

Pentair Warehouse Expansion - Ventura County, Annual

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

Pentair Warehouse Expansion

Ventura County, Annual

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
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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

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2023	3-31-2023	0.6501	0.4022
2	4-1-2023	6-30-2023	0.5765	0.4289
3	7-1-2023	9-30-2023	0.5828	0.4336
		Highest	0.6501	0.4336

2.2 Overall Operational

Unmitigated Operational

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	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	0.3798	1.0000e-005	8.0000e-004	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.5600e-003	0.0000	0.0000	0.0000	1.6700e-003
Energy	1.8900e-003	0.0171	0.0144	1.0000e-004	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	0.0000	94.9180	67900e-003	1.1200e-003	1.1200e-003	95.4223
Mobile	0.1010	0.4593	0.9655	2.9500e-003	0.2054	3.2400e-003	0.2086	0.0549	3.0700e-003	0.0579	0.0000	285.6241	0.0206	0.0302	0.0302	295.1467
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
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	16.1297	0.0000	16.1297	0.9532	0.0000	39.9606
Water						0.0000	0.0000	0.0000	0.0000	0.0000	6.1366	45.5251	51.6617	0.6341	0.0154	72.0886
Total	0.4827	0.4764	0.9807	3.0500e-003	0.2054	4.5400e-003	0.2099	0.0549	4.3700e-003	0.0592	22.2662	426.0687	448.3349	1.6148	0.0467	502.6197

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2.2 Overall Operational

Mitigated Operational

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	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	0.3798	1.0000e-005	8.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.5600e-003	0.0000	0.0000	0.0000	1.6700e-003
Energy	1.8900e-003	0.0171	0.0144	1.0000e-004	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	0.0000	94.9180	94.9180	6.7900e-003	1.1200e-003	95.4223
Mobile	0.1010	0.4593	0.9655	2.9500e-003	0.2054	3.2400e-003	0.2086	0.0549	3.0700e-003	0.0579	0.0000	285.6241	285.6241	0.0206	0.0302	295.1467
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
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	16.1297	0.0000	16.1297	0.9532	0.0000	39.9606
Water						0.0000	0.0000	0.0000	0.0000	0.0000	5.1793	38.5048	43.6840	0.5352	0.0130	60.9247
Total	0.4827	0.4764	0.9807	3.0500e-003	0.2054	4.5400e-003	0.2099	0.0549	4.3700e-003	0.0592	21.3089	419.0483	440.3573	1.5159	0.0443	491.4559

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	4.30	1.65	1.78	6.13	5.14

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	

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3	Building Construction	2/11/2023	12/29/2023	5	230
4	Paving	12/2/2023	12/29/2023	5	20
5	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
	tons/yr															
	MT/yr															
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004	6.3300e-003	6.3300e-003	6.3300e-003	5.8200e-003	5.8200e-003	5.8200e-003	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606
Total	0.0133	0.1376	0.0912	1.9000e-004	0.0983	6.3300e-003	0.1046	0.0505	5.8200e-003	0.0563	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606

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3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.8000e-004	2.2400e-003	1.0000e-005	7.3000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5643	0.5643	2.0000e-005	2.0000e-005	0.5697
Total	2.6000e-004	1.8000e-004	2.2400e-003	1.0000e-005	7.3000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5643	0.5643	2.0000e-005	2.0000e-005	0.5697

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4800e-003	0.0608	0.1148	1.9000e-004	3.1000e-004	3.1000e-004	3.1000e-004	3.1000e-004	3.1000e-004	3.1000e-004	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606
Total	3.4800e-003	0.0608	0.1148	1.9000e-004	0.0983	3.1000e-004	0.0986	0.0505	3.1000e-004	0.0508	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606

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Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.8000e-004	2.2400e-003	1.0000e-005	7.3000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5643	0.5643	2.0000e-005	2.0000e-005	0.5697
Total	2.6000e-004	1.8000e-004	2.2400e-003	1.0000e-005	7.3000e-004	0.0000	7.3000e-004	1.9000e-004	0.0000	2.0000e-004	0.0000	0.5643	0.5643	2.0000e-005	2.0000e-005	0.5697

3.3 Grading - 2023

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.0708	0.0000	0.0708	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1794	0.1475	3.0000e-004	7.7500e-003	7.7500e-003	7.7500e-003	7.1300e-003	7.1300e-003	7.1300e-003	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713
Total	0.0171	0.1794	0.1475	3.0000e-004	0.0708	7.7500e-003	0.0786	0.0343	7.1300e-003	0.0414	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713

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3.3 Grading - 2023

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.0000e-004	3.7300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9406	0.9406	3.0000e-005	3.0000e-005	0.9495
Total	4.3000e-004	3.0000e-004	3.7300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9406	0.9406	3.0000e-005	3.0000e-005	0.9495

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.0708	0.0000	0.0708	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2000e-003	0.1033	0.1899	3.0000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	4.8000e-004	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713
Total	5.2000e-003	0.1033	0.1899	3.0000e-004	0.0708	4.8000e-004	0.0713	0.0343	4.8000e-004	0.0347	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713

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Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.0000e-004	3.7300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9406	0.9406	3.0000e-005	3.0000e-005	0.9495
Total	4.3000e-004	3.0000e-004	3.7300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9406	0.9406	3.0000e-005	3.0000e-005	0.9495

3.4 Building Construction - 2023

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.1809	1.6543	1.8681	3.1000e-003		0.0805	0.0805		0.0757	0.0757	0.0000	266.5755	266.5755	0.0634	0.0000	268.1608
Total	0.1809	1.6543	1.8681	3.1000e-003		0.0805	0.0805		0.0757	0.0757	0.0000	266.5755	266.5755	0.0634	0.0000	268.1608

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3.4 Building Construction - 2023

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9200e-003	0.1585	0.0549	7.5000e-004	0.0268	9.1000e-004	0.0277	7.7400e-003	8.7000e-004	8.6100e-003	0.0000	73.4211	73.4211	3.0100e-003	0.0110	76.7722
Worker	0.0296	0.0208	0.2576	7.0000e-004	0.0835	4.6000e-004	0.0839	0.0222	4.2000e-004	0.0226	0.0000	64.8980	64.8980	2.0800e-003	1.9100e-003	65.5178
Total	0.0335	0.1792	0.3125	1.4500e-003	0.1103	1.3700e-003	0.1116	0.0299	1.2900e-003	0.0312	0.0000	138.3192	138.3192	5.0900e-003	0.0129	142.2899

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0856	1.2272	2.0763	3.1000e-003		0.0107	0.0107		0.0107	0.0107	0.0000	266.5751	266.5751	0.0634	0.0000	268.1605
Total	0.0856	1.2272	2.0763	3.1000e-003		0.0107	0.0107		0.0107	0.0107	0.0000	266.5751	266.5751	0.0634	0.0000	268.1605

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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

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9200e-003	0.1585	0.0549	7.5000e-004	0.0268	9.1000e-004	0.0277	7.7400e-003	8.7000e-004	8.6100e-003	0.0000	73.4211	73.4211	3.0100e-003	0.0110	76.7722
Worker	0.0296	0.0208	0.2576	7.0000e-004	0.0835	4.6000e-004	0.0839	0.0222	4.2000e-004	0.0226	0.0000	64.8980	64.8980	2.0800e-003	1.9100e-003	65.5178
Total	0.0335	0.1792	0.3125	1.4500e-003	0.1103	1.3700e-003	0.1116	0.0299	1.2900e-003	0.0312	0.0000	138.3192	138.3192	5.0900e-003	0.0129	142.2899

3.5 Paving - 2023

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888
Paving	3.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0143	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888

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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	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.0000e-004	3.7300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9406	0.9406	3.0000e-005	3.0000e-005	0.9495
Total	4.3000e-004	3.0000e-004	3.7300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9406	0.9406	3.0000e-005	3.0000e-005	0.9495

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	3.3400e-003	0.1004	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888
Paving	3.9300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.2700e-003	0.1004	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888

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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	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.0000e-004	3.7300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9406	0.9406	3.0000e-005	3.0000e-005	0.9495
Total	4.3000e-004	3.0000e-004	3.7300e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9406	0.9406	3.0000e-005	3.0000e-005	0.9495

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	0.2051					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005	7.1000e-004	7.1000e-004	7.1000e-004	7.1000e-004	7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	0.2070	0.0130	0.0181	3.0000e-005	7.1000e-004	7.1000e-004	7.1000e-004	7.1000e-004	7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571

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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	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	3.6000e-004	4.4800e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.1287	1.1287	4.0000e-005	3.0000e-005	1.1394
Total	5.1000e-004	3.6000e-004	4.4800e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.1287	1.1287	4.0000e-005	3.0000e-005	1.1394

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	0.2051					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-004	0.0106	0.0183	3.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	0.2056	0.0106	0.0183	3.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571

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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	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	3.6000e-004	4.4800e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.1287	1.1287	4.0000e-005	3.0000e-005	1.1394
Total	5.1000e-004	3.6000e-004	4.4800e-003	1.0000e-005	1.4500e-003	1.0000e-005	1.4600e-003	3.9000e-004	1.0000e-005	3.9000e-004	0.0000	1.1287	1.1287	4.0000e-005	3.0000e-005	1.1394

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	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	0.1010	0.4593	0.9655	2.9500e-003	0.2054	3.2400e-003	0.2086	0.0549	3.0700e-003	0.0579	0.0000	285.6241	285.6241	0.0206	0.0302	295.1467
Unmitigated	0.1010	0.4593	0.9655	2.9500e-003	0.2054	3.2400e-003	0.2086	0.0549	3.0700e-003	0.0579	0.0000	285.6241	285.6241	0.0206	0.0302	295.1467

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
General Office Building	180.00	180.00	180.00	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
Total	216.26	216.26	216.26	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

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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
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	76.2619	6.4400e-003	7.8000e-004	76.6553	
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	76.2619	6.4400e-003	7.8000e-004	76.6553	
NaturalGas Mitigated	1.8900e-003	0.0171	0.0144	1.0000e-004	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	0.0000	18.6561	3.6000e-004	3.4000e-004	18.7669	
NaturalGas Unmitigated	1.8900e-003	0.0171	0.0144	1.0000e-004	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	0.0000	18.6561	3.6000e-004	3.4000e-004	18.7669	

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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	tons/yr										MT/yr					
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
General Office Building	36200	2.0000e-004	1.7700e-003	1.4900e-003	1.0000e-005	1.3000e-004	1.3000e-004	1.3000e-004	1.3000e-004	1.3000e-004	1.3000e-004	0.0000	1.9318	1.9318	4.0000e-005	4.0000e-005	1.9433
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	313402	1.6900e-003	0.0154	0.0129	9.0000e-005	1.1700e-003	1.1700e-003	1.1700e-003	1.1700e-003	1.1700e-003	1.1700e-003	0.0000	16.7243	16.7243	3.2000e-004	3.1000e-004	16.8237
Total		1.8900e-003	0.0171	0.0144	1.0000e-004	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	0.0000	18.6561	18.6561	3.6000e-004	3.5000e-004	18.7669

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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	tons/yr										MT/yr					
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
General Office Building	36200	2.0000e-004	1.7700e-003	1.4900e-003	1.0000e-005	1.3000e-004	1.3000e-004	1.3000e-004	1.3000e-004	1.3000e-004	1.3000e-004	0.0000	1.9318	1.9318	4.0000e-005	4.0000e-005	1.9433
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	313402	1.6900e-003	0.0154	0.0129	9.0000e-005	1.1700e-003	1.1700e-003	1.1700e-003	1.1700e-003	1.1700e-003	1.1700e-003	0.0000	16.7243	16.7243	3.2000e-004	3.1000e-004	16.8237
Total		1.8900e-003	0.0171	0.0144	1.0000e-004	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	1.3000e-003	0.0000	18.6561	18.6561	3.6000e-004	3.5000e-004	18.7669

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

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
General Office Building	53960	9.5696	8.1000e-004	1.0000e-004	9.6189
Parking Lot	45738	8.1114	6.8000e-004	8.0000e-005	8.1533
Unrefrigerated Warehouse-No Rail	330321	58.5809	4.9400e-003	6.0000e-004	58.8831
Total		76.2619	6.4300e-003	7.8000e-004	76.6553

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

5.3 Energy by Land Use - Electricity

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
General Office Building	53960	9.5696	8.1000e-004	1.0000e-004	9.6189
Parking Lot	45738	8.1114	6.8000e-004	8.0000e-005	8.1533
Unrefrigerated Warehouse-No Rail	330321	58.5809	4.9400e-003	6.0000e-004	58.8831
Total		76.2619	6.4300e-003	7.8000e-004	76.6553

6.0 Area Detail

6.1 Mitigation Measures Area

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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	
	tons/yr																
Mitigated	0.3798	1.0000e-005	8.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.5600e-003	1.5600e-003	0.0000	0.0000	0.0000	1.6700e-003
Unmitigated	0.3798	1.0000e-005	8.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.5600e-003	1.5600e-003	0.0000	0.0000	0.0000	1.6700e-003
	MT/yr																

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
	tons/yr															
Architectural Coating	0.0410					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3387					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	8.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.5600e-003	1.5600e-003	0.0000	0.0000	1.6700e-003
Total	0.3798	1.0000e-005	8.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5600e-003	1.5600e-003	0.0000	0.0000	1.6700e-003
	MT/yr															

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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	tons/yr											MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Architectural Coating	0.0410					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3387					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	8.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5600e-003	0.0000	0.0000	0.0000	1.6700e-003	0.0000
Total	0.3798	1.0000e-005	8.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5600e-003	0.0000	0.0000	0.0000	1.6700e-003	0.0000

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

Pentair Warehouse Expansion - Ventura County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	43.6840	0.5352	0.0130	60.9247
Unmitigated	51.6617	0.6341	0.0154	72.0886

7.2 Water by Land Use

Unmitigated

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
General Office Building	0.710935 / 0.435734	2.7258	0.0234	5.7000e-004	3.4808
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	18.6318 / 0	48.9359	0.6108	0.0148	68.6078
Total		51.6617	0.6341	0.0154	72.0886

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

7.2 Water by Land Use

Mitigated

Land Use	Mgal	MT/yr			
		Indoor/Outdoor Use	Total CO2	CH4	N2O
General Office Building	0.600029 / 0.409155	2.3821	0.0197	4.8000e-004	3.0198
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	15.7252 / 0	41.3019	0.5155	0.0125	57.9049
Total		43.6840	0.5352	0.0130	60.9247

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	16.1297	0.9532	0.0000	39.9606
Unmitigated	16.1297	0.9532	0.0000	39.9606

8.2 Waste by Land Use

Unmitigated

Land Use	Waste Disposed tons	Total CO2			CO2e
		CH4	N2O	CO2e	
General Office Building	3.72	0.7551	0.0446	0.0000	1.8708
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	75.74	15.3745	0.9086	0.0000	38.0898
Total		16.1297	0.9532	0.0000	39.9606

Pentair Warehouse Expansion - Ventura County, Annual

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

8.2 Waste by Land Use

Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
General Office Building	3.72	0.7551	0.0446	0.0000	1.8708
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	75.74	15.3745	0.9086	0.0000	38.0898
Total		16.1297	0.9532	0.0000	39.9606

9.0 Operational Offroad

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

Pentair Warehouse Expansion - Ventura County, Annual

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

UnMitigated/Mitigated

Equipment Type	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	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
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation