.03 |
| tblFleetMix | MCY | 0.03 | 0.00 |
| tblFleetMix | MDV | 0.13 | 0.14 |
| tblFleetMix | MDV | 0.13 | 0.00 |
| tblFleetMix | MH | 7.3040e-003 | 0.00 |
| tblFleetMix | MH | 7.3040e-003 | 0.00 |
| tblFleetMix | MHD | 0.01 | 0.00 |
| tblFleetMix | MHD | 0.01 | 0.00 |
| tblFleetMix | OBUS | 6.8800e-004 | 0.00 |
| tblFleetMix | OBUS | 6.8800e-004 | 0.00 |
| tblFleetMix | SBUS | 6.4600e-004 | 0.00 |
| tblFleetMix | SBUS | 6.4600e-004 | 0.00 |
| tblFleetMix | UBUS | 3.9300e-004 | 0.00 |
| tblFleetMix | UBUS | 3.9300e-004 | 0.00 |
| tblLandUse | LandUseSquareFeet | 80,570.00 | 80,566.00 |
| tblLandUse | LotAcreage | 0.09 | 0.19 |
| tblLandUse | LotAcreage | 1.85 | 2.46 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 4.00 |

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| | | | |
|-----------------|-------|------|-------|
| tblVehicleTrips | ST_TR | 2.21 | 45.00 |
| tblVehicleTrips | ST_TR | 1.74 | 0.45 |
| tblVehicleTrips | SU_TR | 0.70 | 45.00 |
| tblVehicleTrips | SU_TR | 1.74 | 0.45 |
| tblVehicleTrips | WD_TR | 9.74 | 45.00 |
| tblVehicleTrips | WD_TR | 1.74 | 0.45 |

2.0 Emissions Summary

Pentair Warehouse Expansion - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational
Unmitigated Operational

| Category | lb/day | | | | | | | | | | lb/day | | | | | | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|------|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Area | 2.0816 | 8.0000e-005 | 8.9400e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0192 | 0.0192 | 5.0000e-005 | | | 0.0204 |
| Energy | 0.0103 | 0.0939 | 0.0789 | 5.6000e-004 | | 7.1400e-003 | 7.1400e-003 | | 7.1400e-003 | 7.1400e-003 | | 112.6839 | 112.6839 | 2.1600e-003 | 2.0700e-003 | | 113.3535 |
| Mobile | 0.5768 | 2.4062 | 5.1852 | 0.0165 | 1.1490 | 0.0178 | 1.1668 | 0.3065 | 0.0169 | 0.3233 | | 1,758.2627 | 1,758.2627 | 0.1216 | 0.1809 | | 1,815.2005 |
| Offroad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Total | 2.6687 | 2.5001 | 5.2731 | 0.0170 | 1.1490 | 0.0250 | 1.1740 | 0.3065 | 0.0240 | 0.3305 | 0.0000 | 1,870.9657 | 1,870.9657 | 0.1238 | 0.1829 | | 1,928.5744 |

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2.2 Overall Operational

Mitigated Operational

| Category | lb/day | | | | | | | | | | | lb/day | | | | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Area | 2.0816 | 8.0000e-005 | 8.9400e-003 | 0.0000 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 0.0192 | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |
| Energy | 0.0103 | 0.0939 | 0.0789 | 5.6000e-004 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 112.6839 | 112.6839 | 112.6839 | 2.1600e-003 | 2.0700e-003 | 113.3535 |
| Mobile | 0.5768 | 2.4062 | 5.1852 | 0.0165 | 1.1490 | 0.0178 | 1.1668 | 0.3065 | 0.0169 | 0.3233 | 1,758.2627 | 1,758.2627 | 1,758.2627 | 0.1216 | 0.1809 | 1,815.2005 |
| Offroad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 2.6687 | 2.5001 | 5.2731 | 0.0170 | 1.1490 | 0.0250 | 1.1740 | 0.3065 | 0.0240 | 0.3305 | 0.0000 | 1,870.9657 | 1,870.9657 | 0.1238 | 0.1829 | 1,928.5744 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Site Preparation | Site Preparation | 1/1/2023 | 1/13/2023 | 5 | 10 | |
| 2 | Grading | Grading | 1/14/2023 | 2/10/2023 | 5 | 20 | |
| 3 | Building Construction | Building Construction | 2/11/2023 | 12/29/2023 | 5 | 230 | |
| 4 | Paving | Paving | 12/2/2023 | 12/29/2023 | 5 | 20 | |

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| | | | | | | |
|---|-----------------------|-----------------------|-----------|------------|---|----|
| 5 | Architectural Coating | Architectural Coating | 12/2/2023 | 12/29/2023 | 5 | 20 |
|---|-----------------------|-----------------------|-----------|------------|---|----|

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 126,849; Non-Residential Outdoor: 42,283; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| 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

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| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 90.00 | 35.00 | 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 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|------------------|------------------|---------------|-----|------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Fugitive Dust | | | | | 19.6570 | 0.0000 | 19.6570 | 10.1025 | 0.0000 | 10.1025 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.6595 | 27.5242 | 18.2443 | 0.0381 | | 1.2660 | 1.2660 | 1.1647 | 1.1647 | 1.1647 | | 3,687.308 | 3,687.308 | 1.1926 | | 3,717.121 |
| | | | | | | | | | | | | 1 | 1 | | | 9 |
| Total | 2.6595 | 27.5242 | 18.2443 | 0.0381 | 19.6570 | 1.2660 | 20.9230 | 10.1025 | 1.1647 | 11.2672 | | 3,687.308 | 3,687.308 | 1.1926 | | 3,717.121 |
| | | | | | | | | | | | | 1 | 1 | | | 9 |

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3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0518 | 0.0320 | 0.4622 | 1.2600e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 129.1227 | 129.1227 | 129.1227 | 3.7900e-003 | 3.3700e-003 | 130.2224 |
| Total | 0.0518 | 0.0320 | 0.4622 | 1.2600e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 129.1227 | 129.1227 | 129.1227 | 3.7900e-003 | 3.3700e-003 | 130.2224 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|------------------------------|------------------------------|---------------|-----|------------------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Fugitive Dust | | | | | 19.6570 | 0.0000 | 19.6570 | 10.1025 | 0.0000 | 10.1025 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.6967 | 12.1620 | 22.9600 | 0.0381 | | 0.0621 | 0.0621 | 0.0621 | 0.0621 | 0.0621 | 0.0000 | 3.687.308 ₁ | 3.687.308 ₁ | 1.1926 | | 3,717.121 ₉ |
| Total | 0.6967 | 12.1620 | 22.9600 | 0.0381 | 19.6570 | 0.0621 | 19.7191 | 10.1025 | 0.0621 | 10.1645 | 0.0000 | 3,687.308₁ | 3,687.308₁ | 1.1926 | | 3,717.121₉ |

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3.2 Site Preparation - 2023

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | lb/day | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0518 | 0.0320 | 0.4622 | 1.2600e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 129.1227 | 129.1227 | 129.1227 | 3.7900e-003 | 3.3700e-003 | 130.2224 |
| Total | 0.0518 | 0.0320 | 0.4622 | 1.2600e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 129.1227 | 129.1227 | 129.1227 | 3.7900e-003 | 3.3700e-003 | 130.2224 |

3.3 Grading - 2023

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|------------------|-----------|------------------|---------------|-----|------------------|
| | lb/day | | | | | | | | | | | | | | | |
| Fugitive Dust | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.7109 | 17.9359 | 14.7507 | 0.0297 | | 0.7749 | 0.7749 | 0.7129 | 0.7129 | 0.7129 | 2.872.691 | 0 | 2.872.691 | 0.9291 | | 2.895.918 |
| Total | 1.7109 | 17.9359 | 14.7507 | 0.0297 | 7.0826 | 0.7749 | 7.8575 | 3.4247 | 0.7129 | 4.1377 | 2,872.691 | 0 | 2,872.691 | 0.9291 | | 2,895.918 |

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3.3 Grading - 2023

Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0432 | 0.0267 | 0.3851 | 1.0500e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 107.6023 | 107.6023 | 107.6023 | 3.1600e-003 | 2.8100e-003 | 108.5187 |
| Total | 0.0432 | 0.0267 | 0.3851 | 1.0500e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 107.6023 | 107.6023 | 107.6023 | 3.1600e-003 | 2.8100e-003 | 108.5187 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Fugitive Dust | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.5200 | 10.3327 | 18.9906 | 0.0297 | | 0.0484 | 0.0484 | | 0.0484 | 0.0484 | 0.0000 | 2.872.6910 | 2.872.6910 | 0.9291 | | 2.895.9182 |
| Total | 0.5200 | 10.3327 | 18.9906 | 0.0297 | 7.0826 | 0.0484 | 7.1310 | 3.4247 | 0.0484 | 3.4732 | 0.0000 | 2,872.6910 | 2,872.6910 | 0.9291 | | 2,895.9182 |

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3.3 Grading - 2023

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | lb/day | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0432 | 0.0267 | 0.3851 | 1.0500e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 107.6023 | 107.6023 | 107.6023 | 3.1600e-003 | 2.8100e-003 | 108.5187 |
| Total | 0.0432 | 0.0267 | 0.3851 | 1.0500e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 107.6023 | 107.6023 | 107.6023 | 3.1600e-003 | 2.8100e-003 | 108.5187 |

3.4 Building Construction - 2023

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-------------------|-------------------|-------------------|---------------|---------------|-------------------|
| | lb/day | | | | | | | | | | | | | | | |
| Off-Road | 1.5728 | 14.3849 | 16.2440 | 0.0269 | 0.6997 | 0.6997 | 0.6997 | 0.6584 | 0.6584 | 0.6584 | 2,555.2099 | 2,555.2099 | 2,555.2099 | 0.6079 | 0.6079 | 2,570.4061 |
| Total | 1.5728 | 14.3849 | 16.2440 | 0.0269 | 0.6997 | 0.6997 | 0.6997 | 0.6584 | 0.6584 | 0.6584 | 2,555.2099 | 2,555.2099 | 2,555.2099 | 0.6079 | 0.6079 | 2,570.4061 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-------------------|-------------------|-------------------|---------------|---------------|-------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0347 | 1.3261 | 0.4711 | 6.4800e-003 | 0.2368 | 7.8800e-003 | 0.2447 | 0.0682 | 7.5400e-003 | 0.0757 | 703.3412 | 703.3412 | 703.3412 | 0.0289 | 0.1052 | 735.4257 |
| Worker | 0.2590 | 0.1601 | 2.3108 | 6.3100e-003 | 0.7393 | 4.0100e-003 | 0.7433 | 0.1961 | 3.6900e-003 | 0.1998 | 645.6137 | 645.6137 | 645.6137 | 0.0189 | 0.0169 | 651.1121 |
| Total | 0.2937 | 1.4861 | 2.7819 | 0.0128 | 0.9762 | 0.0119 | 0.9881 | 0.2643 | 0.0112 | 0.2755 | 1,348.9549 | 1,348.9549 | 1,348.9549 | 0.0479 | 0.1221 | 1,386.5378 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Off-Road | 0.7441 | 10.6716 | 18.0549 | 0.0269 | | 0.0930 | 0.0930 | | 0.0930 | 0.0930 | 0.0000 | 2,555.2099 | 2,555.2099 | 0.6079 | | 2,570.4061 |
| Total | 0.7441 | 10.6716 | 18.0549 | 0.0269 | | 0.0930 | 0.0930 | | 0.0930 | 0.0930 | 0.0000 | 2,555.2099 | 2,555.2099 | 0.6079 | | 2,570.4061 |

Pentair Warehouse Expansion - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-------------------|-------------------|-------------------|---------------|---------------|-------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0347 | 1.3261 | 0.4711 | 6.4800e-003 | 0.2368 | 7.8800e-003 | 0.2447 | 0.0682 | 7.5400e-003 | 0.0757 | 703.3412 | 703.3412 | 703.3412 | 0.0289 | 0.1052 | 735.4257 |
| Worker | 0.2590 | 0.1601 | 2.3108 | 6.3100e-003 | 0.7393 | 4.0100e-003 | 0.7433 | 0.1961 | 3.6900e-003 | 0.1998 | 645.6137 | 645.6137 | 645.6137 | 0.0189 | 0.0169 | 651.1121 |
| Total | 0.2937 | 1.4861 | 2.7819 | 0.0128 | 0.9762 | 0.0119 | 0.9881 | 0.2643 | 0.0112 | 0.2755 | 1,348.9549 | 1,348.9549 | 1,348.9549 | 0.0479 | 0.1221 | 1,386.5378 |

3.5 Paving - 2023

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-------------------|-------------------|-------------------|---------------|-----|-------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Off-Road | 1.0327 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | 2,207.5841 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |
| Paving | 0.3930 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.4257 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | 2,207.5841 | 2,207.5841 | 2,207.5841 | 0.7140 | | 2,225.4336 |

Pentair Warehouse Expansion - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | lb/day | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0432 | 0.0267 | 0.3851 | 1.0500e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 107.6023 | 107.6023 | 107.6023 | 3.1600e-003 | 2.8100e-003 | 108.5187 |
| Total | 0.0432 | 0.0267 | 0.3851 | 1.0500e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 107.6023 | 107.6023 | 107.6023 | 3.1600e-003 | 2.8100e-003 | 108.5187 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------------|------------------------------|---------------|-----|------------------------------|
| | lb/day | | | | | | | | | | | | | | | |
| Off-Road | 0.3341 | 10.0395 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,207.584 ₁ | 2,207.584 ₁ | 0.7140 | | 2,225.433 ₆ |
| Paving | 0.3930 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.7271 | 10.0395 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,207.584₁ | 2,207.584₁ | 0.7140 | | 2,225.433₆ |

Pentair Warehouse Expansion - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | lb/day | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0432 | 0.0267 | 0.3851 | 1.0500e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 107.6023 | 107.6023 | 107.6023 | 3.1600e-003 | 2.8100e-003 | 108.5187 |
| Total | 0.0432 | 0.0267 | 0.3851 | 1.0500e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 107.6023 | 107.6023 | 107.6023 | 3.1600e-003 | 2.8100e-003 | 108.5187 |

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-----------------|-----------------|---------------|-----|-----------------|
| | lb/day | | | | | | | | | | | | | | | |
| Archit. Coating | 20.5068 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | 0.0708 | 0.0708 | 0.0708 | 0.0708 | 0.0708 | 0.0708 | 281.4481 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |
| Total | 20.6984 | 1.3030 | 1.8111 | 2.9700e-003 | 0.0708 | 0.0708 | 0.0708 | 0.0708 | 0.0708 | 0.0708 | 281.4481 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |

Pentair Warehouse Expansion - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023
Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0518 | 0.0320 | 0.4622 | 1.2600e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 129.1227 | 129.1227 | 129.1227 | 3.7900e-003 | 3.3700e-003 | 130.2224 |
| Total | 0.0518 | 0.0320 | 0.4622 | 1.2600e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 129.1227 | 129.1227 | 129.1227 | 3.7900e-003 | 3.3700e-003 | 130.2224 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Archit. Coating | 20.5068 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0545 | 1.0598 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |
| Total | 20.5612 | 1.0598 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |

Pentair Warehouse Expansion - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | lb/day | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0518 | 0.0320 | 0.4622 | 1.2600e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 129.1227 | 129.1227 | 129.1227 | 3.7900e-003 | 3.3700e-003 | 130.2224 |
| Total | 0.0518 | 0.0320 | 0.4622 | 1.2600e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 129.1227 | 129.1227 | 129.1227 | 3.7900e-003 | 3.3700e-003 | 130.2224 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Pentair Warehouse Expansion - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Category | lb/day | | | | | | | | | | lb/day | | | | | |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|-----------|-----------|-----------|--------|--------|-----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Mitigated | 0.5768 | 2.4062 | 5.1852 | 0.0165 | 1.1490 | 0.0178 | 1.1668 | 0.3065 | 0.0169 | 0.3233 | 1,758,262 | 7 | 1,758,262 | 0.1216 | 0.1809 | 1,815,200 |
| Unmitigated | 0.5768 | 2.4062 | 5.1852 | 0.0165 | 1.1490 | 0.0178 | 1.1668 | 0.3065 | 0.0169 | 0.3233 | 1,758,262 | 7 | 1,758,262 | 0.1216 | 0.1809 | 1,815,200 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | | Mitigated | |
|----------------------------------|-------------------------|---------------|---------------|----------------|----------------|----------------|----------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT | Annual VMT | Annual VMT |
| General Office Building | 180.00 | 180.00 | 180.00 | 430,156 | 430,156 | 430,156 | 430,156 |
| Parking Lot | 0.00 | 0.00 | 0.00 | | | | |
| Unrefrigerated Warehouse-No Rail | 36.26 | 36.26 | 36.26 | 105,851 | 105,851 | 105,851 | 105,851 |
| Total | 216.26 | 216.26 | 216.26 | 536,007 | 536,007 | 536,007 | 536,007 |

4.3 Trip Type Information

| Land Use | Miles | | | | | | | | | | Trip Purpose % | | |
|-----------------------------|------------|------------|------------|-------------|-------------|------------|------------|------------|-------------|---------|----------------|---------|--|
| | H-W or C-W | H-S or C-C | H-O or C-C | H-W or C-NW | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-C | H-O or C-NW | Primary | Diverted | Pass-by | |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 77 | 19 | 4 | | | | |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | | | | |
| Unrefrigerated Warehouse-No | 9.50 | 7.30 | 7.30 | 59.00 | 41.00 | 41.00 | 92 | 5 | 3 | | | | |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building | 0.579000 | 0.062000 | 0.185000 | 0.143000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.031000 | 0.000000 | 0.000000 |
| Parking Lot | 0.543528 | 0.058189 | 0.173108 | 0.133952 | 0.027894 | 0.007577 | 0.011427 | 0.006062 | 0.000688 | 0.000393 | 0.029232 | 0.000646 | 0.007304 |

Pentair Warehouse Expansion - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

| Land Use | NaturalGas Use kBTU/yr | lb/day | | | | | | | | | | CO2e | | | | | |
|----------------------------------|---------------------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O |
| General Office Building | 99.1781 | 1.0700e-003 | 9.7200e-003 | 8.1700e-003 | 6.0000e-005 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 11.6680 | 11.6680 | 11.6680 | 2.2000e-004 | 2.1000e-004 | 11.7374 |
| 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 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 858.635 | 9.2600e-003 | 0.0842 | 0.0707 | 5.1000e-004 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 101.0159 | 101.0159 | 101.0159 | 1.9400e-003 | 1.8500e-003 | 101.6162 |
| Total | | 0.0103 | 0.0939 | 0.0789 | 5.7000e-004 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 112.6839 | 112.6839 | 112.6839 | 2.1600e-003 | 2.0600e-003 | 113.3535 |

Pentair Warehouse Expansion - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

| Land Use | NaturalGas Use kBTU/yr | lb/day | | | | | | | | | | | CO2e | | | | |
|----------------------------------|---------------------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | | NBio- CO2 | Total CO2 | CH4 | N2O |
| General Office Building | 0.0991781 | 1.0700e-003 | 9.7200e-003 | 8.1700e-003 | 6.0000e-005 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 11.6680 | 11.6680 | 11.6680 | 2.2000e-004 | 2.1000e-004 | 11.7374 |
| 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 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0.858635 | 9.2600e-003 | 0.0842 | 0.0707 | 5.1000e-004 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 101.0159 | 101.0159 | 101.0159 | 1.9400e-003 | 1.8500e-003 | 101.6162 |
| Total | | 0.0103 | 0.0939 | 0.0789 | 5.7000e-004 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 112.6839 | 112.6839 | 112.6839 | 2.1600e-003 | 2.0600e-003 | 113.3535 |

6.0 Area Detail

6.1 Mitigation Measures Area

Pentair Warehouse Expansion - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| lb/day | | | | | | | | | | | | | | | | |
| Mitigated | 2.0816 | 8.0000e-005 | 8.9400e-003 | 0.0000 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 0.0192 | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |
| Unmitigated | 2.0816 | 8.0000e-005 | 8.9400e-003 | 0.0000 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 0.0192 | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |

6.2 Area by SubCategory

Unmitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|-----|---------------|
| lb/day | | | | | | | | | | | | | | | | |
| Architectural Coating | 0.2247 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.8560 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 8.3000e-004 | 8.0000e-005 | 8.9400e-003 | 0.0000 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 0.0192 | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |
| Total | 2.0816 | 8.0000e-005 | 8.9400e-003 | 0.0000 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 0.0192 | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |

Pentair Warehouse Expansion - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| lb/day | | | | | | | | | | | | | | | | |
| Architectural Coating | 0.2247 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.8560 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 8.3000e-004 | 8.0000e-005 | 8.9400e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |
| Total | 2.0816 | 8.0000e-005 | 8.9400e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | | 3.0000e-005 | 3.0000e-005 | | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Pentair Warehouse Expansion - Ventura County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|------------|
| Forklifts | 4 | 8.00 | 260 | 89 | 0.20 | Electrical |

UnMitigated/Mitigated

| Equipment Type | lb/day | | | | | | | | | | | | | | | | |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Forklifts | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Pentair Warehouse Expansion

Ventura County, Winter

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|-------|----------|-------------|--------------------|------------|
| General Office Building | 4.00 | 1000sqft | 0.19 | 4,000.00 | 0 |
| Unrefrigerated Warehouse-No Rail | 80.57 | 1000sqft | 2.46 | 80,566.00 | 0 |
| Parking Lot | 3.00 | Acre | 3.00 | 130,680.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------|-------|------------------|-----|---------------------------|------|
| Urbanization | Urban | Wind Speed (m/s) | 2.6 | Precipitation Freq (Days) | 31 |
| Climate Zone | 8 | | | Operational Year | 2023 |

Utility Company Southern California Edison

| | | | | | |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|
| CO2 Intensity (lb/MW/hr) | 390.98 | CH4 Intensity (lb/MW/hr) | 0.033 | N2O Intensity (lb/MW/hr) | 0.004 |
|--------------------------|--------|--------------------------|-------|--------------------------|-------|

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total project site = 5.65 acres

Construction Phase -

Vehicle Trips - Daily Trip Rates set to match TIA of 216 ADT. The 36 truck trips were analyzed under the Warehouse land use and rest of trips analyzed under General Office land use

Water Mitigation - Install Low-Flow fixtures and Use Water-Efficient Irrigation Systems per Title 24 Requirements

Operational Off-Road Equipment - 4 Electric Powered Forklifts 8 hours per day

Architectural Coating - Pursuant to VCAPCD Rule 74.2 Paint VOC set to 50 g/L.

Fleet Mix - Warehouse Land Use set to 100% HDD and all truck trips removed from General Office

Construction Off-road Equipment Mitigation - Per PDF 1, all off-road equipment greater than 50 hp used during construction shall meet EPA Tier 4 emission standards.

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | | | |
|--------------------------------|----------------------------|-------------|------------|
| tblFleetMix | LDA | 0.54 | 0.58 |
| tblFleetMix | LDA | 0.54 | 0.00 |
| tblFleetMix | LDT1 | 0.06 | 0.06 |
| tblFleetMix | LDT1 | 0.06 | 0.00 |
| tblFleetMix | LDT2 | 0.17 | 0.19 |
| tblFleetMix | LDT2 | 0.17 | 0.00 |
| tblFleetMix | LHD1 | 0.03 | 0.00 |
| tblFleetMix | LHD1 | 0.03 | 0.00 |
| tblFleetMix | LHD2 | 7.5770e-003 | 0.00 |
| tblFleetMix | LHD2 | 7.5770e-003 | 0.00 |
| tblFleetMix | MCY | 0.03 | 0.03 |
| tblFleetMix | MCY | 0.03 | 0.00 |
| tblFleetMix | MDV | 0.13 | 0.14 |
| tblFleetMix | MDV | 0.13 | 0.00 |
| tblFleetMix | MH | 7.3040e-003 | 0.00 |
| tblFleetMix | MH | 7.3040e-003 | 0.00 |
| tblFleetMix | MHD | 0.01 | 0.00 |
| tblFleetMix | MHD | 0.01 | 0.00 |
| tblFleetMix | OBUS | 6.8800e-004 | 0.00 |
| tblFleetMix | OBUS | 6.8800e-004 | 0.00 |
| tblFleetMix | SBUS | 6.4600e-004 | 0.00 |
| tblFleetMix | SBUS | 6.4600e-004 | 0.00 |
| tblFleetMix | UBUS | 3.9300e-004 | 0.00 |
| tblFleetMix | UBUS | 3.9300e-004 | 0.00 |
| tblLandUse | LandUseSquareFeet | 80,570.00 | 80,566.00 |
| tblLandUse | LotAcreage | 0.09 | 0.19 |
| tblLandUse | LotAcreage | 1.85 | 2.46 |
| tblOperationalOffRoadEquipment | OperFuelType | Diesel | Electrical |
| tblOperationalOffRoadEquipment | OperOffRoadEquipmentNumber | 0.00 | 4.00 |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | | | |
|-----------------|-------|------|-------|
| tblVehicleTrips | ST_TR | 2.21 | 45.00 |
| tblVehicleTrips | ST_TR | 1.74 | 0.45 |
| tblVehicleTrips | SU_TR | 0.70 | 45.00 |
| tblVehicleTrips | SU_TR | 1.74 | 0.45 |
| tblVehicleTrips | WD_TR | 9.74 | 45.00 |
| tblVehicleTrips | WD_TR | 1.74 | 0.45 |

2.0 Emissions Summary

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational
Unmitigated Operational

| Category | lb/day | | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|------|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
| Area | 2.0816 | 8.0000e-005 | 8.9400e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | | 0.0192 | 0.0192 | 5.0000e-005 | | | 0.0204 |
| Energy | 0.0103 | 0.0939 | 0.0789 | 5.6000e-004 | | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | | 112.6839 | 112.6839 | 2.1600e-003 | 2.0700e-003 | | 113.3535 |
| Mobile | 0.5585 | 2.5534 | 5.4976 | 0.0162 | 1.1490 | 0.0179 | 1.1669 | 0.3065 | 0.0170 | 0.3234 | | 1,728.3218 | 1,728.3218 | 0.1274 | 0.1843 | | 1,786.4221 |
| Offroad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Total | 2.6504 | 2.6474 | 5.5854 | 0.0167 | 1.1490 | 0.0251 | 1.1741 | 0.3065 | 0.0241 | 0.3306 | 0.0000 | 1,841.0249 | 1,841.0249 | 0.1296 | 0.1864 | | 1,899.7960 |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

| Category | lb/day | | | | | | | | | | | lb/day | | | | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Area | 2.0816 | 8.0000e-005 | 8.9400e-003 | 0.0000 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 0.0192 | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |
| Energy | 0.0103 | 0.0939 | 0.0789 | 5.6000e-004 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 112.6839 | 112.6839 | 112.6839 | 2.1600e-003 | 2.0700e-003 | 113.3535 |
| Mobile | 0.5585 | 2.5534 | 5.4976 | 0.0162 | 1.1490 | 0.0179 | 1.1669 | 0.3065 | 0.0170 | 0.3234 | 1,728.3218 | 1,728.3218 | 1,728.3218 | 0.1274 | 0.1843 | 1,786.4221 |
| Offroad | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Total | 2.6504 | 2.6474 | 5.5854 | 0.0167 | 1.1490 | 0.0251 | 1.1741 | 0.3065 | 0.0241 | 0.3306 | 0.0000 | 1,841.0249 | 1,841.0249 | 0.1296 | 0.1864 | 1,899.7960 |

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

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1 | Site Preparation | Site Preparation | 1/1/2023 | 1/13/2023 | 5 | 10 | |
| 2 | Grading | Grading | 1/14/2023 | 2/10/2023 | 5 | 20 | |
| 3 | Building Construction | Building Construction | 2/11/2023 | 12/29/2023 | 5 | 230 | |
| 4 | Paving | Paving | 12/2/2023 | 12/29/2023 | 5 | 20 | |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | | | | | | |
|---|-----------------------|-----------------------|-----------|------------|---|----|
| 5 | Architectural Coating | Architectural Coating | 12/2/2023 | 12/29/2023 | 5 | 20 |
|---|-----------------------|-----------------------|-----------|------------|---|----|

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 126,849; Non-Residential Outdoor: 42,283; Striped Parking Area: 7,841 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| 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

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 90.00 | 35.00 | 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 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|------------------|------------------|---------------|-----|------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Fugitive Dust | | | | | 19.6570 | 0.0000 | 19.6570 | 10.1025 | 0.0000 | 10.1025 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.6595 | 27.5242 | 18.2443 | 0.0381 | | 1.2660 | 1.2660 | 1.1647 | 1.1647 | 1.1647 | | 3.687.308 | 3.687.308 | 1.1926 | | 3,717.121 |
| Total | 2.6595 | 27.5242 | 18.2443 | 0.0381 | 19.6570 | 1.2660 | 20.9230 | 1.1647 | 1.1647 | 11.2672 | | 3.687.308 | 3.687.308 | 1.1926 | | 3,717.121 |
| lb/day | | | | | | | | | | | | | | | | |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|--------|
| lb/day | | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0559 | 0.0375 | 0.4537 | 1.2100e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 123.5352 | 123.5352 | 4.1300e-003 | 3.7500e-003 | 124.7557 | |
| Total | 0.0559 | 0.0375 | 0.4537 | 1.2100e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 123.5352 | 123.5352 | 4.1300e-003 | 3.7500e-003 | 124.7557 | |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|------------------------------|------------------------------|---------------|-----|------------------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Fugitive Dust | | | | | 19.6570 | 0.0000 | 19.6570 | 10.1025 | 0.0000 | 10.1025 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 |
| Off-Road | 0.6967 | 12.1620 | 22.9600 | 0.0381 | 0.0621 | 0.0621 | 0.0621 | 0.0621 | 0.0621 | 0.0621 | 0.0000 | 3.687.308 ₁ | 3.687.308 ₁ | 1.1926 | | 3,717.121 ₉ |
| Total | 0.6967 | 12.1620 | 22.9600 | 0.0381 | 19.6570 | 0.0621 | 19.7191 | 10.1025 | 0.0621 | 10.1645 | 0.0000 | 3,687.308₁ | 3,687.308₁ | 1.1926 | | 3,717.121₉ |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|--------------------|-----------------|
| | lb/day | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0559 | 0.0375 | 0.4537 | 1.2100e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 123.5352 | 123.5352 | 4.1300e-003 | 4.1300e-003 | 3.7500e-003 | 124.7557 |
| Total | 0.0559 | 0.0375 | 0.4537 | 1.2100e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 123.5352 | 123.5352 | 4.1300e-003 | 4.1300e-003 | 3.7500e-003 | 124.7557 |

3.3 Grading - 2023

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|------------------|-----------|------------------|---------------|-----|------------------|
| | lb/day | | | | | | | | | | | | | | | |
| Fugitive Dust | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 0.0000 | | | 0.0000 |
| Off-Road | 1.7109 | 17.9359 | 14.7507 | 0.0297 | | 0.7749 | 0.7749 | 0.7129 | 0.7129 | 0.7129 | 2.872.691 | 0 | 2.872.691 | 0.9291 | | 2.895.918 |
| Total | 1.7109 | 17.9359 | 14.7507 | 0.0297 | 7.0826 | 0.7749 | 7.8575 | 3.4247 | 0.7129 | 4.1377 | 2,872.691 | 0 | 2,872.691 | 0.9291 | | 2,895.918 |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | lb/day | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0466 | 0.0312 | 0.3781 | 1.0100e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 102.9460 | 102.9460 | 102.9460 | 3.4400e-003 | 3.1200e-003 | 103.9631 |
| Total | 0.0466 | 0.0312 | 0.3781 | 1.0100e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 102.9460 | 102.9460 | 102.9460 | 3.4400e-003 | 3.1200e-003 | 103.9631 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| | lb/day | | | | | | | | | | | | | | | |
| Fugitive Dust | | | | | 7.0826 | 0.0000 | 7.0826 | 3.4247 | 0.0000 | 3.4247 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.5200 | 10.3327 | 18.9906 | 0.0297 | | 0.0484 | 0.0484 | | 0.0484 | 0.0484 | 0.0000 | 2.872.6910 | 2.872.6910 | 0.9291 | | 2.895.9182 |
| Total | 0.5200 | 10.3327 | 18.9906 | 0.0297 | 7.0826 | 0.0484 | 7.1310 | 3.4247 | 0.0484 | 3.4732 | 0.0000 | 2,872.6910 | 2,872.6910 | 0.9291 | | 2,895.9182 |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2023

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0466 | 0.0312 | 0.3781 | 1.0100e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 102.9460 | 102.9460 | 102.9460 | 3.4400e-003 | 3.1200e-003 | 103.9631 |
| Total | 0.0466 | 0.0312 | 0.3781 | 1.0100e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 102.9460 | 102.9460 | 102.9460 | 3.4400e-003 | 3.1200e-003 | 103.9631 |

3.4 Building Construction - 2023

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-------------------|-------------------|-------------------|---------------|---------------|-------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Off-Road | 1.5728 | 14.3849 | 16.2440 | 0.0269 | 0.6997 | 0.6997 | 0.6997 | 0.6584 | 0.6584 | 0.6584 | 2,555.2099 | 2,555.2099 | 2,555.2099 | 0.6079 | 0.6079 | 2,570.4061 |
| Total | 1.5728 | 14.3849 | 16.2440 | 0.0269 | 0.6997 | 0.6997 | 0.6997 | 0.6584 | 0.6584 | 0.6584 | 2,555.2099 | 2,555.2099 | 2,555.2099 | 0.6079 | 0.6079 | 2,570.4061 |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| | lb/day | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0335 | 1.3845 | 0.4862 | 6.4900e-003 | 0.2368 | 7.9300e-003 | 0.2448 | 0.0682 | 7.5900e-003 | 0.0758 | 704.3483 | 704.3483 | 0.0288 | 0.1055 | 0.1055 | 736.4991 |
| Worker | 0.2796 | 0.1874 | 2.2684 | 6.0400e-003 | 0.7393 | 4.0100e-003 | 0.7433 | 0.1961 | 3.6900e-003 | 0.1998 | 617.6761 | 617.6761 | 0.0206 | 0.0188 | 0.0188 | 623.7783 |
| Total | 0.3131 | 1.5719 | 2.7546 | 0.0125 | 0.9762 | 0.0119 | 0.9881 | 0.2643 | 0.0113 | 0.2755 | 0.0000 | 1,322.0243 | 1,322.0243 | 0.0495 | 0.1242 | 1,360.2774 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| | lb/day | | | | | | | | | | | | | | | |
| Off-Road | 0.7441 | 10.6716 | 18.0549 | 0.0269 | 0.0930 | 0.0930 | 0.0930 | 0.0930 | 0.0930 | 0.0930 | 0.0000 | 2,555.2099 | 2,555.2099 | 0.6079 | 0.6079 | 2,570.4061 |
| Total | 0.7441 | 10.6716 | 18.0549 | 0.0269 | 0.0930 | 0.0930 | 0.0930 | 0.0930 | 0.0930 | 0.0930 | 0.0000 | 2,555.2099 | 2,555.2099 | 0.6079 | 0.6079 | 2,570.4061 |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Building Construction - 2023

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-------------------------------|-------------------------------|---------------|---------------|-------------------------------|--------|
| lb/day | | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0335 | 1.3845 | 0.4862 | 6.4900e-003 | 0.2368 | 7.9300e-003 | 0.2448 | 0.0682 | 7.5900e-003 | 0.0758 | 704.3483 | 704.3483 | 0.0288 | 0.1055 | 736.4991 | |
| Worker | 0.2796 | 0.1874 | 2.2684 | 6.0400e-003 | 0.7393 | 4.0100e-003 | 0.7433 | 0.1961 | 3.6900e-003 | 0.1998 | 617.6761 | 617.6761 | 0.0206 | 0.0188 | 623.7783 | |
| Total | 0.3131 | 1.5719 | 2.7546 | 0.0125 | 0.9762 | 0.0119 | 0.9881 | 0.2643 | 0.0113 | 0.2755 | 1,322.024 ₃ | 1,322.024 ₃ | 0.0495 | 0.1242 | 1,360.277 ₄ | |

3.5 Paving - 2023

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|-------------------------------|-------------------------------|-------------------------------|---------------|-----|-------------------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Off-Road | 1.0327 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | | 2,207.584 | 2,207.584 | 0.7140 | | 2,225.433 |
| Paving | 0.3930 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 1.4257 | 10.1917 | 14.5842 | 0.0228 | | 0.5102 | 0.5102 | | 0.4694 | 0.4694 | 2,207.584 ₁ | 2,207.584 ₁ | 2,207.584 ₁ | 0.7140 | | 2,225.433 ₆ |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0466 | 0.0312 | 0.3781 | 1.0100e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 102.9460 | 102.9460 | 102.9460 | 3.4400e-003 | 3.1200e-003 | 103.9631 |
| Total | 0.0466 | 0.0312 | 0.3781 | 1.0100e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 102.9460 | 102.9460 | 102.9460 | 3.4400e-003 | 3.1200e-003 | 103.9631 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|------------------------------|------------------------------|---------------|-----|------------------------------|
| lb/day | | | | | | | | | | | | | | | | |
| Off-Road | 0.3341 | 10.0395 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | 0.0374 | 0.0374 | 0.0374 | 0.0000 | 2,207.584 ₁ | 2,207.584 ₁ | 0.7140 | | 2,225.433 ₆ |
| Paving | 0.3930 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Total | 0.7271 | 10.0395 | 17.2957 | 0.0228 | | 0.0374 | 0.0374 | | 0.0374 | 0.0374 | 0.0000 | 2,207.584₁ | 2,207.584₁ | 0.7140 | | 2,225.433₆ |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Paving - 2023

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | lb/day | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0466 | 0.0312 | 0.3781 | 1.0100e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 102.9460 | 102.9460 | 102.9460 | 3.4400e-003 | 3.1200e-003 | 103.9631 |
| Total | 0.0466 | 0.0312 | 0.3781 | 1.0100e-003 | 0.1232 | 6.7000e-004 | 0.1239 | 0.0327 | 6.1000e-004 | 0.0333 | 102.9460 | 102.9460 | 102.9460 | 3.4400e-003 | 3.1200e-003 | 103.9631 |

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|-----------------|-----------------|-----------------|---------------|-----|-----------------|
| | lb/day | | | | | | | | | | | | | | | |
| Archit. Coating | 20.5068 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.1917 | 1.3030 | 1.8111 | 2.9700e-003 | 0.0708 | 0.0708 | 0.0708 | 0.0708 | 0.0708 | 0.0708 | 281.4481 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |
| Total | 20.6984 | 1.3030 | 1.8111 | 2.9700e-003 | 0.0708 | 0.0708 | 0.0708 | 0.0708 | 0.0708 | 0.0708 | 281.4481 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|--------------------|-----------------|--------------------|-----------------|--------|
| lb/day | | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0559 | 0.0375 | 0.4537 | 1.2100e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 123.5352 | 4.1300e-003 | 123.5352 | 3.7500e-003 | 124.7557 | |
| Total | 0.0559 | 0.0375 | 0.4537 | 1.2100e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 123.5352 | 4.1300e-003 | 123.5352 | 3.7500e-003 | 124.7557 | |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|----------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| lb/day | | | | | | | | | | | | | | | | |
| Archit. Coating | 20.5068 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0545 | 1.0598 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |
| Total | 20.5612 | 1.0598 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0168 | | 281.8690 |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|--------------------|-----------------|
| | lb/day | | | | | | | | | | | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0559 | 0.0375 | 0.4537 | 1.2100e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 123.5352 | 123.5352 | 4.1300e-003 | 4.1300e-003 | 3.7500e-003 | 124.7557 |
| Total | 0.0559 | 0.0375 | 0.4537 | 1.2100e-003 | 0.1479 | 8.0000e-004 | 0.1487 | 0.0392 | 7.4000e-004 | 0.0400 | 123.5352 | 123.5352 | 4.1300e-003 | 4.1300e-003 | 3.7500e-003 | 124.7557 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Category | lb/day | | | | | | | | | | | lb/day | | | | |
|-------------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|-----------|-----------|-----------|--------|--------|-----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Mitigated | 0.5585 | 2.5534 | 5.4976 | 0.0162 | 1.1490 | 0.0179 | 1.1669 | 0.3065 | 0.0170 | 0.3234 | 1,728,321 | 8 | 1,728,321 | 0.1274 | 0.1843 | 1,786,422 |
| Unmitigated | 0.5585 | 2.5534 | 5.4976 | 0.0162 | 1.1490 | 0.0179 | 1.1669 | 0.3065 | 0.0170 | 0.3234 | 1,728,321 | 8 | 1,728,321 | 0.1274 | 0.1843 | 1,786,422 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | | Mitigated | |
|----------------------------------|-------------------------|---------------|---------------|----------------|----------------|----------------|----------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT | Annual VMT | Annual VMT |
| General Office Building | 180.00 | 180.00 | 180.00 | 430,156 | 430,156 | 430,156 | 430,156 |
| Parking Lot | 0.00 | 0.00 | 0.00 | | | | |
| Unrefrigerated Warehouse-No Rail | 36.26 | 36.26 | 36.26 | 105,851 | 105,851 | 105,851 | 105,851 |
| Total | 216.26 | 216.26 | 216.26 | 536,007 | 536,007 | 536,007 | 536,007 |

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-C | H-W or C-NW | H-S or C-C | H-O or C-C | H-O or C-NW | H-S or C-C | H-W or C-W | Primary | Diverted | Pass-by | |
| General Office Building | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 19.00 | 77 | 19 | 4 | | | |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | | | |
| Unrefrigerated Warehouse-No | 9.50 | 7.30 | 7.30 | 59.00 | 0.00 | 41.00 | 41.00 | 92 | 5 | 3 | | | |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building | 0.579000 | 0.062000 | 0.185000 | 0.143000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.031000 | 0.000000 | 0.000000 |
| Parking Lot | 0.543528 | 0.058189 | 0.173108 | 0.133952 | 0.027894 | 0.007577 | 0.011427 | 0.006062 | 0.000688 | 0.000393 | 0.029232 | 0.000646 | 0.007304 |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | | | | | | | | | | | | | | | | | | | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Unrefrigerated Warehouse-No Rail | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

| Category | lb/day | | | | | | | | | | lb/day | | | | | |
|------------------------|--------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| NaturalGas Mitigated | 0.0103 | 0.0939 | 0.0789 | 5.6000e-004 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | | 112.6639 | 112.6639 | 2.1600e-003 | 2.0700e-003 | 113.3535 |
| NaturalGas Unmitigated | 0.0103 | 0.0939 | 0.0789 | 5.6000e-004 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | | 112.6639 | 112.6639 | 2.1600e-003 | 2.0700e-003 | 113.3535 |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

| Land Use | NaturalGas Use kBTU/yr | lb/day | | | | | | | | | | | CO2e | | | | |
|----------------------------------|---------------------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | | NBio- CO2 | Total CO2 | CH4 | N2O |
| General Office Building | 99.1781 | 1.0700e-003 | 9.7200e-003 | 8.1700e-003 | 6.0000e-005 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 11.6680 | 11.6680 | 11.6680 | 2.2000e-004 | 2.1000e-004 | 11.7374 |
| 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 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 858.635 | 9.2600e-003 | 0.0842 | 0.0707 | 5.1000e-004 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 101.0159 | 101.0159 | 101.0159 | 1.9400e-003 | 1.8500e-003 | 101.6162 |
| Total | | 0.0103 | 0.0939 | 0.0789 | 5.7000e-004 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 112.6839 | 112.6839 | 112.6839 | 2.1600e-003 | 2.0600e-003 | 113.3535 |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

| Land Use | NaturalGas Use kBTU/yr | lb/day | | | | | | | | | | CO2e | | | | | |
|----------------------------------|---------------------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O |
| General Office Building | 0.0991781 | 1.0700e-003 | 9.7200e-003 | 8.1700e-003 | 6.0000e-005 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 7.4000e-004 | 0.0000 | 11.6680 | 11.6680 | 2.2000e-004 | 2.1000e-004 | 11.7374 |
| 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 | 0.0000 | 0.0000 |
| Unrefrigerated Warehouse-No Rail | 0.858635 | 9.2600e-003 | 0.0842 | 0.0707 | 5.1000e-004 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 6.4000e-003 | 0.0000 | 101.0159 | 101.0159 | 1.9400e-003 | 1.8500e-003 | 101.6162 |
| Total | | 0.0103 | 0.0939 | 0.0789 | 5.7000e-004 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 7.1400e-003 | 0.0000 | 112.6839 | 112.6839 | 2.1600e-003 | 2.0600e-003 | 113.3535 |

6.0 Area Detail

6.1 Mitigation Measures Area

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|--------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| lb/day | | | | | | | | | | | | | | | | |
| Mitigated | 2.0816 | 8.0000e-005 | 8.9400e-003 | 0.0000 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 0.0192 | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |
| Unmitigated | 2.0816 | 8.0000e-005 | 8.9400e-003 | 0.0000 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 0.0192 | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |

6.2 Area by SubCategory

Unmitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|-----|---------------|
| lb/day | | | | | | | | | | | | | | | | |
| Architectural Coating | 0.2247 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.8560 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 8.3000e-004 | 8.0000e-005 | 8.9400e-003 | 0.0000 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 0.0192 | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |
| Total | 2.0816 | 8.0000e-005 | 8.9400e-003 | 0.0000 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 0.0192 | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

| SubCategory | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| | lb/day | | | | | | | | | | | | | | | |
| Architectural Coating | 0.2247 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.8560 | | | | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 8.3000e-004 | 8.0000e-005 | 8.9400e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |
| Total | 2.0816 | 8.0000e-005 | 8.9400e-003 | 0.0000 | | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | 3.0000e-005 | | 0.0192 | 0.0192 | 5.0000e-005 | | 0.0204 |

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Pentair Warehouse Expansion - Ventura County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|------------|
| Forklifts | 4 | 8.00 | 260 | 89 | 0.20 | Electrical |

UnMitigated/Mitigated

| Equipment Type | lb/day | | | | | | | | | | | | | | | |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
| Forklifts | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation