

**Appendix B:
Air Quality, Energy, Greenhouse Gas Supporting Information**

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Appendix B: Air Quality Supporting Information and Modeling Results

Table of Contents

Project CalEEMod Model Notes	1
CalEEMod Default Fleet Mix Adjustments	5
CalEEMod Default Construction Schedule	6
Pacific Gas Electric CO2 Intensity Factor - 2030 Adjustment	7
Phase 1 Truck Emissions Summary	8
Phase 1 Truck EMFAC	10
Phase 1 TRU Emissions	14
Phase 2 Truck Emissions Summary	15
Phase 2 Truck EMFAC - 2023	16
Phase 2 TRU Emissions - 2023	20
Total 2030 TRU Emissions	21
2014 Model Year Truck Emissions Summary (MM AIR-2d)	22
2014 Truck EMFAC	24
Locomotive Emission Estimations	28
TRU - Fugitive Refrigerants	29
Unmitigated Project Construction Emissions (MM AIR-2a)	30
Mitigated Project Construction Emissions (MM AIR-2a,b)	32
Project Emissions Summaries (COLD Storage Scenarios)	34
Project Emissions Summaries (DRY Storage Scenarios)	42
Typical Construction Trailer CalEEMod Output Files	50
Weighted TRU Emissions Factors	250
Project Energy Calculations	313
HRA Methodology	329
HRA DPM Rates	337
Stationary Source Information	345
HARP2 Cancer Risk Results	347
AERMOD Output Files	353

Giovannoni Logistics Project CalEEMod Notes

Note 1. For the 2030 operational models, PG&E's 2030 CO₂ intensity factor is derived from an assumed 2030 power mix based on equal proportions of generation sources in 2019. The only factor that has been uniquely adjusted for 2030 is the change of eligible renewable energy sources total proportion from 33% to 60% to comply with Senate Bill 100's 2030 performance goals. Based on known factors for PG&E's 2019 CO₂ intensity factor, a proximate CO₂ intensity factor of 184 pounds per megawatt-hour delivered was identified for 2030. Please see PG&E Intensity Factors in this Appendix for more information.

Note 2. Land uses and sizes associated with development of the proposed project are drawn from correspondence with the Project Applicant as well as the following site plans:

- cbg Civil Engineers, Lot Line Adjustment Exhibit, Green Island Road Logistics Center, dated October 2, 2020.
- RMW Architectural Interiors, Planning Submittal Drawings for Giovannoni Logistics Center, dated November 11, 2020.
- cbg Civil Engineers, Preliminary Water Demand Calculations, Giovannoni Logistics Center – East, dated November 12, 2020.

Land uses utilized in the models represent the following:

Project Phase 1

Industrial > (Un)refrigerated Warehouse-Rail > 601.383 x 1000sqft = Proposed Building A.

Industrial > (Un)refrigerated Warehouse-No Rail > 469.521 x 1000sqft = Proposed Building B.

Parking > Parking Lot > 860 x Space = 860 parking stalls. Square footage assumed to be balance of site after accounting for all other proposed uses (1,498,504 square feet).

Recreation > City Park > 8.76 x acre = proposed landscaping.

Parking > Other Non-Asphalt Surfaces > 106.707 x 1000sqft = proposed drainage basins. Square footage reduced to zero to ensure this land use does not contribute to emission estimates beyond those generated during earthwork.

Project Phase 2

Industrial > (Un)refrigerated Warehouse-No Rail > 1,329.096 x 1000sqft = proposed Phase 2 building space, based on remainder of proposed 2.4 million square feet after accounting for Phase 1 building space.

Parking > Parking Lot > 1,067 x Space = the assumed parking spaces and square footage (1,859,789 square feet) based on proportional representation of parking spaces and square footage in Phase 1. Phase 1 would include 1,070,904 square feet out of a proposed 2.4 million square feet while Phase 2 would include 1,329,096 square feet out of a proposed 2.4 million square feet. Therefore, Phase 1 would reasonably represent approximately 45 percent of the total project parking spaces and square footage and Phase 2 would

reasonably represent approximately 55 percent of the total project parking spaces and square footage.

Recreational > City Park > 17.29 x acre = Phase 2 landscaping, assumed to be the balance of the site after accounting for all other proposed uses.

It should be noted that the 47.1-acre conservation dedication was not modeled as the Project Applicant confirmed no earthwork or other construction activity would occur in this area.

- Note 3. According to telephone correspondence with the Project Applicant, Phase 1 construction is anticipated to begin January 2022 and occur over a total of 10 months, 5 days per week. CalEEMod default construction activity dates and durations were adjusted to reflect this information. Phase 2 is also anticipated to occur over 10 months and is conservatively assumed to occur immediately following completion of Phase 1. Therefore, the construction schedule in the models was adjusted to reflect this. Please see the Construction Schedule Adjustment sheet contained in this Appendix for more information.
- Note 4. According to telephone correspondence with the Project Applicant, no Rubber Tired Dozers would be utilized during site preparation activities for either project phase. Therefore, the construction equipment list in the models was adjusted to reflect this.
- Note 5. According to the RMW Architectural Interiors, Planning Submittal Drawings for Giovannoni Logistics Center, dated November 11, 2020, an estimated 5,400 cubic yards are anticipated to be imported during Phase 1 grading activities. According to telephone correspondence with the Project Applicant, grading activities for Phase 2 of the project are anticipated to balance on-site.
- Note 6. For the construction models, the worker vehicle trip distance was adjusted to reflect the project VMT contained in the W-Trans Traffic Impact Study prepared for the project, 16.24 VMT per person per day. As this VMT would represent all travel to and from the project site for employees, an average of 8.12 miles per vehicle trip was utilized in this analysis.¹
- Note 7. During all construction models, all operational emission sources were reduced to zero to isolate construction emission results.
- During all operational models, all construction emission sources were reduced to zero to isolate operational emission results.
- Note 8. BAAQMD *Basic Construction Mitigation Measures Recommended For All Proposed Projects* were applied to all construction models, which would be required under MM AIR-2a to ensure that the proposed project would result in a less-than-significant impact related to fugitive dust emissions during construction. This includes watering exposed areas at minimum twice per day and limiting construction vehicle speeds to 15 miles per hour on unpaved roads.

¹ W-Trans. 2021. Traffic Impact Study for the Giovannoni Logistics Center. March 11.

As the project exceeds the BAAQMD's significance threshold for ROG emissions during construction, MM AIR-2b would be required to reduce ROG emissions to less than significant levels. MM AIR-2b would require that "Low-VOC" (e.g., Low ROG) architectural coatings and paints be used during project construction which do not exceed 50 grams of VOC content per liter of product.

As the project exceeds the BAAQMD's significance threshold for ROG emissions during operation, MM AIR-2c would be required to reduce ROG emissions to the maximum extent feasible and enforceable. MM AIR-2c would require the use of electric landscaping equipment and the use of "Low-VOC" (e.g., Low ROG) architectural coatings and paints for any reapplication of architectural coatings which do not exceed 50 grams of VOC content per liter of product during project operation.

Note 9. W-Trans prepared a Traffic Impact Study (TIS) for the proposed project that analyzes the trip generation rates for the proposed project.² The TIS illustrates that at full buildout (Phases 1 and 2), the proposed project would generate an estimated 528 daily truck trips and 2,832 daily passenger vehicle trips. According to the TIS, passenger vehicles would travel an average of 16.24 VMT per person per day. As this VMT would represent all travel to and from the project site for employees, an average of 8.12 miles per vehicle trip was utilized in this analysis. According to correspondence with the Project Applicant, the anticipated port of product origin for truck trips would be the Port of Oakland, approximately 32.8 miles away. Therefore, trip distances and trip generation rates were adjusted in the project operation models to reflect this information.

According to telephone correspondence with the Project Applicant, trucks to serve the project upon operation are anticipated to have an average gross vehicle weight rating (GVWR) of 35,000 pounds. Therefore, the fleet mix for the proposed project was adjusted to reflect 100 percent of truck trips as classified under the Heavy Heavy-Duty (HHD) vehicle class and 100 percent of passenger vehicle trips as classified under the Light-Duty Auto (LDA), Light-Duty Truck Type 1 (LDT1), Light-Duty Truck Type 2 (LDT2), and Medium-Duty Vehicle (MDV) vehicle classes, according to their respective fleet proportions found in the California Air Resources Board's (ARB) EMFAC2017 database for the first year of full buildout (2023). Please refer to the Fleet Mix Adjustment sheet found in this Appendix for more information.

Phase 1 and Phase 2 operational models contain passenger vehicle activity while emissions associated with trucking activities were separated into their own Phase 1 Trucks and Phase 2 Trucks operational models.

Note 10. According to the Preliminary Water Demand Estimates prepared by cbg Civil Engineers, dated February 23, 2021, Building A (Warehouse-Rail) is estimated to generate an estimated demand of 3,292,665 gallons of indoor water consumption per year and Building B (Warehouse-No Rail) is estimated to generate an estimated demand of 2,565,220 gallons of indoor water consumption per year. According to the RMW Architecture Interiors Preliminary Planting Plan, contained as part of the Planning Submittal Drawings, dated

² W-Trans. 2021. Traffic Impact Study for the Giovannoni Logistics Center. March 11.

November 11, 2020, the proposed landscaping for all of Phase 1 would generate an estimated demand of 2,786,968 gallons of outdoor water consumption per year. Therefore, the indoor and outdoor water consumption factors in the operational models were adjusted to reflect this information. Model defaults were utilized for anticipated water consumption estimates for Phase 2 of the project.

Note 11. According to telephone correspondence with the Project Applicant, the proposed project may require the use of a back-up generator and fire pump for each proposed building. As at least 3 buildings are proposed, the operational models included the operation of 3 diesel back-up generators and 3 diesel fire pumps. According to BAAQMD's Regulation 2, Rule 5, the BAAQMD limits testing to no more than 50 hours per year. Therefore, in the absence of more detailed information, each stationary source included in the operational models are assumed to be rated for 50 horsepower and operate 48 hours per year with an average 4 hours of operation per day (e.g., one 4-hour maintenance period per month). The models for Phase 1 includes 2 back-up generators and 2 fire pumps and the models for Phase 2 includes 1 back-up generator and 1 fire pump.

Operational Fleet Mix - Napa County CalEEMod Default Fleet Mix Adjustments

Transportation Analysis Fleet Mix: ¹			
Trucks	528	ADT	15.71%
Passenger Vehicles	2,832	ADT	84.29%
Total	3,360	ADT	100%
Phase 1 Building Space	1,070,904	Square Feet	44.62%
Phase 2 Building Space	1,329,096	Square Feet	55.38%
Totals	2,400,000		

2022 Project Fleet Mix Adjustments (Phase 1)

Passenger Vehicle Classes	Fleet Mix Proportion ²	Adjusted Fleet Mix Proportions
LDA	0.519131	0.5792192
LDT1	0.05785	0.064546002
LDT2	0.17866	0.199339477
MDV	0.140619	0.156895321
<i>Total</i>	<i>0.89626</i>	<i>1</i>

2023 Project Fleet Mix Adjustments (Phase 2)

Passenger Vehicle Classes	Fleet Mix Proportion ²	Adjusted Fleet Mix Proportions
LDA	0.527728	0.58706958
LDT1	0.057239	0.06367537
LDT2	0.176957	0.196855334
MDV	0.136995	0.152399716
<i>Total</i>	<i>0.898919</i>	<i>1</i>

2030 Project Fleet Mix Adjustments

Passenger Vehicle Classes	Fleet Mix Proportion ²	Adjusted Fleet Mix Proportions
LDA	0.571798	0.627895434
LDT1	0.054112	0.05942077
LDT2	0.16696	0.183339959
MDV	0.117788	0.129343837
<i>Total</i>	<i>0.910658</i>	<i>1</i>

Notes/Sources:

¹ W-Trans. 2021. Traffic Impact Study for the Giovannoni Logistics Center. March 11.

² California Air Pollution Control Officers Association (CAPCOA). 2021. California Emissions Estimator Model (CalEEMod), Version 2020.4.0.35.

CalEEMod Default Construction Schedule (Phase 1)

<i>Activity Name</i>	<i>Total Days</i>	<i>Percent of Total</i>
Site Preparation	40	3%
Grading	110	8%
Building Construction	1,110	79%
Paving	75	5%
Architectural Coating	75	5%
Total	1,410	100%

Phase 1 Construction Schedule, Adjusted for 10 Months Duration

<i>Activity Name</i>	<i>Total Days</i>	<i>Percent of Total</i>
Site Preparation	6	3%
Grading	17	8%
Building Construction	168	79%
Paving	11	5%
Architectural Coating	11	5%
Total	214	100%

CalEEMod Default Construction Schedule (Phase 2)

<i>Activity Name</i>	<i>Total Days</i>	<i>Percent of Total</i>
Site Preparation	60	3%
Grading	155	8%
Building Construction	1,550	78%
Paving	110	6%
Architectural Coating	110	6%
Total	1,985	100%

Phase 2 Construction Schedule, Adjusted for 10 Months Duration

<i>Activity Name</i>	<i>Total Days</i>	<i>Percent of Total</i>
Site Preparation	6	3%
Grading	17	8%
Building Construction	167	78%
Paving	12	6%
Architectural Coating	12	6%
Total	214	100%

Pacific Gas Electric CO₂ Intensity Factor - 2030 Adjustment

Table 1. PG&E's 2018 Power Content Label

Power Source	Percent of Total Mix
Eligible Renewable	27.4%
Fossil Fuel-Fired	0.0%
Nuclear	41.7%
Large Hydroelectric	30.9%
Other	0.0%
Non-Renewable Total	72.6%
Total	100%

Table 3. PG&E's Anticipated 2030 Power Content Label¹

Power Source	Percent of Total Mix
Eligible Renewable	60%
Fossil Fuel-Fired	12%
Nuclear	16%
Large Hydroelectric	11%
Other	0%
Non-Renewable Total	40%
Total	100%

Table 2. PG&E's 2018 CO₂ Intensity Factors²

Power Source	Individual Intensity Factors (lbs CO ₂ /MWh)
Eligible Renewable	0
Fossil Fuel-Fired	898
Nuclear	284
Large Hydroelectric	284
Other	N/A
Weighted Average	206

Table 4. PG&E's 2030 CO₂ Intensity Factors³

Power Source	Individual Intensity Factors (lbs CO ₂ /MWh)
Eligible Renewable	0
Fossil Fuel-Fired	898
Nuclear	284
Large Hydroelectric	284
Other	N/A
Weighted Average	184

Notes:

¹ Adjustment to 2030 power mix is based on equal proportions of generation sources in 2018. The only factor that has been uniquely adjusted is the change of eligible renewable energy sources total proportion from 27.4% to 60% to comply with Senate Bill 100's 2030 performance goals.

² PG&E's total CO₂ emission intensity factor of 206 lbs/MWh and CO₂ emission intensity factor specifically for fossil fuel-fired generation sources of 898 lbs/MWh were identified in PG&E's 2020 Corporate Responsibility and Sustainability Report; however, the CO₂ emission intensity factor for other non-renewable sources were unknown. Therefore, the 2019 CO₂ emission intensity factor for all other non-renewable generation sources were identified based on the given overall 206 lbs/MWh and fossil fuel-fired 898 lbs/MWh values and the 2019 power content label using a convex combination equation. PG&E generation sources are identified in PG&E's Reports as nuclear, hydroelectric, fossil fuel-fired, and eligible renewable. Due to the lack of detailed information, nuclear and hydroelectric source were assumed to be equal, having an unweighted average CO₂ intensity factor of the provided 284 lbs/MWh. Eligible renewable sources were assumed to generate 0 lbs CO₂/MWh.

³ PG&E's 2030 CO₂ emission intensity factor is based on equal proportions of renewable and non-renewable generation sources in 2019, as seen in Table 3. The only factor that was uniquely adjusted was the change of eligible renewable energy sources total proportion from 27.4% to 60% to comply with Senate Bill 100's 2030 performance goals. The CO₂ emission intensity factor is the weighted average using the adjusted renewable generation proportion (see Table 3) and the identified owned source intensity factors for 2019 (see Table 2).

Phase 1 Truck Emissions Summary

Air Pollutant	Daily Mass Emissions (pounds)	Daily Mass Emissions (tons)	Annual Mass Emissions (tons)
Nitrogen Oxides (NO _x)	101.06	0.05	18.44
Particulate Matter, aerodynamic diameter of 2.5 microns or less (PM _{2.5})	1.59	0.00	0.29
Particulate Matter, aerodynamic diameter of 10 microns or less (PM ₁₀)	3.02	0.00	0.55
Reactive Organic Gases (ROG)	3.06	0.00	0.56
Total Organic Gases (TOG)	3.49	0.00	0.64
Carbon Monoxide (CO)	22.98	0.01	4.19
Sulfur Oxides (SO _x)	0.42	0.00	0.08
Carbon Dioxide Equivalent (CO ₂ e)	37,484.95	17.00	6,206.06

Note: CO₂e values are expressed in pounds per day and metric tons per year.

Average One-Way Daily Truck Trips: ¹	528
Phase 1 Proportion of Building Space:	44.62%
Phase 1 Truck Population:	118
Assumed Travel Distance (miles):	32.8

Sources:

¹ W-Trans. 2021. Traffic Impact Study for the Giovannoni Logistics Center. March 11.

Phase 1 Trucking GHG Emissions and Global Warming Potentials

Climate Forcing Pollutants	100-Year Global Warming Potentials¹	Daily Mobile Emissions (pounds)	Carbon Dioxide Equivalent (CO₂e)
Methane (CH ₄)	298	0.14	42.41
Nitrous Oxide (N ₂ O)	25	5.86	146.56
Carbon Dioxide (CO ₂)	1	37,295.98	37,295.98
Total Daily CO₂e (pounds):			37,484.95
Total Daily CO₂e (metric tons):			17.00

Sources:

¹ Intergovernmental Panel on Climate Change (IPCC). 2014. Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland, 151 pp. Website: https://www.ipcc.ch/site/assets/uploads/2018/02/SYR_AR5_FINAL_full.pdf. Accessed November 19, 2020.

² W-Trans. 2021. Traffic Impact Study for the Giovannoni Logistics Center. March 11.

Source: EMFAC2017 (v1.0.3) Emission Rates
 Region Type: County
 Region: Napa
 Calendar Year: 2022, 2023, 2030
 Season: Annual
 Vehicle Classification: EMFAC2007 Categories
 Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX, RESTLOSS and DIURN

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips
Napa		2022 HHDT	Aggregate	Aggregate	Diesel	1062.456744	114944.1524	10519.59168
	NOx_RUNEX	NOx_IDLEX	NOx_STREX					
		3.71079858	58.258309	2.163947368				
	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW			
		0.034282869	0.042863994	0	0.008801786	0.025877251		
	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW			
		0.035832989	0.044802113	0	0.035207144	0.060380252		
	CO2_RUNEX	CO2_IDLEX	CO2_STREX					
		1512.83886	10480.00175	0				
	CH4_RUNEX	CH4_IDLEX	CH4_STREX					
		0.004049099	0.191661502	0				
	N2O_RUNEX	N2O_IDLEX	N2O_STREX					
		0.237797201	1.647310332	0				
	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	
		0.087175994	4.12641958	0	0	0	0	0
	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_HOTSOAK	TOG_RUNLOSS	TOG_RESTLOSS	TOG_DIURN	
		0.099243233	4.697614584	0	0	0	0	0
	CO_RUNEX	CO_IDLEX	CO_STREX					
		0.375497441	55.43817182	0				
	SOx_RUNEX	SOx_IDLEX	SOx_STREX					
		0.014292551	0.09900986	0				

EMFAC2017 Default Values and Project Values Based on Daily Truck Trips in W-Trans Traffic Impact Study				
	Vehicle Miles Traveled (VMT)	VMT Proportion	Vehicle Population	Vehicle Trips
EMFAC2017 Default County Estimates:	114,944.15	100.00%	1,062	10,520
Project Estimates:	10,366.35	9.02%	118	236

NO _x Emissions Summary	
Daily NO _x Emissions (pounds):	101.06
Daily NO _x Emissions (tons):	0.05
Grams to Pounds Conversion:	453.592 g/lb

	NO _x _RUNEX (gram/mile)	NO _x _IDLEX (gram/vehicle)	NO _x _STREX (gram/trip)	NO _x _RUNEX (grams)	NO _x _IDLEX (grams)	NO _x _STREX (grams)
	3.71079858	58.258309	2.163947368	38,467.44	6,862.80	509.82
Totals	-	-	-	38,467.44	6,862.80	509.82
				Subtotals (pounds):	84.81	15.13
				Daily NO_x Emissions (pounds):	101.06	

PM _{2.5} Emissions Summary	
Daily PM _{2.5} Emissions (pounds):	1.59
Daily PM _{2.5} Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	PM2.5_RUNEX (grams/mile)	PM2.5_IDLEX (grams/vehicle)	PM2.5_STREX (grams/trip)	PM2.5_PMTW (grams/mile)	PM2.5_PMBW (grams/mile)	PM2.5_RUNEX (grams)	PM2.5_IDLEX (grams)	PM2.5_STREX (grams)	PM2.5_PMTW (grams)	PM2.5_PMBW (grams)
	0.034282869	0.042863994	0	0.008801786	0.025877251	355.39	5.05	-	91.24	268.25
Totals	-	-	-	-	-	355.39	5.05	-	91.24	268.25
						Subtotals (pounds):	0.78	0.01	0.20	0.59
						Daily PM_{2.5} Emissions (pounds):	1.59			

PM ₁₀ Emissions Summary	
Daily PM ₁₀ Emissions (pounds):	3.02
Daily PM ₁₀ Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	PM10_RUNEX (grams/mile)	PM10_IDLEX (grams/vehicle)	PM10_STREX (grams/trip)	PM10_PMTW (grams/mile)	PM10_PMBW (grams/mile)	PM2.5_RUNEX (grams)	PM2.5_IDLEX (grams)	PM2.5_STREX (grams)	PM2.5_PMTW (grams)	PM2.5_PMBW (grams)
	0.035832989	0.044802113	0	0.035207144	0.060380252	371.46	5.28	-	364.97	625.92
Totals	-	-	-	-	-	371.46	5.28	-	364.97	625.92
						Subtotals (pounds):	0.82	0.01	0.80	1.38
						Daily PM₁₀ Emissions (pounds):	3.02			

CO ₂ Emissions Summary	
Daily CO ₂ Emissions (pounds):	37,295.98
Daily CO ₂ Emissions (metric tons):	16.92
Grams to Pounds Conversion:	453.592 g/lb
Pounds to Metric Tons Conversion:	2204.62 lbs/MT

	CO ₂ _RUNEX (grams/mile)	CO ₂ _IDLEX (grams/vehicle)	CO ₂ _STREX (grams/trip)	CO ₂ _RUNEX (grams)	CO ₂ _IDLEX (grams)	CO ₂ _STREX (grams)
	1512.83886	10480.00175	0	15,682,618.20	1,234,538.34	-
Totals	-	-	-	15682618.2	1234538.337	0
	Subtotals (pounds):			34,574.28	2,721.69	-
	Daily CO₂ Emissions (pounds):			37,295.98		

CH ₄ Emissions Summary	
Daily CH ₄ Emissions (pounds):	0.14
Daily CH ₄ Emissions (metric tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb
Pounds to Metric Tons Conversion:	2204.62 lbs/MT

	CH ₄ _RUNEX (grams/mile)	CH ₄ _IDLEX (grams/vehicle)	CH ₄ _STREX (grams/trip)	CH ₄ _RUNEX (grams)	CH ₄ _IDLEX (grams)	CH ₄ _STREX (grams)
	0.004049099	0.191661502	0	41.97	22.58	-
Totals	-	-	-	41.9743816	22.57761761	0
	Subtotals (pounds):			0.09	0.05	-
	Daily CH₄ Emissions (pounds):			0.14		

ROG Emissions Summary	
Daily ROG Emissions (pounds):	3.06
Daily ROG Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	ROG_RUNEX (grams/mile)	ROG_IDLEX (grams/vehicle)	ROG_STREX (grams/trip)	ROG_HOTSOAK (grams/trip)	ROG_RUNLOSS (grams/trip)	ROG_RESTLOSS (grams/vehicle)	ROG_DIURN (grams/vehicle)	ROG_RUNEX (grams)	ROG_IDLEX (grams)	ROG_STREX (grams)	ROG_HOTSOAK (grams)	ROG_RUNLOSS (grams)	ROG_RESTLOSS (grams)	ROG_DIURN (grams)
	0.087175994	4.12641958	0	0	0	0	0	903.70	486.09	-	-	-	-	-
Totals	-	-	-	-	-	-	-	903.70	486.09	-	-	-	-	-
	Subtotals (pounds):							1.99	1.07	-	-	-	-	-
	Daily ROG Emissions (pounds):			3.06										

TOG Emissions Summary	
Daily TOG Emissions (pounds):	3.49
Daily TOG Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	TOG_RUNEX (grams/mile)	TOG_IDLEX (grams/vehicle)	TOG_STREX (grams/trip)	TOG_HOTSOAK (grams/trip)	TOG_RUNLOSS (grams/trip)	TOG_RESTLOSS (grams/vehicle)	TOG_DIURN (grams/vehicle)	TOG_RUNEX (grams)	TOG_IDLEX (grams)	TOG_STREX (grams)	TOG_HOTSOAK (grams)	TOG_RUNLOSS (grams)	TOG_RESTLOSS (grams)	TOG_DIURN (grams)
	0.099243233	4.697614584	0	0	0	0	0	1,028.79	553.38	-	-	-	-	-
Totals	-	-	-	-	-	-	-	1,028.79	553.38	-	-	-	-	-
	Subtotals (pounds):							2.27	1.22	-	-	-	-	-
	Daily TOG Emissions (pounds):			3.49										

CO Emissions Summary	
Daily CO Emissions (pounds):	22.98
Daily CO Emissions (tons):	0.01
Grams to Pounds Conversion:	453.592 g/lb

	CO_RUNEX (grams/mile)	CO_IDLEX (grams/vehicle)	CO_STREX (grams/trip)	CO_RUNEX (grams)	CO_IDLEX (grams)	CO_STREX (grams)
	0.375497441	55.43817182	0	3,892.54	6,530.59	-
Totals	-	-	-	3892.538171	6530.585596	0
				Subtotals (pounds):	8.58	14.40
				Daily CO Emissions (pounds):	22.98	

SO _x Emissions Summary	
Daily SO _x Emissions (pounds):	0.35
Daily SO _x Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	SO _x _RUNEX (grams/mile)	SO _x _IDLEX (grams/vehicle)	SO _x _STREX (grams/trip)	SO _x _RUNEX (grams)	SO _x _IDLEX (grams)	SO _x _STREX (grams)
	0.014292551	0.09900986	0	148.16	11.66	-
Totals	-	-	-	148.1616006	11.66330607	0
				Subtotals (pounds):	0.33	0.03
				Daily SO_x Emissions (pounds):	0.35	

N ₂ O Emissions Summary	
Daily N ₂ O Emissions (pounds):	5.86
Daily N ₂ O Emissions (metric tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb
Pounds to Metric Tons Conversion:	2204.62 lbs/MT

	N2O_RUNEX (grams/mile)	N2O_IDLEX (grams/vehicle)	N2O_STREX (grams/trip)	N2O_RUNEX (grams)	N2O_IDLEX (grams)	N2O_STREX (grams)
	0.237797201	1.647310332	0	2,465.09	194.05	-
Totals	-	-	-	2465.089188	194.0522346	0
				Subtotals (pounds):	5.43	0.43
				Daily N₂O Emissions (pounds):	5.86	

Phase 1 Transport Refrigeration Unit Emissions

TRU Assumptions

Phase 1 Truck Population:	118	
Average One-Way Daily Truck Trips: ¹	528	
Phase 1 Proportion of Building Space:	44.62%	
Hours On-site: ²	4 Hours/Day	2 hours unloading, 2 hours loading.
Hours Off-site:	2 Hours/Day	1 hours to, 1 hours from project site when traveling to/from Port of Oakland.
Emission Factors: ³		
	PM10	0.7074 g/hr
	PM2.5	0.6508 g/hr
	NOx	48.8620 g/hr
	CO	71.0800 g/hr
	ROG	5.6876 g/hr
	SOx	0.0108 g/hr
	CO2	1177.8485 g/hr

TRU Emissions Analysis:

Total On-Site Operation:	171,987 Hours/Year
Total Off-Site Operation:	85,994 Hours/Year

Emission Estimates Across Entire Project

	On-Site	Off-Site	Total	Metric
PM10	0.13	0.07	0.20	US Tons/Year
PM2.5	0.12	0.06	0.19	US Tons/Year
NOx	9.26	4.63	13.90	US Tons/Year
CO	13.48	6.74	20.21	US Tons/Year
ROG	1.08	0.54	1.62	US Tons/Year
SOx	0.00	0.00	0.00	US Tons/Year
CO2	223.30	111.65	334.95	Metric Tons/Year

Sources:

- 1 W-Trans. 2021. Traffic Impact Study for the Giovannoni Logistics Center. March 11.
- 2 California Air Resources Board (ARB). 2021. Appendix I Health Analyses: Transport Refrigeration Units. Website: <https://ww3.arb.ca.gov/board/rulemaking/tru2021/appi.pdf>. Accessed August 17, 2021.
- 3 California Air Resources Board (ARB). 2021. OFFROAD2017 (v1.0.1) Emissions Inventory, Napa County, Calendar Year 2022, All Adopted Rules - Exhaust, TRU - Instate Trailers, TRU - Instate Truck, TRU - Instate Van, TRU - Instate Genset, TRU - Out-of-State Genset, TRU - Out-of-State Trailer, Aggregated Model Year, 25 & 50 Horsepower, Diesel Fuel Type. Website: <https://ww3.arb.ca.gov/board/rulemaking/tru2021/apph.pdf>. Accessed August 17, 2021.

Phase 2 Truck Emissions Summary

Air Pollutant	Daily Mass Emissions (pounds)	Daily Mass Emissions (tons)	Annual Mass Emissions (tons)
Nitrogen Oxides (NO _x)	99.00	0.05	18.07
Particulate Matter, aerodynamic diameter of 2.5 microns or less (PM _{2.5})	1.65	0.00	0.30
Particulate Matter, aerodynamic diameter of 10 microns or less (PM ₁₀)	3.41	0.00	0.62
Reactive Organic Gases (ROG)	2.00	0.00	0.37
Total Organic Gases (TOG)	2.28	0.00	0.42
Carbon Monoxide (CO)	25.76	0.01	4.70
Sulfur Oxides (SO _x)	0.42	0.00	0.08
Carbon Dioxide Equivalent (CO ₂ e)	44,141.86	20.02	7,308.19

Note: CO₂e values are expressed in pounds per day and metric tons per year.

Average One-Way Daily Truck Trips: ¹	528
Phase 2 Proportion of Building Space:	55.38%
Truck Population:	146
Assumed Travel Distance (miles):	32.8

Sources:

¹ W-Trans. 2021. Traffic Impact Study for the Giovannoni Logistics Center. March 11.

Phase 2 Trucking GHG Emissions and Global Warming Potentials

Climate Forcing Pollutants	100-Year Global Warming Potentials ¹	Daily Mobile Emissions (pounds)	Carbon Dioxide Equivalent (CO ₂ e)
Methane (CH ₄)	298	0.09	27.74
Nitrous Oxide (N ₂ O)	25	6.91	172.67
Carbon Dioxide (CO ₂)	1	43,941.45	43,941.45
		Total Daily CO₂e (pounds):	44,141.86
		Total Daily CO₂e (metric tons):	20.02

Sources:

¹ Intergovernmental Panel on Climate Change (IPCC). 2014. Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland, 151 pp. Website: https://www.ipcc.ch/site/assets/uploads/2018/02/SYR_AR5_FINAL_full.pdf. Accessed November 19, 2020.

² W-Trans. 2021. Traffic Impact Study for the Giovannoni Logistics Center. March 11.

Source: EMFAC2017 (v1.0.3) Emission Rates

Region Type: County

Region: Napa

Calendar Year: 2022, 2023, 2030

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX, RESTLOSS and DIURN

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips
Napa		2023 HHDT	Aggregate	Aggregate	Diesel	1079.072009	117467.5861	10669.54154
NOx_RUNEX		NOx_IDLEX	NOx_STREX					
		2.828086503	53.28520118	2.501352634				
PM2.5_RUNEX		PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW			
		0.023273558	0.029423365	0	0.008807966	0.02589542		
PM10_RUNEX		PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW			
		0.024325885	0.030753759	0	0.035231864	0.060422646		
CO2_RUNEX		CO2_IDLEX	CO2_STREX					
		1434.649852	10080.58075	0				
CH4_RUNEX		CH4_IDLEX	CH4_STREX					
		0.001126148	0.189735158	0				
N2O_RUNEX		N2O_IDLEX	N2O_STREX					
		0.225506978	1.584526914	0				
ROG_RUNEX		ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	
		0.024245657	4.084945925	0	0	0	0	0
TOG_RUNEX		TOG_IDLEX	TOG_STREX	TOG_HOTSOAK	TOG_RUNLOSS	TOG_RESTLOSS	TOG_DIURN	
		0.027601835	4.650399984	0	0	0	0	0
CO_RUNEX		CO_IDLEX	CO_STREX					
		0.234776774	59.25383204	0				
SOx_RUNEX		SOx_IDLEX	SOx_STREX					
		0.01355386	0.095236329	0				

EMFAC2017 Default Values and Project Values Based on Daily Truck Trips in W-Trans Traffic Impact Study				
	Vehicle Miles Traveled (VMT)	VMT Proportion	Vehicle Population	Vehicle Trips
EMFAC2017 Default County Estimates:	117,467.59	100.00%	1,079	10,670
Project Estimates:	12,865.65	10.95%	146	292

NO _x Emissions Summary	
Daily NO _x Emissions (pounds):	99.00
Daily NO _x Emissions (tons):	0.05
Grams to Pounds Conversion:	453.592 g/lb

	NO _x _RUNEX (gram/mile)	NO _x _IDLEX (gram/vehicle)	NO _x _STREX (gram/trip)	NO _x _RUNEX (grams)	NO _x _IDLEX (grams)	NO _x _STREX (grams)
	2.828086503	53.28520118	2.501352634	36,385.17	7,790.33	731.40
Totals	-	-	-	36,385.17	7,790.33	731.40
				Subtotals (pounds):	80.22	17.17
				Daily NO_x Emissions (pounds):	99.00	

PM _{2.5} Emissions Summary	
Daily PM _{2.5} Emissions (pounds):	1.65
Daily PM _{2.5} Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	PM2.5_RUNEX (grams/mile)	PM2.5_IDLEX (grams/vehicle)	PM2.5_STREX (grams/trip)	PM2.5_PMTW (grams/mile)	PM2.5_PMBW (grams/mile)	PM2.5_RUNEX (grams)	PM2.5_IDLEX (grams)	PM2.5_STREX (grams)	PM2.5_PMTW (grams)	PM2.5_PMBW (grams)
	0.023273558	0.029423365	0	0.008807966	0.02589542	299.43	4.30	-	113.32	333.16
Totals	-	-	-	-	-	299.43	4.30	-	113.32	333.16
						Subtotals (pounds):	0.66	0.01	0.25	0.73
						Daily PM_{2.5} Emissions (pounds):	1.65			

PM ₁₀ Emissions Summary	
Daily PM ₁₀ Emissions (pounds):	3.41
Daily PM ₁₀ Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	PM10_RUNEX (grams/mile)	PM10_IDLEX (grams/vehicle)	PM10_STREX (grams/trip)	PM10_PMTW (grams/mile)	PM10_PMBW (grams/mile)	PM2.5_RUNEX (grams)	PM2.5_IDLEX (grams)	PM2.5_STREX (grams)	PM2.5_PMTW (grams)	PM2.5_PMBW (grams)
	0.024325885	0.030753759	0	0.035231864	0.060422646	312.97	4.50	-	453.28	777.38
Totals	-	-	-	-	-	312.97	4.50	-	453.28	777.38
						Subtotals (pounds):	0.69	0.01	1.00	1.71
						Daily PM₁₀ Emissions (pounds):	3.41			

CO ₂ Emissions Summary	
Daily CO ₂ Emissions (pounds):	43,941.45
Daily CO ₂ Emissions (metric tons):	19.93
Grams to Pounds Conversion:	453.592 g/lb
Pounds to Metric Tons Conversion:	2204.62 lbs/MT

	CO ₂ _RUNEX (grams/mile)	CO ₂ _IDLEX (grams/vehicle)	CO ₂ _STREX (grams/trip)	CO ₂ _RUNEX (grams)	CO ₂ _IDLEX (grams)	CO ₂ _STREX (grams)
	1434.649852	10080.58075	0	18,457,701.83	1,473,786.55	-
Totals	-	-	-	18457701.83	1473786.551	0
	Subtotals (pounds):			40,692.30	3,249.15	-
	Daily CO ₂ Emissions (pounds):			43,941.45		

CH ₄ Emissions Summary	
Daily CH ₄ Emissions (pounds):	0.09
Daily CH ₄ Emissions (metric tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb
Pounds to Metric Tons Conversion:	2204.62 lbs/MT

	CH ₄ _RUNEX (grams/mile)	CH ₄ _IDLEX (grams/vehicle)	CH ₄ _STREX (grams/trip)	CH ₄ _RUNEX (grams)	CH ₄ _IDLEX (grams)	CH ₄ _STREX (grams)
	0.001126148	0.189735158	0	14.49	27.74	-
Totals	-	-	-	14.48862476	27.73938637	0
	Subtotals (pounds):			0.03	0.06	-
	Daily CH ₄ Emissions (pounds):			0.09		

ROG Emissions Summary	
Daily ROG Emissions (pounds):	2.00
Daily ROG Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	ROG_RUNEX (grams/mile)	ROG_IDLEX (grams/vehicle)	ROG_STREX (grams/trip)	ROG_HOTSOAK (grams/trip)	ROG_RUNLOSS (grams/trip)	ROG_RESTLOSS (grams/vehicle)	ROG_DIURN (grams/vehicle)	ROG_RUNEX (grams)	ROG_IDLEX (grams)	ROG_STREX (grams)	ROG_HOTSOAK (grams)	ROG_RUNLOSS (grams)	ROG_RESTLOSS (grams)	ROG_DIURN (grams)
	0.024245657	4.084945925	0	0	0	0	0	311.94	597.22	-	-	-	-	-
Totals	-	-	-	-	-	-	-	311.94	597.22	-	-	-	-	-
	Subtotals (pounds):			0.69			1.32			-				
	Daily ROG Emissions (pounds):			2.00										

TOG Emissions Summary	
Daily TOG Emissions (pounds):	2.28
Daily TOG Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	TOG_RUNEX (grams/mile)	TOG_IDLEX (grams/vehicle)	TOG_STREX (grams/trip)	TOG_HOTSOAK (grams/trip)	TOG_RUNLOSS (grams/trip)	TOG_RESTLOSS (grams/vehicle)	TOG_DIURN (grams/vehicle)	TOG_RUNEX (grams)	TOG_IDLEX (grams)	TOG_STREX (grams)	TOG_HOTSOAK (grams)	TOG_RUNLOSS (grams)	TOG_RESTLOSS (grams)	TOG_DIURN (grams)
	0.027601835	4.650399984	0	0	0	0	0	355.12	679.89	-	-	-	-	-
Totals	-	-	-	-	-	-	-	355.12	679.89	-	-	-	-	-
	Subtotals (pounds):			0.78			1.50			-				
	Daily TOG Emissions (pounds):			2.28										

CO Emissions Summary	
Daily CO Emissions (pounds):	25.76
Daily CO Emissions (tons):	0.01
Grams to Pounds Conversion:	453.592 g/lb

	CO_RUNEX (grams/mile)	CO_IDLEX (grams/vehicle)	CO_STREX (grams/trip)	CO_RUNEX (grams)	CO_IDLEX (grams)	CO_STREX (grams)
	0.234776774	59.25383204	0	3,020.56	8,662.94	-
Totals	-	-	-	3020.555635	8662.943426	0
				Subtotals (pounds):	6.66	19.10
				Daily CO Emissions (pounds):	25.76	

SO _x Emissions Summary	
Daily SO _x Emissions (pounds):	0.42
Daily SO _x Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	SO _x _RUNEX (grams/mile)	SO _x _IDLEX (grams/vehicle)	SO _x _STREX (grams/trip)	SO _x _RUNEX (grams)	SO _x _IDLEX (grams)	SO _x _STREX (grams)
	0.01355386	0.095236329	0	174.38	13.92	-
Totals	-	-	-	174.3792148	13.92360456	0
				Subtotals (pounds):	0.38	0.03
				Daily SO_x Emissions (pounds):	0.42	

N ₂ O Emissions Summary	
Daily N ₂ O Emissions (pounds):	6.91
Daily N ₂ O Emissions (metric tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb
Pounds to Metric Tons Conversion:	2204.62 lbs/MT

	N2O_RUNEX (grams/mile)	N2O_IDLEX (grams/vehicle)	N2O_STREX (grams/trip)	N2O_RUNEX (grams)	N2O_IDLEX (grams)	N2O_STREX (grams)
	0.225506978	1.584526914	0	2,901.29	231.66	-
Totals	-	-	-	2901.29369	231.6587222	0
				Subtotals (pounds):	6.40	0.51
				Daily N₂O Emissions (pounds):	6.91	

Phase 2 Transport Refrigeration Unit Emissions

TRU Assumptions

Phase 2 Truck Population:	146	
Average One-Way Daily Truck Trips: ¹	528	
Phase 2 Proportion of Building Space:	55.38%	
Hours On-site: ²	4 Hours/Day	2 hours unloading, 2 hours loading.
Hours Off-site:	2 Hours/Day	1 hours to, 1 hours from project site when traveling to/from Port of Oakland.
Emission Factors: ³		
	PM10	0.6519 g/hr
	PM2.5	0.5997 g/hr
	NOx	48.8901 g/hr
	CO	73.2068 g/hr
	ROG	5.9321 g/hr
	SOx	0.0108 g/hr
	CO2	1177.5548 g/hr

TRU Emissions Analysis:

Total On-Site Operation:	213,453	Hours/Year
Total Off-Site Operation:	106,726	Hours/Year

Emission Estimates Across Entire Project

	On-Site	Off-Site	Total	Metric
PM10	0.15	0.08	0.23	US Tons/Year
PM2.5	0.14	0.07	0.21	US Tons/Year
NOx	11.50	5.75	17.26	US Tons/Year
CO	17.22	8.61	25.84	US Tons/Year
ROG	1.40	0.70	2.09	US Tons/Year
SOx	0.00	0.00	0.00	US Tons/Year
CO2	277.07	138.53	415.60	Metric Tons/Year

Sources:

- 1 W-Trans. 2021. Traffic Impact Study for the Giovannoni Logistics Center. March 11.
- 2 California Air Resources Board (ARB). 2021. Appendix I Health Analyses: Transport Refrigeration Units. Website: <https://ww3.arb.ca.gov/board/rulemaking/tru2021/appi.pdf>. Accessed August 17, 2021.
- 3 California Air Resources Board (ARB). 2021. OFFROAD2017 (v1.0.1) Emissions Inventory, Napa County, Calendar Year 2023, All Adopted Rules - Exhaust, TRU - Instate Trailers, TRU - Instate Truck, TRU - Instate Van, TRU - Instate Genset, TRU - Out-of-State Genset, TRU - Out-of-State Trailer, Aggregated Model Year, 25 & 50 Horsepower, Diesel Fuel Type. Website: <https://ww3.arb.ca.gov/board/rulemaking/tru2021/apph.pdf>. Accessed August 17, 2021.

Total 2030 Transport Refrigeration Unit Emissions

TRU Assumptions

Phase 1 Truck Population:	264
Average One-Way Daily Truck Trips: ¹	528
Phase 1 Proportion of Building Space:	44.62%
Phase 2 Proportion of Building Space:	55.38%

Hours On-site: ²	4 Hours/Day	2 hours unloading, 2 hours loading.
Hours Off-site:	2 Hours/Day	1 hours to, 1 hours from project site when traveling to/from Port of Oakland.

Emission Factors: ³		
	PM10	0.4376 g/hr
	PM2.5	0.4026 g/hr
	NOx	48.0910 g/hr
	CO	76.3297 g/hr
	ROG	6.2614 g/hr
	SOx	0.0108 g/hr
	CO2	1176.2244 g/hr

TRU Emissions Analysis:

Total On-Site Operation:	385,440 Hours/Year
Total Off-Site Operation:	192,720 Hours/Year

Emission Estimates Across Entire Project

	On-Site	Off-Site	Total	Metric
PM10	0.19	0.09	0.28	US Tons/Year
PM2.5	0.17	0.09	0.26	US Tons/Year
NOx	20.43	10.22	30.65	US Tons/Year
CO	32.43	16.22	48.65	US Tons/Year
ROG	2.66	1.33	3.99	US Tons/Year
SOx	0.00	0.00	0.01	US Tons/Year
CO2	499.75	249.87	749.62	Metric Tons/Year

Sources:

- 1 W-Trans. 2021. Traffic Impact Study for the Giovannoni Logistics Center. March 11.
- 2 California Air Resources Board (ARB). 2021. Appendix I Health Analyses: Transport Refrigeration Units. Website: <https://ww3.arb.ca.gov/board/rulemaking/tru2021/appi.pdf>. Accessed August 17, 2021.
- 3 California Air Resources Board (ARB). 2021. OFFROAD2017 (v1.0.1) Emissions Inventory, Solano County, Calendar Year 2023, All Adopted Rules - Exhaust, TRU - Instate Trailers, TRU - Instate Truck, TRU - Instate Van, TRU - Instate Genset, TRU - Out-of-State Genset, TRU - Out-of-State Trailer, Aggregated Model Year, 25 & 50 Horsepower, Diesel Fuel Type. Website: <https://ww3.arb.ca.gov/board/rulemaking/tru2021/apph.pdf>. Accessed August 17, 2021.

2014 Model Year Truck Emissions Summary (MM AIR-2d)

Air Pollutant	Daily Mass Emissions (pounds)	Daily Mass Emissions (tons)	Annual Mass Emissions (tons)	Phase 1 Annual Emissions (tons)	Phase 2 Annual Emissions (tons)
Nitrogen Oxides (NO _x)	174.94	0.09	31.93	14.25	17.68
Particulate Matter, aerodynamic diameter of 2.5 microns or less (PM _{2.5})	3.04	0.00	0.56	0.25	0.31
Particulate Matter, aerodynamic diameter of 10 microns or less (PM ₁₀)	6.18	0.00	1.13	0.50	0.62
Reactive Organic Gases (ROG)	3.67	0.00	0.67	0.30	0.37
Total Organic Gases (TOG)	4.18	0.00	0.76	0.34	0.42
Carbon Monoxide (CO)	49.97	0.02	9.12	4.07	5.05
Sulfur Oxides (SO _x)	0.75	0.00	0.14	0.06	0.08
Carbon Dioxide Equivalent (CO ₂ e)	79,580.15	36.10	13,175.40	5,879.00	7,296.41

Note: CO₂e values are expressed in pounds per day and metric tons per year.

Average One-Way Daily Truck Trips:¹ 528
 Truck Population: 264
 Assumed Travel Distance (miles): 32.8

Phase 1 Proportion of Building Space: 44.62%
 Phase 2 Proportion of Building Space: 55.38%

Sources:

¹ W-Trans. 2021. Traffic Impact Study for the Giovannoni Logistics Center. March 11.

GHG Emissions and Global Warming Potentials

Climate Forcing Pollutants	100-Year Global Warming Potentials¹	Daily Mobile Emissions (pounds)	Carbon Dioxide Equivalent (CO₂e)
Methane (CH ₄)	298	0.17	50.86
Nitrous Oxide (N ₂ O)	25	12.45	311.30
Carbon Dioxide (CO ₂)	1	79,217.99	79,217.99
Total Daily CO₂e (pounds):			79,580.15
Total Daily CO₂e (metric tons):			36.10

Sources:

¹ Intergovernmental Panel on Climate Change (IPCC). 2014. Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland, 151 pp. Website: https://www.ipcc.ch/site/assets/uploads/2018/02/SYR_AR5_FINAL_full.pdf. Accessed November 19, 2020.

² W-Trans. 2021. Traffic Impact Study for the Giovannoni Logistics Center. March 11.

Source: EMFAC2017 (v1.0.3) Emission Rates

Region Type: County

Region: Napa

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX, RESTLOSS and DIURN

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips
Napa	2022	HHDT	2014	Aggregate	Diesel	74.89138258	8761.846792	849.1717934
NOx_RUNEX		NOx_IDLEX	NOx_STREX					
	2.778844551	50.80636429	2.613874323					
PM2.5_RUNEX		PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW			
	0.025035437	0.017506165	0	0.008675647	0.025506401			
PM10_RUNEX		PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW			
	0.026167428	0.018297716	0	0.034702587	0.059514936			
CO2_RUNEX		CO2_IDLEX	CO2_STREX					
	1426.726851	10556.5423	0					
CH4_RUNEX		CH4_IDLEX	CH4_STREX					
	0.001063029	0.199698455	0					
N2O_RUNEX		N2O_IDLEX	N2O_STREX					
	0.224261593	1.65934144	0					
ROG_RUNEX		ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_RESTLOSS	ROG_DIURN	
	0.022886715	4.299452976	0	0	0	0	0	
TOG_RUNEX		TOG_IDLEX	TOG_STREX	TOG_HOTSOAK	TOG_RUNLOSS	TOG_RESTLOSS	TOG_DIURN	
	0.026054783	4.894599933	0	0	0	0	0	
CO_RUNEX		CO_IDLEX	CO_STREX					
	0.253787136	63.52794194	0					
SOx_RUNEX		SOx_IDLEX	SOx_STREX					
	0.013479008	0.099732977	0					

EMFAC2017 Default Values and Project Values Based on Daily Truck Trips in W-Trans Traffic Impact Study				
	Vehicle Miles Traveled (VMT)	VMT Proportion	Vehicle Population	Vehicle Trips
EMFAC2017 Default County Estimates:	8,761.85	100.00%	75	849
Project Estimates:	23,232.00	265.15%	264	528

NO _x Emissions Summary	
Daily NO _x Emissions (pounds):	174.94
Daily NO _x Emissions (tons):	0.09
Grams to Pounds Conversion:	453.592 g/lb

	NO _x _RUNEX (gram/mile)	NO _x _IDLEX (gram/vehicle)	NO _x _STREX (gram/trip)	NO _x _RUNEX (grams)	NO _x _IDLEX (grams)	NO _x _STREX (grams)
	2.778844551	50.80636429	2.613874323	64,558.12	13,412.88	1,380.13
Totals	-	-	-	64,558.12	13,412.88	1,380.13
				Subtotals (pounds):	142.33	29.57
				Daily NO_x Emissions (pounds):	174.94	

PM _{2.5} Emissions Summary	
Daily PM _{2.5} Emissions (pounds):	3.04
Daily PM _{2.5} Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	PM2.5_RUNEX (grams/mile)	PM2.5_IDLEX (grams/vehicle)	PM2.5_STREX (grams/trip)	PM2.5_PMTW (grams/mile)	PM2.5_PMBW (grams/mile)	PM2.5_RUNEX (grams)	PM2.5_IDLEX (grams)	PM2.5_STREX (grams)	PM2.5_PMTW (grams)	PM2.5_PMBW (grams)
	0.025035437	0.017506165	0	0.008675647	0.025506401	581.62	4.62	-	201.55	592.56
Totals	-	-	-	-	-	581.62	4.62	-	201.55	592.56
						Subtotals (pounds):	1.28	0.01	0.44	1.31
						Daily PM_{2.5} Emissions (pounds):	3.04			

PM ₁₀ Emissions Summary	
Daily PM ₁₀ Emissions (pounds):	6.18
Daily PM ₁₀ Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	PM10_RUNEX (grams/mile)	PM10_IDLEX (grams/vehicle)	PM10_STREX (grams/trip)	PM10_PMTW (grams/mile)	PM10_PMBW (grams/mile)	PM2.5_RUNEX (grams)	PM2.5_IDLEX (grams)	PM2.5_STREX (grams)	PM2.5_PMTW (grams)	PM2.5_PMBW (grams)
	0.026167428	0.018297716	0	0.034702587	0.059514936	607.92	4.83	-	806.21	1,382.65
Totals	-	-	-	-	-	607.92	4.83	-	806.21	1,382.65
						Subtotals (pounds):	1.34	0.01	1.78	3.05
						Daily PM₁₀ Emissions (pounds):	6.18			

CO ₂ Emissions Summary	
Daily CO ₂ Emissions (pounds):	79,217.99
Daily CO ₂ Emissions (metric tons):	35.93
Grams to Pounds Conversion:	453.592 g/lb
Pounds to Metric Tons Conversion:	2204.62 lbs/MT

	CO ₂ _RUNEX (grams/mile)	CO ₂ _IDLEX (grams/vehicle)	CO ₂ _STREX (grams/trip)	CO ₂ _RUNEX (grams)	CO ₂ _IDLEX (grams)	CO ₂ _STREX (grams)
	1426.726851	10556.5423	0	33,145,718.19	2,786,927.17	-
Totals	-	-	-	33145718.19	2786927.166	0
	Subtotals (pounds):			73,073.86	6,144.13	-
	Daily CO₂ Emissions (pounds):			79,217.99		

CH ₄ Emissions Summary	
Daily CH ₄ Emissions (pounds):	0.17
Daily CH ₄ Emissions (metric tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb
Pounds to Metric Tons Conversion:	2204.62 lbs/MT

	CH ₄ _RUNEX (grams/mile)	CH ₄ _IDLEX (grams/vehicle)	CH ₄ _STREX (grams/trip)	CH ₄ _RUNEX (grams)	CH ₄ _IDLEX (grams)	CH ₄ _STREX (grams)
	0.001063029	0.199698455	0	24.70	52.72	-
Totals	-	-	-	24.69628157	52.72039213	0
	Subtotals (pounds):			0.05	0.12	-
	Daily CH₄ Emissions (pounds):			0.17		

ROG Emissions Summary	
Daily ROG Emissions (pounds):	3.67
Daily ROG Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	ROG_RUNEX (grams/mile)	ROG_IDLEX (grams/vehicle)	ROG_STREX (grams/trip)	ROG_HOTSOAK (grams/trip)	ROG_RUNLOSS (grams/trip)	ROG_RESTLOSS (grams/vehicle)	ROG_DIURN (grams/vehicle)	ROG_RUNEX (grams)	ROG_IDLEX (grams)	ROG_STREX (grams)	ROG_HOTSOAK (grams)	ROG_RUNLOSS (grams)	ROG_RESTLOSS (grams)	ROG_DIURN (grams)	
	0.022886715	4.299452976	0	0	0	0	0	531.70	1,135.06	-	-	-	-	-	
Totals	-	-	-	-	-	-	-	531.70	1,135.06	-	-	-	-	-	
	Subtotals (pounds):			1.17		2.50		-		-		-		-	
	Daily ROG Emissions (pounds):			3.67											

TOG Emissions Summary	
Daily TOG Emissions (pounds):	4.18
Daily TOG Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	TOG_RUNEX (grams/mile)	TOG_IDLEX (grams/vehicle)	TOG_STREX (grams/trip)	TOG_HOTSOAK (grams/trip)	TOG_RUNLOSS (grams/trip)	TOG_RESTLOSS (grams/vehicle)	TOG_DIURN (grams/vehicle)	TOG_RUNEX (grams)	TOG_IDLEX (grams)	TOG_STREX (grams)	TOG_HOTSOAK (grams)	TOG_RUNLOSS (grams)	TOG_RESTLOSS (grams)	TOG_DIURN (grams)	
	0.026054783	4.894599933	0	0	0	0	0	605.30	1,292.17	-	-	-	-	-	
Totals	-	-	-	-	-	-	-	605.30	1,292.17	-	-	-	-	-	
	Subtotals (pounds):			1.33		2.85		-		-		-		-	
	Daily TOG Emissions (pounds):			4.18											

CO Emissions Summary	
Daily CO Emissions (pounds):	49.97
Daily CO Emissions (tons):	0.02
Grams to Pounds Conversion:	453.592 g/lb

	CO_RUNEX (grams/mile)	CO_IDLEX (grams/vehicle)	CO_STREX (grams/trip)	CO_RUNEX (grams)	CO_IDLEX (grams)	CO_STREX (grams)
	0.253787136	63.52794194	0	5,895.98	16,771.38	-
Totals	-	-	-	5895.982733	16771.37667	0
				Subtotals (pounds):	13.00	36.97
				Daily CO Emissions (pounds):	49.97	

SO _x Emissions Summary	
Daily SO _x Emissions (pounds):	0.75
Daily SO _x Emissions (tons):	0.00
Grams to Pounds Conversion:	453.592 g/lb

	SO _x _RUNEX (grams/mile)	SO _x _IDLEX (grams/vehicle)	SO _x _STREX (grams/trip)	SO _x _RUNEX (grams)	SO _x _IDLEX (grams)	SO _x _STREX (grams)
	0.013479008	0.099732977	0	313.14	26.33	-
Totals	-	-	-	313.1443103	26.32950598	0
				Subtotals (pounds):	0.69	0.06
				Daily SO_x Emissions (pounds):	0.75	

N ₂ O Emissions Summary	
Daily N ₂ O Emissions (pounds):	12.45
Daily N ₂ O Emissions (metric tons):	0.01
Grams to Pounds Conversion:	453.592 g/lb
Pounds to Metric Tons Conversion:	2204.62 lbs/MT

	N2O_RUNEX (grams/mile)	N2O_IDLEX (grams/vehicle)	N2O_STREX (grams/trip)	N2O_RUNEX (grams)	N2O_IDLEX (grams)	N2O_STREX (grams)
	0.224261593	1.65934144	0	5,210.05	438.07	-
Totals	-	-	-	5210.045319	438.0661403	0
				Subtotals (pounds):	11.49	0.97
				Daily N₂O Emissions (pounds):	12.45	

Locomotive Emission Estimations

Line-Haul Locomotive Energy Intensity¹
(Forecasted for 2020 Performance, All Freight Rail Operations)
260 Btu/Ton-Mile

Maximum Allowable Ton-Miles per Month
500,000 Ton-Miles

Line-Haul Locomotive Energy Intensity
130,000,000 Btu

Line-Haul Locomotive Emission Rates¹				
(Forecasted for 2020 Performance, Tier Share-Weighted)				
Grams of Pollutant per Million Btu				
NO_x	CO	HC	PM	
976	401	81	24	

Annual Criteria Pollutant Emissions					Annual GHG Emissions			
NO _x	CO	HC	PM (PM _{2.5} Exhaust)		CO ₂	N ₂ O	CH ₄	CO ₂ e
Grams					Grams			
1,522,560	625,560	126,360	37,440		65,521,211	1,678	5,164	67,102,112
Pounds (lbs.)					Pounds (lbs.)			
3,357	1,379	279	83		144,450	4	11	144,450
Tons					Metric Tons (MT)			
1.68	0.69	0.14	0.04		65.52	0.00	0.01	66

Line-Haul Fuel Use²	
929.47	Ton-Miles/Gallon of Locomotive Diesel

Locomotive Diesel Fuel GHG Emission Factors²	
Grams per Gallon of Locomotive Diesel	
CO ₂	10,150
N ₂ O	0.26
CH ₄	0.8

Average Daily Criteria Pollutant Emissions					Average Daily GHG Emissions			
NO _x	CO	HC	PM (PM _{2.5} Exhaust)		CO ₂	N ₂ O	CH ₄	CO ₂ e
Grams					Grams			
4,171	1,714	346	103		179,510	5	14	179,510
Pounds (lbs.)					Pounds (lbs.)			
9	4	1	0		396	0	0	396
Tons					Metric Tons (MT)			
0.00	0.00	0.00	0.00		0.18	0.00	0.00	0

GHGs to CO₂e Conversion Rates³	
CO ₂	1
N ₂ O	25
CH ₄	298

Notes:

Conversion rate of 1 pound for every 453.592 grams was utilized in these calculations.

Conversion rate of 1 ton for every 2,000 pounds was utilized in these calculations.

Conversion rate of 1 metric ton for every 2,204.62 pounds was utilized in these calculations.

Sources:

1. United States Department of Transportation, Federal Railroad Administration. 2018. Railroad Energy Intensity and Criteria Air Pollutant Emissions. October.

2. United States Environmental Protection Agency. 2012. Locomotive Emission Inventories for the United States from ERTAC Rail.

3. Intergovernmental Panel on Climate Change (IPCC). 2014. Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland, 151 pp. Website: https://www.ipcc.ch/site/assets/uploads/2018/02/SYR_AR5_FINAL_full.pdf. Accessed July 27, 2021.

Transport Refrigerated Units - Fugitive Refrigerants

TRU Population: ¹	264 TRUs
Potential System Capacity: ²	8 kg
Operating Emission Factor: ²	8% of total capacity per year
Refrigerant GWP Limit:	None
Typical Refrigerant Used: ³	R-404A
GWP of Typical Refrigerant: ³	3,922
Phase 1 Proportion of Building Space:	44.62%
Phase 2 Proportion of Building Space:	55.38%

Operating Emissions

Phase 1:	295.69	MT CO ₂ e/year
Phase 2:	366.98	MT CO ₂ e/year
Total:	662.66	MT CO ₂ e/year

Cold Storage - Fugitive Refrigerants

Potential System Capacity: ²	10,000 kg
Installation Emission Factor: ²	1% of total capacity
Operating Emission Factor: ²	8% of total capacity per year
Refrigerant GWP Limit: ⁴	150
Typical Refrigerant Used:	N/A
GWP of Typical Refrigerant:	150

Installation Emissions

15 MT CO₂e

Operating Emissions

120 MT CO₂e/year

Note: the 150 GWP limit required under the ARB's Refrigerant Management Program only applies to systems with a capacity of 50 lbs (or 22.7 kg) or greater. Given the size of the proposed project, it is assumed that the systems required for the project would add up to the maximum potential system size of 10,000 kg, falling within the parameters of this requirement.

Sources:

- 1 W-Trans. 2021. Traffic Impact Study for the Giovannoni Logistics Center. March 11.
- 2 United Nations Environment Programme. 2018. Cold Chain Technology Brief, Cold Storage and Refrigerated Warehouse. Website: <http://www.foodcoldchain.org/wp-content/uploads/2019/03/Cold-Storage-and-Refrigerated-Warehouse.pdf>. Accessed September 9, 2021.
- 3 United Nations Environment Programme. 2015. Fact Sheet 6: Transport Refrigeration. Website: <https://ozone.unep.org/sites/default/files/2020-06/FS%206%20Transport%20Refrigeration%20final.pdf>. Accessed September 9, 2021.
- 4 Air Resources Board (ARB). 2021. High-GWP Refrigerants. Website: <https://ww2.arb.ca.gov/resources/documents/high-gwp-refrigerants>. Accessed September 9, 2021.

Project Construction Emissions

Model File: Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual
 Timestamp: Date: 9/22/2021 7:14 PM
 Model File: Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual
 Timestamp: Date: 9/22/2021 7:16 PM

Annual Construction Emissions (tons)

Year	Activity	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	CO ₂ e (Metric Tons)
	on site	0.00	0.02	0.00	0.00	0.00	0.00	3
	off site	0.00	0.00	-	0.00	-	0.00	0
2022	Phase 1 Site Preparation	0.00	0.02	0.00	0.00	0.00	0.00	3
	on site	0.03	0.33	0.01	0.05	0.01	0.03	47
	off site	0.00	0.06	0.00	0.01	0.00	0.00	23
2022	Phase 1 Grading	0.03	0.39	0.01	0.06	0.01	0.03	70
	on site	0.14	1.31	0.07	0.07	0.06	0.06	196
	off site	0.39	2.69	0.03	0.92	0.03	0.27	1,395
	Fugitive Refrigerants (on site)	-	-	-	-	-	-	15
2022	Phase 1 Building Construction	0.54	4.00	0.10	0.29	0.09	0.34	1,606
	on site	0.05	0.06	0.00	0.00	0.00	0.00	11
	off site	0.00	0.00	-	0.00	-	0.00	0
2022	Phase 1 Paving	0.05	0.06	0.00	0.00	0.00	0.00	12
	on site	5.90	0.01	0.00	0.00	0.00	0.00	1
	off site	0.00	0.00	0.00	0.01	0.00	0.00	7
2022	Phase 1 Architectural Coating	5.90	0.01	0.00	0.01	0.00	0.00	8
	on site	0.00	0.02	0.00	0.00	0.00	0.00	3
	off site	0.00	0.00	-	0.00	-	0.00	0
2022	Phase 2 Site Preparation	0.00	0.02	0.00	0.00	0.00	0.00	3
	on site	0.03	0.33	0.01	0.05	0.01	0.03	47
	off site	0.00	0.00	0.00	0.00	0.00	0.00	1
2022	Phase 2 Grading	0.03	0.33	0.01	0.05	0.01	0.03	48
	on site	0.02	0.19	0.01	0.01	0.01	0.01	28
	off site	0.08	0.51	0.01	0.17	0.01	0.05	266
	Fugitive Refrigerants (on site)	-	-	-	-	-	-	15
2022	Phase 2 Building Construction	0.10	0.70	0.02	0.18	0.01	0.06	309
	on site	0.11	1.03	0.05	0.05	0.05	0.05	167
	off site	0.36	2.40	0.02	1.02	0.02	0.29	1,523
2023	Phase 2 Building Construction	0.47	3.42	0.07	1.07	0.06	0.34	1,690
	on site	0.06	0.06	0.00	0.00	0.00	0.00	12
	off site	0.00	0.00	-	0.00	-	0.00	0
2023	Phase 2 Paving	0.06	0.06	0.00	0.00	0.00	0.00	13
	on site	7.32	0.01	0.00	0.00	0.00	0.00	2
	off site	0.01	0.00	0.00	0.01	0.00	0.00	9
2023	Phase 2 Architectural Coating	7.32	0.01	0.00	0.01	0.00	0.00	11
	Total On Site	13.67	3.37	0.16	0.24	0.15	0.18	517
	Total Off Site	0.84	5.67	0.05	2.14	0.05	0.62	3,225

*Note: All zeros displayed in the above table represent emission values which are below 0.005 tons per year and have subsequently rounded down. All true zero values are represented with "-". Fugitive refrigerants are only displayed for cold storage project scenarios in the CEQA analysis.

Project Phase	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	CO ₂ e (Metric Tons)
on site	6.12	1.73	0.09	0.12	0.08	0.10	258
off site	0.40	2.75	0.03	0.93	0.03	0.28	1,425
Phase 1	6.52	4.48	0.12	1.05	0.11	0.37	1,684
on site	7.55	1.64	0.08	0.11	0.07	0.09	258
off site	0.44	2.91	0.02	1.21	0.02	0.35	1,800
Phase 2	7.99	4.55	0.10	1.32	0.09	0.43	2,058

Average Daily Construction Emissions (lbs/day)

	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)
Total Emissions (tons)	14.51	9.03	0.22	2.38	0.21	0.80
Total Emissions (lbs)	29,028.74	18,064.70	437.04	4,757.46	410.70	1,607.54
Average Daily Emissions (lbs/day)¹	67.98	42.31	1.02	11.14	0.96	3.76
BAAQMD Significance Thresholds	54	54	82	N/A	54	N/A
Project Construction Exceeds Threshold?	Yes	No	No	N/A	No	N/A

Notes:

1. Total emissions (lbs) are divided by the total nonoverlapping construction workdays (427 days).

Project Construction Emissions

Model File: Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual
 Timestamp: Date: 9/22/2021 7:21 PM
 Model File: Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual
 Timestamp: Date: 9/22/2021 7:25 PM

Annual Construction Emissions (tons)

Year	Activity	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	CO ₂ e (Metric Tons)
	on site	0.00	0.02	0.00	0.00	0.00	0.00	3
	off site	0.00	0.00	-	0.00	-	0.00	0
2022	Phase 1 Site Preparation	0.00	0.02	0.00	0.00	0.00	0.00	3
	on site	0.03	0.33	0.01	0.05	0.01	0.03	47
	off site	0.00	0.06	0.00	0.01	0.00	0.00	23
2022	Phase 1 Grading	0.03	0.39	0.01	0.06	0.01	0.03	70
	on site	0.14	1.31	0.07	0.07	0.06	0.06	196
	off site	0.39	2.69	0.03	0.92	0.03	0.27	1,395
	Fugitive Refrigerants (on site)	-	-	-	-	-	-	15
2022	Phase 1 Building Construction	0.54	4.00	0.10	0.98	0.09	0.34	1,606
	on site	0.05	0.06	0.00	0.00	0.00	0.00	11
	off site	0.00	0.00	-	0.00	-	0.00	0
2022	Phase 1 Paving	0.05	0.06	0.00	0.00	0.00	0.00	12
	on site	2.59	0.01	0.00	0.00	0.00	0.00	1
	off site	0.00	0.00	0.00	0.01	0.00	0.00	7
2022	Phase 1 Architectural Coating	2.59	0.01	0.00	0.01	0.00	0.00	8
	on site	0.00	0.02	0.00	0.00	0.00	0.00	3
	off site	0.00	0.00	-	0.00	-	0.00	0
2022	Phase 2 Site Preparation	0.00	0.02	0.00	0.00	0.00	0.00	3
	on site	0.03	0.33	0.01	0.05	0.01	0.03	47
	off site	0.00	0.00	0.00	0.00	0.00	0.00	1
2022	Phase 2 Grading	0.03	0.33	0.01	0.05	0.01	0.03	48
	on site	0.02	0.19	0.01	0.01	0.01	0.01	28
	off site	0.08	0.51	0.01	0.17	0.01	0.05	266
	Fugitive Refrigerants (on site)	-	-	-	-	-	-	15
2022	Phase 2 Building Construction	0.10	0.70	0.02	0.18	0.01	0.06	309
	on site	0.11	1.03	0.05	0.05	0.05	0.05	167
	off site	0.36	2.40	0.02	1.02	0.02	0.29	1,523
2023	Phase 2 Building Construction	0.47	3.42	0.07	1.07	0.06	0.34	1,690
	on site	0.06	0.06	0.00	0.00	0.00	0.00	12
	off site	0.00	0.00	-	0.00	-	0.00	0
2023	Phase 2 Paving	0.06	0.06	0.00	0.00	0.00	0.00	13
	on site	3.21	0.01	0.00	0.00	0.00	0.00	2
	off site	0.01	0.00	0.00	0.01	0.00	0.00	9
2023	Phase 2 Architectural Coating	3.22	0.01	0.00	0.01	0.00	0.00	11
	Total On Site	6.25	3.37	0.16	0.24	0.15	0.18	517
	Total Off Site	0.84	5.67	0.05	2.14	0.05	0.62	3,225

*Note: All zeros displayed in the above table represent emission values which are below 0.005 tons per year and have subsequently rounded down. All true zero values are represented with "-". Fugitive refrigerants are only displayed for cold storage project scenarios in the CEQA analysis.

Project Phase	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	CO ₂ e (Metric Tons)
on site	2.81	1.73	0.09	0.12	0.08	0.10	258
off site	0.40	2.75	0.03	0.93	0.03	0.28	1,425
Phase 1	3.21	4.48	0.12	1.05	0.11	0.37	1,684
on site	3.44	1.64	0.08	0.11	0.07	0.09	258
off site	0.44	2.91	0.02	1.21	0.02	0.35	1,800
Phase 2	3.88	4.55	0.10	1.32	0.09	0.43	2,058

Average Daily Construction Emissions (lbs/day)

	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)
Total Emissions (tons)	7.09	9.03	0.22	2.38	0.21	0.80
Total Emissions (lbs)	14,189.54	18,064.70	437.04	4,757.46	410.70	1,607.54
Average Daily Emissions (lbs/day)¹	33.23	42.31	1.02	11.14	0.96	3.76
BAAQMD Significance Thresholds	54	54	82	N/A	54	N/A
Project Construction Exceeds Threshold?	No	No	No	N/A	No	N/A

Notes:

1. Total emissions (lbs) are divided by the total nonoverlapping construction workdays (427 days).

Unmitigated Operational Emissions Summary (COLD Storage Scenario)

Phase 1 Operations - Annual Emissions (COLD Storage)

Giovanni Logistics Phase 1 COLD Op - Napa County, Annual

Date: 9/22/2021 8:07 PM

CalEEMod Run: Annual.

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	4.8742	0.00016	0.00006	0.00006	0.00006	0.00006	0	-	0
Fugitive Refrigerants	-	-	-	-	-	-	416	-	416
Energy - Electricity	-	-	-	-	-	-	1,023	-	1,023
Energy - Natural Gas	0.0218	0.1984	0.0151	0.0151	0.0151	0.0151	217	-	217
Mobile - Pass. Vehicles	0.3908	0.4307	0.00738	1.372	0.00681	0.3696	1,145	-	1,145
Mobile - Trucks	0.5592	18.4435	0.5503	0.5503	0.2897	0.2897	6,206	-	6,206
Mobile - Locomotives	ND	1.6783	0.0413	0.0413	0.0413	0.0413	66	-	66
Mobile - TRUs	1.6174	13.8951	0.2012	0.2012	0.1851	0.1851	335	-	335
Stationary	0.0079	0.0257	0.0017	0.0017	0.0017	0.0017	4	-	4
Waste	-	-	-	-	-	-	507	204	302
Water	-	-	-	-	-	-	12	2	10
Annual Total	7.47	34.67	0.82	2.18	0.54	0.90	9,930	206	9,720

Notes:

All operational emissions were taken from the Mitigated model results to account for BAAQMD and City requirements. For GHG emissions, only non-biogenic CO₂e emissions are included in the project's operational GHG emissions and stationary source emissions are omitted from the total GHG emissions shown here, per BAAQMD's 2017 CEQA Air Quality Guidelines.

Fugitive refrigerants represent high-global warming potential fugitive emissions resulting from the operation of a refrigeration system required for cold storage and transport refrigerated units.

Rail emissions are based on the assumed use of the future rail connection of no greater than 500,000 ton-miles per month.

All zeros displayed in the above table represent emission values which are below 0.005 tons per year and have subsequently rounded down. All true zero values are represented with "-".

ND = No Data.

Phase 2 Operations - Annual Emissions (COLD Storage)

Giovannoni Logistics Phase 2 COLD Op - Napa County, Annual

Date: 9/22/2021 8:13 PM

CalEEMod Run: Annual.

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	6.052	0.0002	0.00008	0.00008	0.00008	0.00008	0	-	0
Fugitive Refrigerants	-	-	-	-	-	-	487	-	487
Energy - Electricity	-	-	-	-	-	-	1,269	-	1,269
Energy - Natural Gas	0.0271	0.2463	0.0187	0.0187	0.0187	0.0187	270	-	270
Mobile - Pass. Vehicles	0.4434	0.4717	0.00869	1.7024	0.00801	0.4583	1,372	-	1,372
Mobile - Trucks	0.3658	18.0680	0.6229	0.6229	0.3018	0.3018	7,308	-	7,308
Mobile - Locomotives	-	-	-	-	-	-	-	-	-
Mobile - TRUs	2.0937	17.2551	0.2301	0.2301	0.2117	0.2117	416	-	416
Stationary	0.0039	0.0128	0.0009	0.0009	0.0009	0.0009	2	-	2
Waste	-	-	-	-	-	-	629	254	375
Water	-	-	-	-	-	-	580	98	483
Annual Total	8.99	36.05	0.88	2.57	0.54	0.99	12,333	351	11,979

Notes:

All operational emissions were taken from the Mitigated model results to account for BAAQMD and City requirements. For GHG emissions, only non-biogenic CO₂e emissions are included in the project's operational GHG emissions and stationary source emissions are omitted from the total GHG emissions shown here, per BAAQMD's 2017 CEQA Air Quality Guidelines.

Fugitive refrigerants represent high-global warming potential fugitive emissions resulting from the operation of a refrigeration system required for cold storage and transport refrigerated units.

All zeros displayed in the above table represent emission values which are below 0.005 tons per year and have subsequently rounded down. All true zero values are represented with "-".

ND = No Data.

Total Unmitigated Operational Emissions (Project Phases 1 and 2)

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	10.93	0.00	0.00	0.00	0.00	0.00	0	-	0
Fugitive Refrigerants	-	-	-	-	-	-	903	-	903
Energy - Electricity	-	-	-	-	-	-	2,292	-	2,292
Energy - Natural Gas	0.05	0.44	0.03	0.03	0.03	0.03	487	-	487
Mobile - Pass. Vehicles	0.83	0.90	0.02	3.07	0.01	0.83	2,517	-	2,517
Mobile - Trucks	0.92	36.51	1.17	1.17	0.59	0.59	13,514	-	13,514
Mobile - Locomotives	ND	1.68	0.04	0.04	0.04	0.04	66	-	66
Mobile - TRUs	3.71	31.15	0.43	0.43	0.40	0.40	751	-	751
Stationary	0.01	0.04	0.00	0.00	0.00	0.00	6	-	6
Waste	-	-	-	-	-	-	1,136	458	677
Water	-	-	-	-	-	-	592	99	493
Annual Total	16.46	70.73	1.70	4.76	1.08	1.89	22,262	558	21,704
BAAQMD Significance Thresholds - Annual	10	10	N/A	15	N/A	10			
Project Exceeds Annual Threshold?	Yes	Yes	N/A	No	N/A	No			

Total Unmitigated Operational Emissions (Project Phases 1 and 2)

Emissions Source	Average Pounds per Day					
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)
Average Daily Emissions	90	388	9	26	6	10
BAAQMD Significance Thresholds	54	54	N/A	82	N/A	54
Project Exceeds Annual Threshold?	Yes	Yes	N/A	No	N/A	No

Note: Average daily emissions are identified by multiplying the annual emission tonnage by 2,000 pounds and dividing by the total number of operational days per year (365).

Mitigated Operational Emissions Summary (COLD Storage Scenario)

Phase 1 Operations - Mitigated Annual Emissions (COLD Storage)

Giovannoni Logistics Phase 1 COLD Op - AIR-2c - Napa County, Annual

Date: 9/22/2021 8:16 PM

CalEEMod Run: Annual.

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	4.5422	0.00009	0.00003	0.00003	0.00003	0.00003	0	-	0
Fugitive Refrigerants	-	-	-	-	-	-	416	-	416
Energy - Electricity	-	-	-	-	-	-	1,023	-	1,023
Energy - Natural Gas	0.0218	0.1984	0.0151	0.0151	0.0151	0.0151	217	-	217
Mobile - Pass. Vehicles	0.3908	0.4307	0.00738	1.372	0.00681	0.3696	1,145	-	1,145
Mobile - Trucks	0.2992	14.2459	0.5030	0.5030	0.2478	0.2478	5,879	-	5,879
Mobile - Locomotives	ND	1.6783	0.0413	0.0413	0.0413	0.0413	66	-	66
Mobile - TRUs	1.6174	13.8951	0.2012	0.2012	0.1851	0.1851	335	-	335
Stationary	0.0079	0.0257	0.0017	0.0017	0.0017	0.0017	4	-	4
Waste	-	-	-	-	-	-	507	204	302
Water	-	-	-	-	-	-	12	2	10
Annual Total	6.88	30.47	0.77	2.13	0.50	0.86	9,603	206	9,393

Notes:

All operational emissions were taken from the Mitigated model results to account for BAAQMD and City requirements. For GHG emissions, only non-biogenic CO₂e emissions are included in the project's operational GHG emissions and stationary source emissions are omitted from the total GHG emissions shown here, per BAAQMD's 2017 CEQA Air Quality Guidelines.

Fugitive refrigerants represent high-global warming potential fugitive emissions resulting from the operation of a refrigeration system required for cold storage and transport refrigerated units.

Rail emissions are based on the assumed use of the future rail connection of no greater than 500,000 ton-miles per month.

All zeros displayed in the above table represent emission values which are below 0.005 tons per year and have subsequently rounded down. All true zero values are represented with "-".

ND = No Data.

Phase 2 Operations - Mitigated Annual Emissions (COLD Storage)

Giovannoni Logistics Phase 2 COLD Op - Napa County, Annual

Date: 9/22/2021 8:13 PM

CalEEMod Run: Annual.

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	5.6399	0.00011	0.00003	0.00003	0.00003	0.00003	0	-	0
Fugitive Refrigerants	-	-	-	-	-	-	487	-	487
Energy - Electricity	-	-	-	-	-	-	1,269	-	1,269
Energy - Natural Gas	0.0271	0.2463	0.0187	0.0187	0.0187	0.0187	270	-	270
Mobile - Pass. Vehicles	0.4434	0.4717	0.00869	1.7024	0.00801	0.4583	1,372	-	1,372
Mobile - Trucks	0.3714	17.6805	0.6242	0.6242	0.3076	0.3076	7,296	-	7,296
Mobile - Locomotives	-	-	-	-	-	-	-	-	-
Mobile - TRUs	2.0937	17.2551	0.2301	0.2301	0.2117	0.2117	416	-	416
Stationary	0.0039	0.0128	0.0009	0.0009	0.0009	0.0009	2	-	2
Waste	-	-	-	-	-	-	629	254	375
Water	-	-	-	-	-	-	580	98	483
Annual Total	8.58	35.67	0.88	2.58	0.55	1.00	12,321	351	11,968

Notes:

All operational emissions were taken from the Mitigated model results to account for BAAQMD and City requirements. For GHG emissions, only non-biogenic CO₂e emissions are included in the project's operational GHG emissions and stationary source emissions are omitted from the total GHG emissions shown here, per BAAQMD's 2017 CEQA Air Quality Guidelines.

Fugitive refrigerants represent high-global warming potential fugitive emissions resulting from the operation of a refrigeration system required for cold storage and transport refrigerated units.

All zeros displayed in the above table represent emission values which are below 0.005 tons per year and have subsequently rounded down. All true zero values are represented with "-".

ND = No Data.

Total Mitigated Operational Emissions (Project Phases 1 and 2, and Amortized Construction GHG Emissions)

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	10.18	0.00	0.00	0.00	0.00	0.00	0	-	0
Fugitive Refrigerants	-	-	-	-	-	-	903	-	903
Energy - Electricity	-	-	-	-	-	-	2,292	-	2,292
Energy - Natural Gas	0.05	0.44	0.03	0.03	0.03	0.03	487	-	487
Mobile - Pass. Vehicles	0.83	0.90	0.02	3.07	0.01	0.83	2,517	-	2,517
Mobile - Trucks	0.67	31.93	1.13	1.13	0.56	0.56	13,175	-	13,175
Mobile - Locomotives	ND	1.68	0.04	0.04	0.04	0.04	66	-	66
Mobile - TRUs	3.71	31.15	0.43	0.43	0.40	0.40	751	-	751
Stationary	0.01	0.04	0.00	0.00	0.00	0.00	6	-	6
Waste	-	-	-	-	-	-	1,136	458	677
Water	-	-	-	-	-	-	592	99	493
Annual Total	15.46	66.14	1.65	4.71	1.04	1.86	21,923	558	21,366
BAAQMD Significance Thresholds - Annual	10	10	N/A	15	N/A	10			
Project Exceeds Annual Threshold?	Yes	Yes	N/A	No	N/A	No			

Total Mitigated Operational Emissions (Project Phases 1 and 2)

Emissions Source	Average Pounds per Day					
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)
Average Daily Emissions	85	362	9	26	6	10
BAAQMD Significance Thresholds	54	54	N/A	82	N/A	54
Project Exceeds Annual Threshold?	Yes	Yes	N/A	No	N/A	No

Note: Average daily emissions are identified by multiplying the annual emission tonnage by 2,000 pounds and dividing by the total number of operational days per year (365).

Annual Operational 2030 GHG Emissions Summary (COLD Storage Scenario)

2030 Operations - Phase 1 Annual GHG Emissions (COLD Storage)

Giovannoni Logistics Phase 1 COLD 2030 Op - AIR-2c - Napa County, Annual
Date: 9/22/2021 8:36 PM

Emissions Source	Metric Tons per Year		
	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	0	-	0
Fugitive Refrigerants	416	-	416
Energy - Electricity	923	-	923
Energy - Natural Gas	217	-	217
Mobile - Pass. Vehicles	878	-	878
Mobile - Trucks	5,879	-	5,879
Mobile - Locomotives	66	-	66
Mobile - TRUs	334	-	334
Stationary	4	-	4
Waste	507	204	302
Water	11	2	10
Annual Total	9,235	206	9,025

Note:

All operational emissions were taken from the Mitigated model results to account for BAAQMD and City requirements. For GHG emissions, only non-biogenic CO₂e emissions are included in the project's operational GHG emissions and stationary source emissions are omitted from the total GHG emissions shown here, per BAAQMD's 2017 CEQA Air Quality Guidelines. All operational emission shown above incorporate implementation of MMs AIR-2c and AIR-2d. Rail emissions are based on the assumed use of the future rail connection of no greater than 500,000 ton-miles per month.

2030 Operations - Phase 2 Annual GHG Emissions (COLD Storage)

Giovanni Logistics Phase 2 COLD 2030 Op - AIR-2c - Napa County, Annual

Date: 9/22/2021 8:46 PM

Emissions Source	Metric Tons per Year		
	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	0	-	0
Fugitive Refrigerants	487	-	487
Energy - Electricity	1,146	-	1,146
Energy - Natural Gas	270	-	270
Mobile - Pass. Vehicles	1,090	-	1,090
Mobile - Trucks	7,296	-	7,296
Mobile - Locomotives	-	-	-
Mobile - TRUs	415	-	415
Stationary	2	-	2
Waste	629	254	375
Water	565	98	467
Annual Total	11,900	351	11,546

Note:

All operational emissions were taken from the Mitigated model results to account for BAAQMD and City requirements. For GHG emissions, only non-biogenic CO₂e emissions are included in the project's operational GHG emissions and stationary source emissions are omitted from the total GHG emissions shown here, per BAAQMD's 2017 CEQA Air Quality Guidelines. All operational emission shown above incorporate implementation of MMs AIR-2c and AIR-2d.

Unmitigated Operational Emissions Summary (DRY Storage Scenario)

Phase 1 Operations - Annual Emissions (DRY Storage)

Giovanni Logistics Phase 1 DRY Op - Napa County, Annual

Date: 9/22/2021 8:04 PM

CalEEMod Run: Annual.

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	4.8742	0.00016	0.00006	0.00006	0.00006	0.00006	0	-	0
Energy - Electricity	-	-	-	-	-	-	399	-	399
Energy - Natural Gas	0.0199	0.1806	0.0137	0.0137	0.0137	0.0137	198	-	198
Mobile - Pass. Vehicles	0.3908	0.4307	0.00738	1.372	0.00681	0.3696	1,145	-	1,145
Mobile - Trucks	0.5592	18.4435	0.5503	0.5503	0.2897	0.2897	6,206	-	6,206
Mobile - Locomotives	ND	1.6783	0.0413	0.0413	0.0413	0.0413	66	-	66
Stationary	0.0079	0.0257	0.0017	0.0017	0.0017	0.0017	4	-	4
Waste	-	-	-	-	-	-	507	204	302
Water	-	-	-	-	-	-	12	2	10
Annual Total	5.85	20.76	0.61	1.98	0.35	0.72	8,536	206	8,326

Notes:

All operational emissions were taken from the Mitigated model results to account for BAAQMD and City requirements. For GHG emissions, only non-biogenic CO₂e emissions are included in the project's operational GHG emissions and stationary source emissions are omitted from the total GHG emissions shown here, per BAAQMD's 2017 CEQA Air Quality Guidelines.

Rail emissions are based on the assumed use of the future rail connection of no greater than 500,000 ton-miles per month.

All zeros displayed in the above table represent emission values which are below 0.005 tons per year and have subsequently rounded down. All true zero values are represented with "-".

ND = No Data.

Phase 2 Operations - Annual Emissions (DRY Storage)

Giovannoni Logistics Phase 2 DRY Op - Napa County, Annual

Date: 9/22/2021 8:22 PM

CalEEMod Run: Annual.

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	6.052	0.0002	0.00008	0.00008	0.00008	0.00008	0	-	0
Energy - Electricity	-	-	-	-	-	-	495	-	495
Energy - Natural Gas	0.0247	0.2241	0.017	0.017	0.017	0.017	245	-	245
Mobile - Pass. Vehicles	0.4434	0.4717	0.00869	1.7024	0.00801	0.4583	1,372	-	1,372
Mobile - Trucks	0.3658	18.0680	0.6229	0.6229	0.3018	0.3018	7,308	-	7,308
Mobile - Locomotives	-	-	-	-	-	-	-	-	-
Stationary	0.0039	0.0128	0.0009	0.0009	0.0009	0.0009	2	-	2
Waste	-	-	-	-	-	-	629	254	375
Water	-	-	-	-	-	-	580	98	483
Annual Total	6.89	18.78	0.65	2.34	0.33	0.78	10,632	351	10,279

Notes:

All operational emissions were taken from the Mitigated model results to account for BAAQMD and City requirements. For GHG emissions, only non-biogenic CO₂e emissions are included in the project's operational GHG emissions and stationary source emissions are omitted from the total GHG emissions shown here, per BAAQMD's 2017 CEQA Air Quality Guidelines.

All zeros displayed in the above table represent emission values which are below 0.005 tons per year and have subsequently rounded down. All true zero values are represented with "-".

ND = No Data.

Total Unmitigated Operational Emissions (Project Phases 1 and 2, and Amortized Construction GHG Emissions)

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	10.93	0.00	0.00	0.00	0.00	0.00	0	-	0
Energy - Electricity	-	-	-	-	-	-	895	-	895
Energy - Natural Gas	0.04	0.40	0.03	0.03	0.03	0.03	443	-	443
Mobile - Pass. Vehicles	0.83	0.90	0.02	3.07	0.01	0.83	2,517	-	2,517
Mobile - Trucks	0.92	36.51	1.17	1.17	0.59	0.59	13,514	-	13,514
Mobile - Locomotives	ND	1.68	0.04	0.04	0.04	0.04	66	-	66
Stationary	0.01	0.04	0.00	0.00	0.00	0.00	6	-	6
Waste	-	-	-	-	-	-	1,136	458	677
Water	-	-	-	-	-	-	592	99	493
Annual Total	12.74	39.54	1.26	4.32	0.68	1.49	19,168	558	18,539
BAAQMD Significance Thresholds - Annual	10	10	N/A	15	N/A	10			
Project Exceeds Annual Threshold?	Yes	Yes	N/A	No	N/A	No			

Total Unmitigated Operational Emissions (Project Phases 1 and 2)

Emissions Source	Average Pounds per Day					
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)
Average Daily Emissions	70	217	7	24	4	8
BAAQMD Significance Thresholds	54	54	N/A	82	N/A	54
Project Exceeds Annual Threshold?	Yes	Yes	N/A	No	N/A	No

Note: Average daily emissions are identified by multiplying the annual emission tonnage by 2,000 pounds and dividing by the total number of operational days per year (365).

Mitigated Operational Emissions Summary (DRY Storage Scenario)

Phase 1 Operations - Mitigated Annual Emissions (DRY Storage)

Giovannoni Logistics Phase 1 DRY Op - AIR-2c - Napa County, Annual

Date: 9/22/2021 8:26 PM

CalEEMod Run: Annual.

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	4.5422	0.00009	0.00003	0.00003	0.00003	0.00003	0	-	0
Energy - Electricity	-	-	-	-	-	-	399	-	399
Energy - Natural Gas	0.0199	0.1806	0.0137	0.0137	0.0137	0.0137	198	-	198
Mobile - Pass. Vehicles	0.3908	0.4307	0.00738	1.372	0.00681	0.3696	1,145	-	1,145
Mobile - Trucks	0.2992	14.2459	0.5030	0.5030	0.2478	0.2478	5,879	-	5,879
Mobile - Locomotives	ND	1.6783	0.0413	0.0413	0.0413	0.0413	66	-	66
Stationary	0.0079	0.0257	0.0017	0.0017	0.0017	0.0017	4	-	4
Waste	-	-	-	-	-	-	507	204	302
Water	-	-	-	-	-	-	12	2	10
Annual Total	5.26	16.56	0.57	1.93	0.31	0.67	8,209	206	7,999

Notes:

All operational emissions were taken from the Mitigated model results to account for BAAQMD and City requirements. For GHG emissions, only non-biogenic CO₂e emissions are included in the project's operational GHG emissions and stationary source emissions are omitted from the total GHG emissions shown here, per BAAQMD's 2017 CEQA Air Quality Guidelines.

Rail emissions are based on the assumed use of the future rail connection of no greater than 500,000 ton-miles per month.

All zeros displayed in the above table represent emission values which are below 0.005 tons per year and have subsequently rounded down. All true zero values are represented with "-".

ND = No Data.

Phase 2 Operations - Mitigated Annual Emissions (DRY Storage)

Giovannoni Logistics Phase 2 DRY Op - AIR-2c - Napa County, Annual

Date: 9/22/2021 8:29 PM

CalEEMod Run: Annual.

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	5.6399	0.00011	0.00003	0.00003	0.00003	0.00003	0	-	0
Energy - Electricity	-	-	-	-	-	-	495	-	495
Energy - Natural Gas	0.0247	0.2241	0.017	0.017	0.017	0.017	245	-	245
Mobile - Pass. Vehicles	0.4434	0.4717	0.00869	1.7024	0.00801	0.4583	1,372	-	1,372
Mobile - Trucks	0.3714	17.6805	0.6242	0.6242	0.3076	0.3076	7,296	-	7,296
Mobile - Locomotives	-	-	-	-	-	-	-	-	-
Stationary	0.0039	0.0128	0.0009	0.0009	0.0009	0.0009	2	-	2
Waste	-	-	-	-	-	-	629	254	375
Water	-	-	-	-	-	-	580	98	483
Annual Total	6.48	18.39	0.65	2.34	0.33	0.78	10,620	351	10,267

Notes:

All operational emissions were taken from the Mitigated model results to account for BAAQMD and City requirements. For GHG emissions, only non-biogenic CO₂e emissions are included in the project's operational GHG emissions and stationary source emissions are omitted from the total GHG emissions shown here, per BAAQMD's 2017 CEQA Air Quality Guidelines.

All zeros displayed in the above table represent emission values which are below 0.005 tons per year and have subsequently rounded down. All true zero values are represented with "-".

ND = No Data.

Total Mitigated Operational Emissions (Project Phases 1 and 2, and Amortized Construction GHG Emissions)

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	10.18	0.00	0.00	0.00	0.00	0.00	0	-	0
Energy - Electricity	-	-	-	-	-	-	895	-	895
Energy - Natural Gas	0.04	0.40	0.03	0.03	0.03	0.03	443	-	443
Mobile - Pass. Vehicles	0.83	0.90	0.02	3.07	0.01	0.83	2,517	-	2,517
Mobile - Trucks	0.67	31.93	1.13	1.13	0.56	0.56	13,175	-	13,175
Mobile - Locomotives	ND	1.68	0.04	0.04	0.04	0.04	66	-	66
Stationary	0.01	0.04	0.00	0.00	0.00	0.00	6	-	6
Waste	-	-	-	-	-	-	1,136	458	677
Water	-	-	-	-	-	-	592	99	493
Annual Total	11.74	34.95	1.22	4.28	0.64	1.46	18,829	558	18,200
BAAQMD Significance Thresholds - Annual	10	10	N/A	15	N/A	10			
Project Exceeds Annual Threshold?	Yes	Yes	N/A	No	N/A	No			

Total Mitigated Operational Emissions (Project Phases 1 and 2)

Emissions Source	Average Pounds per Day					
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)
Average Daily Emissions	64	192	7	23	4	8
BAAQMD Significance Thresholds	54	54	N/A	82	N/A	54
Project Exceeds Annual Threshold?	Yes	Yes	N/A	No	N/A	No

Note: Average daily emissions are identified by multiplying the annual emission tonnage by 2,000 pounds and dividing by the total number of operational days per year (365).

Annual Operational 2030 GHG Emissions Summary (DRY Storage Scenario)

2030 Operations - Phase 1 Annual GHG Emissions (DRY Storage)

Giovannoni Logistics Phase 1 DRY 2030 Op - AIR-2c - Napa County, Annual
Date: 9/22/2021 8:41 PM

Emissions Source	Metric Tons per Year		
	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	0	-	0
Energy - Electricity	361	-	361
Energy - Natural Gas	198	-	198
Mobile - Pass. Vehicles	878	-	878
Mobile - Trucks	5,879	-	5,879
Mobile - Locomotives	66	-	66
Stationary	4	-	4
Waste	507	204	302
Water	11	2	10
Annual Total	7,903	206	7,693

Note:

All operational emissions were taken from the Mitigated model results to account for BAAQMD and City requirements. For GHG emissions, only non-biogenic CO₂e emissions are included in the project's operational GHG emissions and stationary source emissions are omitted from the total GHG emissions shown here, per BAAQMD's 2017 CEQA Air Quality Guidelines. All operational emission shown above incorporate implementation of MMs AIR-2c and AIR-2d. Rail emissions are based on the assumed use of the future rail connection of no greater than 500,000 ton-miles per month.

2030 Operations - Phase 2 Annual GHG Emissions (DRY Storage)

Giovannoni Logistics Phase 2 DRY 2030 Op - AIR-2c - Napa County, Annual
Date: 9/22/2021 8:50 PM

Emissions Source	Metric Tons per Year		
	Total CO ₂ e	Bio-CO ₂	NBio-CO ₂ e
Area	0	-	0
Energy - Electricity	447	-	447
Energy - Natural Gas	245	-	245
Mobile - Pass. Vehicles	1,090	-	1,090
Mobile - Trucks	7,296	-	7,296
Mobile - Locomotives	-	-	-
Stationary	2	-	2
Waste	629	254	375
Water	565	98	467
Annual Total	10,275	351	9,921

Note:

All operational emissions were taken from the Mitigated model results to account for BAAQMD and City requirements. For GHG emissions, only non-biogenic CO₂e emissions are included in the project's operational GHG emissions and stationary source emissions are omitted from the total GHG emissions shown here, per BAAQMD's 2017 CEQA Air Quality Guidelines. All operational emission shown above incorporate implementation of MMs AIR-2c and AIR-2d.

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Construction Trailer
Napa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.72	1000sqft	0.02	720.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Table Name	Column Name	Default Value	New Value
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Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0430	0.4380	0.3966	6.3000e-004	6.0600e-003	0.0243	0.0304	2.7200e-003	0.0224	0.0252	0.0000	55.3052	55.3052	0.0171	1.0000e-005	55.7359
2022	7.4000e-003	0.0325	0.0377	6.0000e-005	3.6000e-004	1.6900e-003	2.0500e-003	9.0000e-005	1.5800e-003	1.6700e-003	0.0000	5.2758	5.2758	1.3800e-003	1.0000e-005	5.3132
Maximum	0.0430	0.4380	0.3966	6.3000e-004	6.0600e-003	0.0243	0.0304	2.7200e-003	0.0224	0.0252	0.0000	55.3052	55.3052	0.0171	1.0000e-005	55.7359

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0430	0.4380	0.3966	6.3000e-004	6.0600e-003	0.0243	0.0304	2.7200e-003	0.0224	0.0252	0.0000	55.3052	55.3052	0.0171	1.0000e-005	55.7358
2022	7.4000e-003	0.0325	0.0377	6.0000e-005	3.6000e-004	1.6900e-003	2.0500e-003	9.0000e-005	1.5800e-003	1.6700e-003	0.0000	5.2758	5.2758	1.3800e-003	1.0000e-005	5.3132
Maximum	0.0430	0.4380	0.3966	6.3000e-004	6.0600e-003	0.0243	0.0304	2.7200e-003	0.0224	0.0252	0.0000	55.3052	55.3052	0.0171	1.0000e-005	55.7358

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-3-2021	11-2-2021	0.2894	0.2894
2	11-3-2021	2-2-2022	0.2256	0.2256
		Highest	0.2894	0.2894

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/3/2021	8/16/2021	5	10	
2	Site Preparation	Site Preparation	8/17/2021	8/17/2021	5	1	
3	Grading	Grading	8/18/2021	8/19/2021	5	2	
4	Building Construction	Building Construction	8/20/2021	1/6/2022	5	100	
5	Paving	Paving	1/7/2022	1/13/2022	5	5	
6	Architectural Coating	Architectural Coating	1/14/2022	1/20/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,080; Non-Residential Outdoor: 360; Striped Parking Area: 0 (Architectural Coating)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Grading	Graders	1	6.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

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					
Off-Road	3.9800e-003	0.0363	0.0379	6.0000e-005		2.0400e-003	2.0400e-003		1.9400e-003	1.9400e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289
Total	3.9800e-003	0.0363	0.0379	6.0000e-005		2.0400e-003	2.0400e-003		1.9400e-003	1.9400e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289

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
tons/yr											MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.4800e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3267	0.3267	1.0000e-005	1.0000e-005	0.3304
Total	1.8000e-004	1.4000e-004	1.4800e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3267	0.3267	1.0000e-005	1.0000e-005	0.3304

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9800e-003	0.0363	0.0379	6.0000e-005		2.0400e-003	2.0400e-003		1.9400e-003	1.9400e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289
Total	3.9800e-003	0.0363	0.0379	6.0000e-005		2.0400e-003	2.0400e-003		1.9400e-003	1.9400e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.4800e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3267	0.3267	1.0000e-005	1.0000e-005	0.3304
Total	1.8000e-004	1.4000e-004	1.4800e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3267	0.3267	1.0000e-005	1.0000e-005	0.3304

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-004	3.9100e-003	2.0100e-003	0.0000		1.5000e-004	1.5000e-004		1.4000e-004	1.4000e-004	0.0000	0.4276	0.4276	1.4000e-004	0.0000	0.4310
Total	3.2000e-004	3.9100e-003	2.0100e-003	0.0000	2.7000e-004	1.5000e-004	4.2000e-004	3.0000e-005	1.4000e-004	1.7000e-004	0.0000	0.4276	0.4276	1.4000e-004	0.0000	0.4310

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0165
Total	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0165

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-004	3.9100e-003	2.0100e-003	0.0000		1.5000e-004	1.5000e-004		1.4000e-004	1.4000e-004	0.0000	0.4276	0.4276	1.4000e-004	0.0000	0.4310
Total	3.2000e-004	3.9100e-003	2.0100e-003	0.0000	2.7000e-004	1.5000e-004	4.2000e-004	3.0000e-005	1.4000e-004	1.7000e-004	0.0000	0.4276	0.4276	1.4000e-004	0.0000	0.4310

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0165
Total	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0165

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3100e-003	0.0000	5.3100e-003	2.5700e-003	0.0000	2.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2900e-003	0.0143	6.3300e-003	1.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	1.2384	1.2384	4.0000e-004	0.0000	1.2484
Total	1.2900e-003	0.0143	6.3300e-003	1.0000e-005	5.3100e-003	6.4000e-004	5.9500e-003	2.5700e-003	5.9000e-004	3.1600e-003	0.0000	1.2384	1.2384	4.0000e-004	0.0000	1.2484

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.4000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0523	0.0523	0.0000	0.0000	0.0529
Total	3.0000e-005	2.0000e-005	2.4000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0523	0.0523	0.0000	0.0000	0.0529

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3100e-003	0.0000	5.3100e-003	2.5700e-003	0.0000	2.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2900e-003	0.0143	6.3300e-003	1.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	1.2384	1.2384	4.0000e-004	0.0000	1.2484
Total	1.2900e-003	0.0143	6.3300e-003	1.0000e-005	5.3100e-003	6.4000e-004	5.9500e-003	2.5700e-003	5.9000e-004	3.1600e-003	0.0000	1.2384	1.2384	4.0000e-004	0.0000	1.2484

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.4000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0523	0.0523	0.0000	0.0000	0.0529
Total	3.0000e-005	2.0000e-005	2.4000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0523	0.0523	0.0000	0.0000	0.0529

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0372	0.3833	0.3487	5.5000e-004		0.0215	0.0215		0.0198	0.0198	0.0000	48.0394	48.0394	0.0155	0.0000	48.4278
Total	0.0372	0.3833	0.3487	5.5000e-004		0.0215	0.0215		0.0198	0.0198	0.0000	48.0394	48.0394	0.0155	0.0000	48.4278

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0372	0.3833	0.3487	5.5000e-004		0.0215	0.0215		0.0198	0.0198	0.0000	48.0393	48.0393	0.0155	0.0000	48.4278
Total	0.0372	0.3833	0.3487	5.5000e-004		0.0215	0.0215		0.0198	0.0198	0.0000	48.0393	48.0393	0.0155	0.0000	48.4278

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3700e-003	0.0141	0.0143	2.0000e-005		7.4000e-004	7.4000e-004		6.8000e-004	6.8000e-004	0.0000	2.0030	2.0030	6.5000e-004	0.0000	2.0192
Total	1.3700e-003	0.0141	0.0143	2.0000e-005		7.4000e-004	7.4000e-004		6.8000e-004	6.8000e-004	0.0000	2.0030	2.0030	6.5000e-004	0.0000	2.0192

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3700e-003	0.0141	0.0143	2.0000e-005		7.4000e-004	7.4000e-004		6.8000e-004	6.8000e-004	0.0000	2.0030	2.0030	6.5000e-004	0.0000	2.0192
Total	1.3700e-003	0.0141	0.0143	2.0000e-005		7.4000e-004	7.4000e-004		6.8000e-004	6.8000e-004	0.0000	2.0030	2.0030	6.5000e-004	0.0000	2.0192

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.1000e-004	1.2200e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2853	0.2853	1.0000e-005	1.0000e-005	0.2884
Total	1.5000e-004	1.1000e-004	1.2200e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2853	0.2853	1.0000e-005	1.0000e-005	0.2884

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.1000e-004	1.2200e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2853	0.2853	1.0000e-005	1.0000e-005	0.2884
Total	1.5000e-004	1.1000e-004	1.2200e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2853	0.2853	1.0000e-005	1.0000e-005	0.2884

3.7 Architectural Coating - 2022

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					
Archit. Coating	3.7500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	4.2600e-003	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

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
	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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
	tons/yr										MT/yr					
Archit. Coating	3.7500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	4.2600e-003	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1.1438	1.1438	1.9000e-004	2.0000e-005	1.1551
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1.1438	1.1438	1.9000e-004	2.0000e-005	1.1551
NaturalGas Mitigated	6.0000e-005	5.7000e-004	4.8000e-004	0.0000	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	0.0000	0.6224	0.6224	1.0000e-005	1.0000e-005	0.6261
NaturalGas Unmitigated	6.0000e-005	5.7000e-004	4.8000e-004	0.0000	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	4.0000e-005	0.0000	0.6224	0.6224	1.0000e-005	1.0000e-005	0.6261

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	11664	6.0000e-005	5.7000e-004	4.8000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.6224	0.6224	1.0000e-005	1.0000e-005	0.6261
Total		6.0000e-005	5.7000e-004	4.8000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.6224	0.6224	1.0000e-005	1.0000e-005	0.6261

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	11664	6.0000e-005	5.7000e-004	4.8000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.6224	0.6224	1.0000e-005	1.0000e-005	0.6261
Total		6.0000e-005	5.7000e-004	4.8000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.6224	0.6224	1.0000e-005	1.0000e-005	0.6261

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	12362.4	1.1438	1.9000e-004	2.0000e-005	1.1551
Total		1.1438	1.9000e-004	2.0000e-005	1.1551

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	12362.4	1.1438	1.9000e-004	2.0000e-005	1.1551
Total		1.1438	1.9000e-004	2.0000e-005	1.1551

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1900e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Unmitigated	3.1900e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	3.1900e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	3.1900e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.1301	4.1800e-003	1.0000e-004	0.2645
Unmitigated	0.1301	4.1800e-003	1.0000e-004	0.2645

7.2 Water by Land Use

Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
General Office Building	0.127968 / 0.0784322	0.1301	4.1800e-003	1.0000e-004	0.2645
Total		0.1301	4.1800e-003	1.0000e-004	0.2645

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
General Office Building	0.127968 / 0.0784322	0.1301	4.1800e-003	1.0000e-004	0.2645
Total		0.1301	4.1800e-003	1.0000e-004	0.2645

Construction Trailer - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.1360	8.0400e-003	0.0000	0.3369
Unmitigated	0.1360	8.0400e-003	0.0000	0.3369

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	0.67	0.1360	8.0400e-003	0.0000	0.3369
Total		0.1360	8.0400e-003	0.0000	0.3369

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	0.67	0.1360	8.0400e-003	0.0000	0.3369
Total		0.1360	8.0400e-003	0.0000	0.3369

Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Giovannoni Logistics Phase 2 Con - AIR-2a,b
Napa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-Rail	1,329.10	1000sqft	30.51	1,329,096.00	0
Parking Lot	1,067.00	Space	42.69	1,859,789.00	0
City Park	17.29	Acre	17.29	753,152.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - CalEEMod Note 2
- Construction Phase - CalEEMod Note 3
- Off-road Equipment - CalEEMod Note 4
- Trips and VMT - CalEEMod Note 6
- Grading -
- Architectural Coating - CalEEMod Note 8
- Vehicle Trips - CalEEMod Note 7
- Consumer Products - CalEEMod Note 7
- Energy Use - CalEEMod Note 7
- Water And Wastewater - CalEEMod Note 7
- Solid Waste - CalEEMod Note 7
- Construction Off-road Equipment Mitigation - CalEEMod Note 8
- Fleet Mix - CalEEMod Note 9

Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	60.00	6.00
tblConstructionPhase	NumDays	155.00	17.00
tblConstructionPhase	NumDays	1,550.00	167.00
tblConstructionPhase	NumDays	110.00	12.00
tblConstructionPhase	NumDays	110.00	12.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.62	0.00
tblEnergyUse	NT24E	7.99	0.00
tblEnergyUse	NT24NG	3.06	0.00
tblEnergyUse	T24E	0.12	0.00
tblEnergyUse	T24NG	0.72	0.00
tblFleetMx	HHD	0.01	0.00
tblFleetMx	LDA	0.53	0.59
tblFleetMx	LDT1	0.06	0.06
tblFleetMx	LDT2	0.18	0.20
tblFleetMx	LHD1	0.03	0.00
tblFleetMx	LHD2	8.1680e-003	0.00
tblFleetMx	MCY	0.03	0.00
tblFleetMx	MDV	0.14	0.15
tblFleetMx	MH	4.3360e-003	0.00
tblFleetMx	MHD	0.01	0.00
tblFleetMx	OBUS	1.7510e-003	0.00
tblFleetMx	SBUS	1.9630e-003	0.00
tblFleetMx	UBUS	6.3500e-004	0.00
tblLandUse	LandUseSquareFeet	1,329,100.00	1,329,096.00
tblLandUse	LandUseSquareFeet	426,800.00	1,859,789.00
tblLandUse	LotAcreage	9.60	42.69
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblSolidWaste	SolidWasteGenerationRate	1.49	0.00
tblSolidWaste	SolidWasteGenerationRate	1,249.35	0.00
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	307,354,375.00	0.00
tblWater	OutdoorWaterUseRate	20,600,712.54	0.00

Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

Year	ROG	NOx	CO	SO2	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					
2022	0.1289	1.0507	1.0442	3.8100e-003	0.2483	0.0306	0.2790	0.0775	0.0286	0.1061	0.0000	336.0667	336.0667	0.0305	0.0277	345.0881
2023	3.7523	3.4974	4.3500	0.0177	1.0189	0.0696	1.0885	0.2781	0.0656	0.3437	0.0000	1,664.4502	1,664.4502	0.0847	0.1569	1,713.3202
Maximum	3.7523	3.4974	4.3500	0.0177	1.0189	0.0696	1.0885	0.2781	0.0656	0.3437	0.0000	1,664.4502	1,664.4502	0.0847	0.1569	1,713.3202

Mitigated Construction

Year	ROG	NOx	CO	SO2	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					
2022	0.1289	1.0507	1.0442	3.8100e-003	0.2053	0.0306	0.2359	0.0604	0.0286	0.0890	0.0000	336.0666	336.0666	0.0305	0.0277	345.0880
2023	3.7523	3.4974	4.3500	0.0177	1.0189	0.0696	1.0885	0.2781	0.0656	0.3437	0.0000	1,664.4500	1,664.4500	0.0847	0.1569	1,713.3199
Maximum	3.7523	3.4974	4.3500	0.0177	1.0189	0.0696	1.0885	0.2781	0.0656	0.3437	0.0000	1,664.4500	1,664.4500	0.0847	0.1569	1,713.3199

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	3.39	0.00	3.15	4.80	0.00	3.80	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-27-2022	1-26-2023	1.7159	1.7159
2	1-27-2023	4-26-2023	1.7699	1.7699
3	4-27-2023	7-26-2023	1.6544	1.6544
4	7-27-2023	9-30-2023	3.5238	3.5238
		Highest	3.5238	3.5238

Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	10/27/2022	11/3/2022	5	6	
2	Grading	Grading	11/4/2022	11/28/2022	5	17	
3	Building Construction	Building Construction	11/29/2022	7/19/2023	5	167	
4	Paving	Paving	7/20/2023	8/4/2023	5	12	
5	Architectural Coating	Architectural Coating	8/5/2023	8/22/2023	5	12	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 51

Acres of Paving: 42.69

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,993,646; Non-Residential Outdoor: 664,549; Striped Parking Area: 111,587

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	23	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

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	4	10.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,656.00	646.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	331.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9800e-003	0.0201	0.0269	4.0000e-005		1.0800e-003	1.0800e-003		9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059
Total	1.9800e-003	0.0201	0.0269	4.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461
Total	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9800e-003	0.0201	0.0269	4.0000e-005		1.0800e-003	1.0800e-003		9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059
Total	1.9800e-003	0.0201	0.0269	4.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461
Total	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461

Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0782	0.0000	0.0782	0.0311	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0308	0.3302	0.2469	5.3000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292
Total	0.0308	0.3302	0.2469	5.3000e-004	0.0782	0.0139	0.0921	0.0311	0.0128	0.0438	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.3000e-004	3.7300e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8181	0.8181	4.0000e-005	3.0000e-005	0.8277
Total	4.8000e-004	3.3000e-004	3.7300e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8181	0.8181	4.0000e-005	3.0000e-005	0.8277

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0352	0.0000	0.0352	0.0140	0.0000	0.0140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0308	0.3302	0.2469	5.3000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292
Total	0.0308	0.3302	0.2469	5.3000e-004	0.0352	0.0139	0.0491	0.0140	0.0128	0.0268	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.3000e-004	3.7300e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8181	0.8181	4.0000e-005	3.0000e-005	0.8277
Total	4.8000e-004	3.3000e-004	3.7300e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8181	0.8181	4.0000e-005	3.0000e-005	0.8277

Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0205	0.1874	0.1964	3.2000e-004		9.7100e-003	9.7100e-003		9.1300e-003	9.1300e-003	0.0000	27.8070	27.8070	6.6600e-003	0.0000	27.9736
Total	0.0205	0.1874	0.1964	3.2000e-004		9.7100e-003	9.7100e-003		9.1300e-003	9.1300e-003	0.0000	27.8070	27.8070	6.6600e-003	0.0000	27.9736

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0194	0.4738	0.1342	1.6700e-003	0.0508	5.2500e-003	0.0561	0.0147	5.0200e-003	0.0197	0.0000	162.0351	162.0351	3.6000e-003	0.0243	169.3545
Worker	0.0556	0.0389	0.4355	1.0400e-003	0.1181	6.8000e-004	0.1188	0.0314	6.3000e-004	0.0321	0.0000	95.6284	95.6284	4.1500e-003	3.4200e-003	96.7513
Total	0.0750	0.5127	0.5697	2.7100e-003	0.1689	5.9300e-003	0.1749	0.0461	5.6500e-003	0.0518	0.0000	257.6634	257.6634	7.7500e-003	0.0277	266.1057

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0205	0.1874	0.1964	3.2000e-004		9.7100e-003	9.7100e-003		9.1300e-003	9.1300e-003	0.0000	27.8070	27.8070	6.6600e-003	0.0000	27.9735
Total	0.0205	0.1874	0.1964	3.2000e-004		9.7100e-003	9.7100e-003		9.1300e-003	9.1300e-003	0.0000	27.8070	27.8070	6.6600e-003	0.0000	27.9735

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0194	0.4738	0.1342	1.6700e-003	0.0508	5.2500e-003	0.0561	0.0147	5.0200e-003	0.0197	0.0000	162.0351	162.0351	3.6000e-003	0.0243	169.3545
Worker	0.0556	0.0389	0.4355	1.0400e-003	0.1181	6.8000e-004	0.1188	0.0314	6.3000e-004	0.0321	0.0000	95.6284	95.6284	4.1500e-003	3.4200e-003	96.7513
Total	0.0750	0.5127	0.5697	2.7100e-003	0.1689	5.9300e-003	0.1749	0.0461	5.6500e-003	0.0518	0.0000	257.6634	257.6634	7.7500e-003	0.0277	266.1057

Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1125	1.0285	1.1615	1.9300e-003		0.0500	0.0500		0.0471	0.0471	0.0000	165.7404	165.7404	0.0394	0.0000	166.7261
Total	0.1125	1.0285	1.1615	1.9300e-003		0.0500	0.0500		0.0471	0.0471	0.0000	165.7404	165.7404	0.0394	0.0000	166.7261

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0545	2.1912	0.6552	9.5200e-003	0.3028	0.0122	0.3150	0.0876	0.0117	0.0993	0.0000	923.2896	923.2896	0.0185	0.1377	964.7847
Worker	0.3072	0.2051	2.3930	6.0200e-003	0.7037	3.8200e-003	0.7075	0.1873	3.5200e-003	0.1908	0.0000	552.1905	552.1905	0.0224	0.0189	558.3718
Total	0.3617	2.3963	3.0482	0.0155	1.0065	0.0161	1.0226	0.2748	0.0152	0.2900	0.0000	1,475.4801	1,475.4801	0.0409	0.1566	1,523.1565

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1125	1.0285	1.1614	1.9300e-003		0.0500	0.0500		0.0471	0.0471	0.0000	165.7402	165.7402	0.0394	0.0000	166.7259
Total	0.1125	1.0285	1.1614	1.9300e-003		0.0500	0.0500		0.0471	0.0471	0.0000	165.7402	165.7402	0.0394	0.0000	166.7259

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0545	2.1912	0.6552	9.5200e-003	0.3028	0.0122	0.3150	0.0876	0.0117	0.0993	0.0000	923.2896	923.2896	0.0185	0.1377	964.7847
Worker	0.3072	0.2051	2.3930	6.0200e-003	0.7037	3.8200e-003	0.7075	0.1873	3.5200e-003	0.1908	0.0000	552.1905	552.1905	0.0224	0.0189	558.3718
Total	0.3617	2.3963	3.0482	0.0155	1.0065	0.0161	1.0226	0.2748	0.0152	0.2900	0.0000	1,475.4801	1,475.4801	0.0409	0.1566	1,523.1565

Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.2000e-003	0.0612	0.0875	1.4000e-004		3.0600e-003	3.0600e-003		2.8200e-003	2.8200e-003	0.0000	12.0161	12.0161	3.8900e-003	0.0000	12.1133
Paving	0.0559					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0621	0.0612	0.0875	1.4000e-004		3.0600e-003	3.0600e-003		2.8200e-003	2.8200e-003	0.0000	12.0161	12.0161	3.8900e-003	0.0000	12.1133

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	1.8200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4197	0.4197	2.0000e-005	1.0000e-005	0.4244
Total	2.3000e-004	1.6000e-004	1.8200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4197	0.4197	2.0000e-005	1.0000e-005	0.4244

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.2000e-003	0.0612	0.0875	1.4000e-004		3.0600e-003	3.0600e-003		2.8200e-003	2.8200e-003	0.0000	12.0161	12.0161	3.8900e-003	0.0000	12.1133
Paving	0.0559					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0621	0.0612	0.0875	1.4000e-004		3.0600e-003	3.0600e-003		2.8200e-003	2.8200e-003	0.0000	12.0161	12.0161	3.8900e-003	0.0000	12.1133

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	1.8200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4197	0.4197	2.0000e-005	1.0000e-005	0.4244
Total	2.3000e-004	1.6000e-004	1.8200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4197	0.4197	2.0000e-005	1.0000e-005	0.4244

Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.2095					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1500e-003	7.8200e-003	0.0109	2.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5342
Total	3.2106	7.8200e-003	0.0109	2.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5342

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1500e-003	3.4400e-003	0.0401	1.0000e-004	0.0118	6.0000e-005	0.0119	3.1400e-003	6.0000e-005	3.2000e-003	0.0000	9.2619	9.2619	3.8000e-004	3.2000e-004	9.3656
Total	5.1500e-003	3.4400e-003	0.0401	1.0000e-004	0.0118	6.0000e-005	0.0119	3.1400e-003	6.0000e-005	3.2000e-003	0.0000	9.2619	9.2619	3.8000e-004	3.2000e-004	9.3656

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.2095					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1500e-003	7.8200e-003	0.0109	2.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5342
Total	3.2106	7.8200e-003	0.0109	2.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5342

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1500e-003	3.4400e-003	0.0401	1.0000e-004	0.0118	6.0000e-005	0.0119	3.1400e-003	6.0000e-005	3.2000e-003	0.0000	9.2619	9.2619	3.8000e-004	3.2000e-004	9.3656
Total	5.1500e-003	3.4400e-003	0.0401	1.0000e-004	0.0118	6.0000e-005	0.0119	3.1400e-003	6.0000e-005	3.2000e-003	0.0000	9.2619	9.2619	3.8000e-004	3.2000e-004	9.3656

Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated					0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated					0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7339	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Unmitigated	0.7339	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7318					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Total	0.7339	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7318					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Total	0.7339	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

Giovannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr		
City Park	0 / 0	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0 / 0	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr		
City Park	0 / 0	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0 / 0	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000

Gioannoni Logistics Phase 2 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual
EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied
Giovannoni Logistics Phase 1 Con - AIR-2a
Napa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	469.52	1000sqft	10.78	469,520.00	0
Refrigerated Warehouse-Rail	601.38	1000sqft	13.81	601,380.00	0
Other Non-Asphalt Surfaces	106.71	1000sqft	2.45	0.00	0
Parking Lot	860.00	Space	34.40	1,488,504.00	0
City Park	8.76	Acre	8.76	381,585.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - CalEEMod Note 2
- Construction Phase - CalEEMod Note 3
- Off-road Equipment - CalEEMod Note 4
- Trips and VMT - CalEEMod Note 6
- Grading - CalEEMod Note 5
- Architectural Coating -
- Vehicle Trips - CalEEMod Note 7
- Consumer Products -
- Energy Use - CalEEMod Note 7
- Water And Wastewater - CalEEMod Note 7
- Solid Waste - CalEEMod Note 7
- Construction Off-road Equipment Mitigation - CalEEMod Note 8
- Area Mitigation - CalEEMod Note 8
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 7
- Stationary Sources - Process Boilers -

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValu	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	40.00	6.00
tblConstructionPhase	NumDays	110.00	17.00
tblConstructionPhase	NumDays	1,110.00	168.00
tblConstructionPhase	NumDays	75.00	11.00
tblConstructionPhase	NumDays	75.00	11.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.62	0.00
tblEnergyUse	LightingElect	1.62	0.00
tblEnergyUse	NT24E	7.99	0.00
tblEnergyUse	NT24E	7.99	0.00
tblEnergyUse	NT24NG	3.06	0.00
tblEnergyUse	NT24NG	3.06	0.00
tblEnergyUse	T24E	0.12	0.00
tblEnergyUse	T24E	0.12	0.00
tblEnergyUse	T24NG	0.72	0.00
tblEnergyUse	T24NG	0.72	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	LDA	0.52	0.59
tblFleetMix	LDA	0.52	0.59
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.3450e-003	0.00
tblFleetMix	LHD2	8.3450e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.15
tblFleetMix	MDV	0.14	0.15
tblFleetMix	MH	4.5230e-003	0.00
tblFleetMix	MH	4.5230e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.8150e-003	0.00

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tbFleetMix	OBUS	1.8150e-003	0.00
tbFleetMix	SBUS	1.9730e-003	0.00
tbFleetMix	SBUS	1.9730e-003	0.00
tbFleetMix	UBUS	6.4000e-004	0.00
tbFleetMix	UBUS	6.4000e-004	0.00
tbGrading	MaterialImported	0.00	5,400.00
tbLandUse	LandUseSquareFeet	106,710.00	0.00
tbLandUse	LandUseSquareFeet	344,000.00	1,498,504.00
tbLandUse	LotAcreage	7.74	34.40
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tbSolidWaste	SolidWasteGenerationRate	0.75	0.00
tbSolidWaste	SolidWasteGenerationRate	441.35	0.00
tbSolidWaste	SolidWasteGenerationRate	565.30	0.00
tbStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tbStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tbStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tbStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tbStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tbStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tbTripsAndVMT	WorkerTripLength	10.80	8.12
tbTripsAndVMT	WorkerTripLength	10.80	8.12
tbTripsAndVMT	WorkerTripLength	10.80	8.12
tbTripsAndVMT	WorkerTripLength	10.80	8.12
tbTripsAndVMT	WorkerTripLength	10.80	8.12
tbVehicleTrips	CNW_TL	7.30	8.12
tbVehicleTrips	CNW_TL	7.30	8.12
tbVehicleTrips	CW_TL	9.50	8.12
tbVehicleTrips	CW_TL	9.50	8.12
tbVehicleTrips	DV_TP	5.00	0.00
tbVehicleTrips	DV_TP	5.00	0.00
tbVehicleTrips	PB_TP	3.00	0.00
tbVehicleTrips	PB_TP	3.00	0.00
tbVehicleTrips	PR_TP	92.00	100.00
tbVehicleTrips	PR_TP	92.00	100.00
tbVehicleTrips	ST_TR	1.96	0.00
tbVehicleTrips	ST_TR	2.12	0.00
tbVehicleTrips	ST_TR	2.12	0.00
tbVehicleTrips	SU_TR	2.19	0.00
tbVehicleTrips	SU_TR	2.12	0.00
tbVehicleTrips	SU_TR	2.12	0.00
tbVehicleTrips	WD_TR	0.78	0.00
tbVehicleTrips	WD_TR	2.12	0.00
tbVehicleTrips	WD_TR	2.12	0.00
tbWater	IndoorWaterUseRate	108,576,500.00	0.00
tbWater	IndoorWaterUseRate	139,069,125.00	0.00
tbWater	OutdoorWaterUseRate	10,437,376.62	0.00

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	6.5244	4.4841	4.7708	0.0175	0.9794	0.1182	1.0975	0.2770	0.1112	0.3882	0.0000	1,636.7419	1,636.7419	0.1080	0.1488	1,683.7907
Maximum	6.5244	4.4841	4.7708	0.0175	0.9794	0.1182	1.0975	0.2770	0.1112	0.3882	0.0000	1,636.7419	1,636.7419	0.1080	0.1488	1,683.7907

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	6.5244	4.4841	4.7708	0.0175	0.9360	0.1182	1.0542	0.2598	0.1112	0.3711	0.0000	1,636.7416	1,636.7416	0.1080	0.1488	1,683.7904
Maximum	6.5244	4.4841	4.7708	0.0175	0.9360	0.1182	1.0542	0.2598	0.1112	0.3711	0.0000	1,636.7416	1,636.7416	0.1080	0.1488	1,683.7904

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	4.43	0.00	3.95	6.18	0.00	4.41	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	1.5906	1.5906
2	4-3-2022	7-2-2022	1.7204	1.7204
3	7-3-2022	9-30-2022	1.6551	1.6551
		Highest	1.7204	1.7204

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1/3/2022	1/10/2022	5	6	
2	Grading	Grading	1/11/2022	2/2/2022	5	17	
3	Building Construction	Building Construction	2/3/2022	9/26/2022	5	168	
4	Paving	Paving	9/27/2022	10/11/2022	5	11	
5	Architectural Coating	Architectural Coating	10/12/2022	10/26/2022	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 51

Acres of Paving: 36.85

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,606,352; Non-Residential Outdoor: 535,451; Striped Parking Area: 89,910

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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

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	4	10.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	675.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,239.00	484.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	248.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.1 Mitigation Measures Construction

Water Exposed Area
Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9800e-003	0.0201	0.0269	4.0000e-005		1.0800e-003	1.0800e-003		9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059
Total	1.9800e-003	0.0201	0.0269	4.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461
Total	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9800e-003	0.0201	0.0269	4.0000e-005		1.0800e-003	1.0800e-003		9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059
Total	1.9800e-003	0.0201	0.0269	4.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461
Total	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual
 EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

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					0.0788	0.0000	0.0788	0.0311	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0308	0.3302	0.2469	5.3000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292
Total	0.0308	0.3302	0.2469	5.3000e-004	0.0788	0.0139	0.0927	0.0311	0.0128	0.0439	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292

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
	tons/yr										MT/yr					
Hauling	1.6600e-003	0.0615	0.0116	2.2000e-004	5.7000e-003	5.4000e-004	6.2300e-003	1.5700e-003	5.1000e-004	2.0800e-003	0.0000	21.4738	21.4738	7.0000e-004	3.3900e-003	22.5029
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	4.8000e-004	3.3000e-004	3.7300e-005	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8181	0.8181	4.0000e-005	3.0000e-005	0.8277
Total	2.1400e-003	0.0618	0.0153	2.3000e-004	6.7100e-003	5.5000e-004	7.2500e-003	1.8400e-003	5.2000e-004	2.3500e-003	0.0000	22.2919	22.2919	7.4000e-004	3.4200e-003	23.3306

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
	tons/yr										MT/yr					
Fugitive Dust					0.0355	0.0000	0.0355	0.0140	0.0000	0.0140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0308	0.3302	0.2469	5.3000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292
Total	0.0308	0.3302	0.2469	5.3000e-004	0.0355	0.0139	0.0494	0.0140	0.0128	0.0268	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292

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
	tons/yr										MT/yr					
Hauling	1.6600e-003	0.0615	0.0116	2.2000e-004	5.7000e-003	5.4000e-004	6.2300e-003	1.5700e-003	5.1000e-004	2.0800e-003	0.0000	21.4738	21.4738	7.0000e-004	3.3900e-003	22.5029
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	4.8000e-004	3.3000e-004	3.7300e-005	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8181	0.8181	4.0000e-005	3.0000e-005	0.8277
Total	2.1400e-003	0.0618	0.0153	2.3000e-004	6.7100e-003	5.5000e-004	7.2500e-003	1.8400e-003	5.2000e-004	2.3500e-003	0.0000	22.2919	22.2919	7.4000e-004	3.4200e-003	23.3306

3.4 Building Construction - 2022

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					
Off-Road	0.1433	1.3117	1.3745	2.2600e-003		0.0680	0.0680		0.0639	0.0639	0.0000	194.6492	194.6492	0.0466	0.0000	195.8150
Total	0.1433	1.3117	1.3745	2.2600e-003		0.0680	0.0680		0.0639	0.0639	0.0000	194.6492	194.6492	0.0466	0.0000	195.8150

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1019	2.4849	0.7037	8.7700e-003	0.2665	0.0275	0.2940	0.0771	0.0263	0.1034	0.0000	849.8061	849.8061	0.0189	0.1272	888.1935
Worker	0.2912	0.2036	2.2810	5.4600e-003	0.6196	3.5500e-003	0.6221	0.1646	3.2700e-003	0.1679	0.0000	500.8363	500.8363	0.0218	0.0179	506.7172
Total	0.3931	2.6885	2.9848	0.0142	0.8851	0.0311	0.9161	0.2417	0.0296	0.2713	0.0000	1,350.6424	1,350.6424	0.0406	0.1451	1,394.9106

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1433	1.3117	1.3745	2.2600e-003		0.0680	0.0680		0.0639	0.0639	0.0000	194.6490	194.6490	0.0466	0.0000	195.8148
Total	0.1433	1.3117	1.3745	2.2600e-003		0.0680	0.0680		0.0639	0.0639	0.0000	194.6490	194.6490	0.0466	0.0000	195.8148

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1019	2.4849	0.7037	8.7700e-003	0.2665	0.0275	0.2940	0.0771	0.0263	0.1034	0.0000	849.8061	849.8061	0.0189	0.1272	888.1935
Worker	0.2912	0.2036	2.2810	5.4600e-003	0.6196	3.5500e-003	0.6221	0.1646	3.2700e-003	0.1679	0.0000	500.8363	500.8363	0.0218	0.0179	506.7172
Total	0.3931	2.6885	2.9848	0.0142	0.8851	0.0311	0.9161	0.2417	0.0296	0.2713	0.0000	1,350.6424	1,350.6424	0.0406	0.1451	1,394.9106

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0700e-003	0.0612	0.0802	1.3000e-004		3.1200e-003	3.1200e-003		2.8700e-003	2.8700e-003	0.0000	11.0152	11.0152	3.5600e-003	0.0000	11.1042
Paving	0.0451					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0511	0.0612	0.0802	1.3000e-004		3.1200e-003	3.1200e-003		2.8700e-003	2.8700e-003	0.0000	11.0152	11.0152	3.5600e-003	0.0000	11.1042

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	1.8100e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3970	0.3970	2.0000e-005	1.0000e-005	0.4017
Total	2.3000e-004	1.6000e-004	1.8100e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3970	0.3970	2.0000e-005	1.0000e-005	0.4017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0700e-003	0.0612	0.0802	1.3000e-004		3.1200e-003	3.1200e-003		2.8700e-003	2.8700e-003	0.0000	11.0151	11.0151	3.5600e-003	0.0000	11.1042
Paving	0.0451					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0511	0.0612	0.0802	1.3000e-004		3.1200e-003	3.1200e-003		2.8700e-003	2.8700e-003	0.0000	11.0151	11.0151	3.5600e-003	0.0000	11.1042

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	1.8100e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3970	0.3970	2.0000e-005	1.0000e-005	0.4017
Total	2.3000e-004	1.6000e-004	1.8100e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3970	0.3970	2.0000e-005	1.0000e-005	0.4017

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2022

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						
Archit. Coating	5.8966					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1200e-003	7.7500e-003	9.9700e-003	2.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	1.4043	1.4043	9.0000e-005	0.0000		1.4066
Total	5.8978	7.7500e-003	9.9700e-003	2.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	1.4043	1.4043	9.0000e-005	0.0000		1.4066

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	
	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8200e-003	2.6700e-003	0.0299	7.0000e-005	8.1100e-003	5.0000e-005	8.1500e-003	2.1600e-003	4.0000e-005	2.2000e-003	0.0000	6.5639	6.5639	2.9000e-004	2.3000e-004		6.6409
Total	3.8200e-003	2.6700e-003	0.0299	7.0000e-005	8.1100e-003	5.0000e-005	8.1500e-003	2.1600e-003	4.0000e-005	2.2000e-003	0.0000	6.5639	6.5639	2.9000e-004	2.3000e-004		6.6409

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	
	tons/yr										MT/yr						
Archit. Coating	5.8966					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1200e-003	7.7500e-003	9.9700e-003	2.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	1.4043	1.4043	9.0000e-005	0.0000		1.4066
Total	5.8978	7.7500e-003	9.9700e-003	2.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	1.4043	1.4043	9.0000e-005	0.0000		1.4066

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	
	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8200e-003	2.6700e-003	0.0299	7.0000e-005	8.1100e-003	5.0000e-005	8.1500e-003	2.1600e-003	4.0000e-005	2.2000e-003	0.0000	6.5639	6.5639	2.9000e-004	2.3000e-004		6.6409
Total	3.8200e-003	2.6700e-003	0.0299	7.0000e-005	8.1100e-003	5.0000e-005	8.1500e-003	2.1600e-003	4.0000e-005	2.2000e-003	0.0000	6.5639	6.5639	2.9000e-004	2.3000e-004		6.6409

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

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					
Mitigated	4.5422	1.0000e-004	0.0109	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0197	0.0197	4.0000e-005	0.0000	0.0207
Unmitigated	4.8743	1.7000e-004	0.0188	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0366	0.0366	1.0000e-004	0.0000	0.0390

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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											MT/yr						
Architectural Coating	0.5897					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7500e-003	1.7000e-004	0.0188	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0366	0.0366	1.0000e-004	0.0000	0.0390	
Total	4.8743	1.7000e-004	0.0188	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0366	0.0366	1.0000e-004	0.0000	0.0390	

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
tons/yr											MT/yr					
Architectural Coating	0.2586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.4000e-004	1.0000e-004	0.0109	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0197	0.0197	4.0000e-005	0.0000	0.0207
Total	4.5422	1.0000e-004	0.0109	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0197	0.0197	4.0000e-005	0.0000	0.0207

7.0 Water Detail

7.1 Mitigation Measures Water

Category	Total CO2	CH4	N2O	CO2e
MT/yr				
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

Land Use	Indoor/Outdoor Use Mgal	Total CO2	CH4	N2O	CO2e
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	Indoor/Outdoor Use Mgal	Total CO2	CH4	N2O	CO2e
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		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
Emergency Generator	0	4	48	50	0.73	Diesel
Fire Pump	0	4	48	50	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

Equipment Type	ROG	NOx	CO	SO2	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					
Emergency Generator - Diesel (50 - 75 HP)	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fire Pump - Diesel (50 - 75 HP)	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000

Giovanni Logistics Phase 1 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Giovanni Logistics Phase 1 COLD Op
Napa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	469.52	1000sqft	10.78	469,520.00	0
Refrigerated Warehouse-Rail	601.38	1000sqft	13.81	601,380.00	0
Parking Lot	860.00	Space	34.40	1,498,504.00	0
City Park	8.76	Acre	8.76	381,585.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022

Utility Company Pacific Gas and Electric Company

CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004
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1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - CalEEMod Note 2
- Construction Phase - CalEEMod Note 7
- Off-road Equipment - CalEEMod Note 7
- Trips and VMT -
- Grading -
- Architectural Coating -
- Vehicle Trips - CalEEMod Note 9
- Consumer Products -
- Energy Use -
- Water And Wastewater - CalEEMod Note 10
- Construction Off-road Equipment Mitigation -
- Area Mitigation -
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 11
- Stationary Sources - Process Boilers -

Giovanni Logistics Phase 1 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	40.00	0.00
tblFleetMx	HHH	0.01	0.00
tblFleetMx	HHH	0.01	0.00
tblFleetMx	LDA	0.52	0.58
tblFleetMx	LDA	0.52	0.58
tblFleetMx	LDT1	0.06	0.06
tblFleetMx	LDT1	0.06	0.06
tblFleetMx	LDT2	0.18	0.20
tblFleetMx	LDT2	0.18	0.20
tblFleetMx	LHD1	0.04	0.00
tblFleetMx	LHD1	0.04	0.00
tblFleetMx	LHD2	8.3450e-003	0.00
tblFleetMx	LHD2	8.3450e-003	0.00
tblFleetMx	MCY	0.03	0.00
tblFleetMx	MCY	0.03	0.00
tblFleetMx	MDV	0.14	0.16
tblFleetMx	MDV	0.14	0.16
tblFleetMx	MH	4.5230e-003	0.00
tblFleetMx	MH	4.5230e-003	0.00
tblFleetMx	MHD	0.01	0.00
tblFleetMx	MHD	0.01	0.00
tblFleetMx	OBUS	1.8150e-003	0.00
tblFleetMx	OBUS	1.8150e-003	0.00
tblFleetMx	SBUS	1.9730e-003	0.00
tblFleetMx	SBUS	1.9730e-003	0.00
tblFleetMx	UBUS	6.4000e-004	0.00
tblFleetMx	UBUS	6.4000e-004	0.00
tblLandUse	LandUseSquareFeet	344,000.00	1,466,504.00
tblLandUse	LotAcreage	7.74	34.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.98	0.00
tblVehicleTrips	ST_TR	2.12	1.18
tblVehicleTrips	ST_TR	2.12	1.18
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	1.18
tblVehicleTrips	SU_TR	2.12	1.18
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	1.18
tblVehicleTrips	WD_TR	2.12	1.18
tblWater	IndoorWaterUseRate	108,576,500.00	2,565,220.00
tblWater	IndoorWaterUseRate	139,069,125.00	3,292,865.00
tblWater	OutdoorWaterUseRate	10,437,376.62	2,786,968.00

Giovanni Logistics Phase 1 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational
Unmitigated Operational

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					
Area	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369
Energy	0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	1,228.6278	1,228.6278	0.1680	0.0238	1,239.9244
Mobile	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3558	1,132.3558	0.0464	0.0396	1,145.3080
Stationary	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.1000e-004	0.0000	3.6685
Waste						0.0000	0.0000		0.0000	0.0000	204.4931	0.0000	204.4931	12.0852	0.0000	506.6230
Water						0.0000	0.0000		0.0000	0.0000	1.8584	3.8352	5.6937	0.1915	4.5800e-003	11.8467
Total	5.2947	0.6549	4.9923	0.0136	1.3646	0.6243	1.3889	0.3628	0.0237	0.3865	206.3515	2,368.5092	2,574.8607	12.4916	0.9680	2,907.4075

Mitigated Operational

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					
Area	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369
Energy	0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	1,228.6278	1,228.6278	0.1680	0.0238	1,239.9244
Mobile	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3558	1,132.3558	0.0464	0.0396	1,145.3080
Stationary	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.1000e-004	0.0000	3.6685
Waste						0.0000	0.0000		0.0000	0.0000	204.4931	0.0000	204.4931	12.0852	0.0000	506.6230
Water						0.0000	0.0000		0.0000	0.0000	1.8584	3.8352	5.6937	0.1915	4.5800e-003	11.8467
Total	5.2947	0.6549	4.9923	0.0136	1.3646	0.6243	1.3889	0.3628	0.0237	0.3865	206.3515	2,368.5092	2,574.8607	12.4916	0.9680	2,907.4075

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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					
Mitigated	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3558	1,132.3558	0.0464	0.0396	1,145.3080
Unmitigated	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3558	1,132.3558	0.0464	0.0396	1,145.3080

Giovanni Logistics Phase 1 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	554.03	554.03	554.03	1,637,546	1,637,546
Refrigerated Warehouse-Rail	709.63	709.63	709.63	2,097,434	2,097,434
Total	1,263.66	1,263.66	1,263.66	3,734,981	3,734,981

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0
Refrigerated Warehouse-Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHO	OBUS	UBUS	MCY	SBUS	MH
City Park	0.519131	0.057850	0.178660	0.140619	0.035215	0.008345	0.013447	0.010718	0.001815	0.000640	0.027064	0.001973	0.004523
Parking Lot	0.519131	0.057850	0.178660	0.140619	0.035215	0.008345	0.013447	0.010718	0.001815	0.000640	0.027064	0.001973	0.004523
Refrigerated Warehouse-No Rail	0.579219	0.064546	0.199339	0.156895	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Refrigerated Warehouse-Rail	0.579219	0.064546	0.199339	0.156895	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	ROG	NOx	CO	SO2	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	1,012.6110	1,012.6110	0.1638	0.0199	1,022.6230
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,012.6110	1,012.6110	0.1638	0.0199	1,022.6230
Natural Gas Mitigated	0.0218	0.1984	0.1667	1.1900e-003	0.0151	0.0151	0.0151	0.0151	0.0151	0.0000	216.0168	216.0168	4.1400e-003	3.9600e-003		217.3005
Natural Gas Unmitigated	0.0218	0.1984	0.1667	1.1900e-003	0.0151	0.0151	0.0151	0.0151	0.0151	0.0000	216.0168	216.0168	4.1400e-003	3.9600e-003		217.3005

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	Natural Gas Use kBtu/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
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-No Rail	1.77479e+006	9.5700e-003	0.0870	0.0731	5.2000e-004	6.6100e-003	6.6100e-003	6.6100e-003	6.6100e-003	6.6100e-003	6.6100e-003	0.0000	94.7093	94.7093	1.8200e-003	1.7400e-003	95.2721
Refrigerated Warehouse-Rail	2.27322e+006	0.0123	0.1114	0.0936	6.7000e-004	8.4700e-003	8.4700e-003	8.4700e-003	8.4700e-003	8.4700e-003	8.4700e-003	0.0000	121.3075	121.3075	2.3300e-003	2.2200e-003	122.0284
Total		0.0218	0.1984	0.1667	1.1900e-003	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0000	216.0168	216.0168	4.1400e-003	3.9600e-003	217.3005

Giovanni Logistics Phase 1 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

Land Use	Natural Gas Use kBtu/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	
		tons/yr											MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	1.77479e+006	9.5700e+003	0.0870	0.0731	5.2000e+004		6.6100e+003	6.6100e+003	6.6100e+003	6.6100e+003	6.6100e+003	0.0000	94.7093	94.7093	1.8200e+003	1.7400e+003	95.2721	
Refrigerated Warehouse-Rail	2.27322e+006	0.0123	0.1114	0.0936	6.7000e+004		8.4700e+003	8.4700e+003	8.4700e+003	8.4700e+003	8.4700e+003	0.0000	121.3075	121.3075	2.3300e+003	2.2200e+003	122.0284	
Total		0.0216	0.1984	0.1667	1.1900e+003		0.0151	0.0151	0.0151	0.0151	0.0151	0.0000	216.0168	216.0168	4.1500e+003	3.9600e+003	217.3805	

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	524476	48.5265	7.8500e-003	9.5000e-004	49.0064
Refrigerated Warehouse-No Rail	4.56843e+006	422.6883	0.0684	8.2900e-003	426.8690
Refrigerated Warehouse-Rail	5.85143e+006	541.3961	0.0876	0.0106	546.7496
Total		1,012.6110	0.1638	0.0199	1,022.6239

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	524476	48.5265	7.8500e-003	9.5000e-004	49.0064
Refrigerated Warehouse-No Rail	4.56843e+006	422.6883	0.0684	8.2900e-003	426.8690
Refrigerated Warehouse-Rail	5.85143e+006	541.3961	0.0876	0.0106	546.7496
Total		1,012.6110	0.1638	0.0199	1,022.6239

6.0 Area Detail

6.1 Mitigation Measures Area

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				
Mitigated	4.8742	1.6000e-004	0.0179	0.0000	6.0000e-005	6.0000e-005	6.0000e-005	6.0000e-005	6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369
Unmitigated	4.8742	1.6000e-004	0.0179	0.0000	6.0000e-005	6.0000e-005	6.0000e-005	6.0000e-005	6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369

Giovanni Logistics Phase 1 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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										MT/yr						
Architectural Coating	0.5897					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2629					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0000	0.0369
Total	4.8742	1.6600e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0000	0.0369

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	
	tons/yr										MT/yr						
Architectural Coating	0.5897					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2629					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0000	0.0369
Total	4.8742	1.6600e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0000	0.0369

7.0 Water Detail

7.1 Mitigation Measures Water

Category	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.6937	0.1915	4.5800e-003	11.8467
Unmitigated	5.6937	0.1915	4.5800e-003	11.8467

7.2 Water by Land Use

Unmitigated

Land Use	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
City Park	0 / 2.78697	0.9025	1.5000e-004	2.0000e-005	0.9114
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No	2.56522 / 0	2.0981	0.0938	2.0000e-003	4.7988
Refrigerated Warehouse-Rail	3.29267 / 0	2.6931	0.1078	2.5700e-003	6.1466
Total		5.6937	0.1915	4.5900e-003	11.8467

Giovanni Logistics Phase 1 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 2.78697	0.9025	1.5000e-004	2.0000e-005	0.9114
Parking lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2.56522 / 0	2.0981	0.0838	2.0000e-003	4.7886
Refrigerated Warehouse-Rail	3.29267 / 0	2.6931	0.1076	2.5700e-003	6.1466
Total		5.6937	0.1915	4.5900e-003	11.8467

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	204.4931	12.0852	0.0000	506.6230
Unmitigated	204.4931	12.0852	0.0000	506.6230

8.2 Waste by Land Use

Unmitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0.75	0.1522	8.0000e-003	0.0000	0.3772
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	441.35	89.5901	5.2946	0.0000	221.9558
Refrigerated Warehouse-Rail	565.3	114.7508	6.7816	0.0000	284.2502
Total		204.4931	12.0852	0.0000	506.6230

Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0.75	0.1522	8.0000e-003	0.0000	0.3772
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	441.35	89.5901	5.2946	0.0000	221.9558
Refrigerated Warehouse-Rail	565.3	114.7508	6.7816	0.0000	284.2502
Total		204.4931	12.0852	0.0000	506.6230

Giovanni Logistics Phase 1 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	4	48	50	0.73	Diesel
Fire Pump	2	4	48	50	0.73	Diesel

Boilers

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

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

10.1 Stationary Sources

Unmitigated/Mitigated

Equipment Type	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NonBio- CO2	Total CO2	CH4	N2O	CO2e
	tms/yr										MT/yr					
Emergency Generator - Diesel	3.8400e-003	0.0128	0.0143	2.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Fire Pump - Diesel (50 - 75 HP)	3.8400e-003	0.0128	0.0143	2.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Total	7.6800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.2000e-004	0.0000	3.6685

Giovanni Logistics Phase 1 DRY Op - Napa County, Annual
EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied
Giovanni Logistics Phase 1 DRY Op
 Napa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	469.52	1000sqft	10.78	469,520.00	0
Unrefrigerated Warehouse-Rail	601.38	1000sqft	13.81	601,380.00	0
Parking Lot	860.00	Space	34.40	1,498,504.00	0
City Park	8.76	Acre	8.76	381,585.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - CalEEMod Note 2
- Construction Phase - CalEEMod Note 7
- Off-road Equipment - CalEEMod Note 7
- Trips and VMT -
- Grading -
- Architectural Coating -
- Vehicle Trips - CalEEMod Note 9
- Consumer Products -
- Energy Use -
- Water And Wastewater - CalEEMod Note 10
- Construction Off-road Equipment Mitigation -
- Area Mitigation -
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 11
- Stationary Sources - Process Boilers -

Giovanni Logistics Phase 1 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	40.00	0.00
tblConstructionPhase	PhaseEndDate	2/25/2022	1/2/2022
tblFleetMix	HHD	0.01	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	LDA	0.52	0.58
tblFleetMix	LDA	0.52	0.58
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.3450e-003	0.00
tblFleetMix	LHD2	8.3450e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.16
tblFleetMix	MDV	0.14	0.16
tblFleetMix	MH	4.5230e-003	0.00
tblFleetMix	MH	4.5230e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.8150e-003	0.00
tblFleetMix	OBUS	1.8150e-003	0.00
tblFleetMix	SBUS	1.9730e-003	0.00
tblFleetMix	SBUS	1.9730e-003	0.00
tblFleetMix	UBUS	6.4000e-004	0.00
tblFleetMix	UBUS	6.4000e-004	0.00
tblLandUse	LandUseSquareFeet	344,000.00	1,498,504.00
tblLandUse	LotAcreage	7.74	34.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.74	1.18
tblVehicleTrips	ST_TR	1.74	1.18
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.74	1.18
tblVehicleTrips	SU_TR	1.74	1.18
tblVehicleTrips	SU_TR	1.74	1.18
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	1.74	1.18
tblVehicleTrips	WD_TR	1.74	1.18
tblWater	IndoorWaterUseRate	108,576,500.00	2,585,220.00
tblWater	IndoorWaterUseRate	139,069,125.00	3,292,665.00
tblWater	OutdoorWaterUseRate	10,437,376.62	2,786,968.00

Giovanni Logistics Phase 1 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

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					
Area	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369
Energy	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	591.9062	591.9062	0.0677	0.0114	596.9835
Mobile	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3558	1,132.3558	0.0464	0.0396	1,145.3080
Stationary	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.1000e-004	0.0000	3.6685
Waste						0.0000	0.0000		0.0000	0.0000	204.4931	0.0000	204.4931	12.0852	0.0000	506.6230
Water						0.0000	0.0000		0.0000	0.0000	1.8584	3.8352	5.6937	0.1915	4.5800e-003	11.8467
Total	5.2927	0.6371	4.9773	0.0135	1.3646	0.0229	1.3875	0.3628	0.0223	0.3851	206.3515	1,731.7876	1,938.1391	12.3914	0.0555	2,264.4666

Mitigated Operational

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					
Area	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369
Energy	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	591.9062	591.9062	0.0677	0.0114	596.9835
Mobile	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3558	1,132.3558	0.0464	0.0396	1,145.3080
Stationary	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.1000e-004	0.0000	3.6685
Waste						0.0000	0.0000		0.0000	0.0000	204.4931	0.0000	204.4931	12.0852	0.0000	506.6230
Water						0.0000	0.0000		0.0000	0.0000	1.8584	3.8352	5.6937	0.1915	4.5800e-003	11.8467
Total	5.2927	0.6371	4.9773	0.0135	1.3646	0.0229	1.3875	0.3628	0.0223	0.3851	206.3515	1,731.7876	1,938.1391	12.3914	0.0555	2,264.4666

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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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					
Mitigated	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3558	1,132.3558	0.0464	0.0396	1,145.3080
Unmitigated	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3558	1,132.3558	0.0464	0.0396	1,145.3080

Giovanni Logistics Phase 1 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	554.03	554.03	554.03	1,637,546	1,637,546
Unrefrigerated Warehouse-Rail	709.63	709.63	709.63	2,097,434	2,097,434
Total	1,263.66	1,263.66	1,263.66	3,734,981	3,734,981

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0
Unrefrigerated Warehouse-Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LD1	LD2	MDV	LHD1	LHD2	MHD	HHH	OBUS	UBUS	MCY	SBUS	M4
City Park	0.519131	0.057850	0.178660	0.140619	0.035215	0.008345	0.013447	0.010718	0.001815	0.000640	0.027064	0.001973	0.004523
Parking Lot	0.519131	0.057850	0.178660	0.140619	0.035215	0.008345	0.013447	0.010718	0.001815	0.000640	0.027064	0.001973	0.004523
Unrefrigerated Warehouse-No Rail	0.579219	0.064546	0.199339	0.156895	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-Rail	0.579219	0.064546	0.199339	0.156895	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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										Mt/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	395.3195	395.3195	0.0640	7.7500e-003	399.2285
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	395.3195	395.3195	0.0640	7.7500e-003	399.2285
Natural Gas Mitigated	0.0199	0.1806	0.1517	1.0900e-003	0.0137	0.0137		0.0137	0.0137	0.0000	196.5867	196.5867	3.7700e-003	3.6000e-003	197.7549	
Natural Gas Unmitigated	0.0199	0.1806	0.1517	1.0900e-003	0.0137	0.0137		0.0137	0.0137	0.0000	196.5867	196.5867	3.7700e-003	3.6000e-003	197.7549	

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr	tons/yr										Mt/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated Warehouse-No Rail	1.61515e+006	8.7100e-003	0.0792	0.0665	4.8000e-004		6.0200e-003	6.0200e-003		6.0200e-003	6.0200e-003	0.0000	86.1905	86.1905	1.6500e-003	1.5800e-003	86.7027
Unrefrigerated Warehouse-Rail	2.06075e+006	0.0112	0.1014	0.0852	6.1000e-004		7.7100e-003	7.7100e-003		7.7100e-003	7.7100e-003	0.0000	110.3962	110.3962	2.1200e-003	2.0200e-003	111.0523
Total		0.0199	0.1806	0.1517	1.0900e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.5867	196.5867	3.7700e-003	3.6000e-003	197.7549

Giovanni Logistics Phase 1 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

Land Use	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
	kBTU/yr	tons/yr										MT/yr						
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.61515e+006	8.7100e-003	0.0792	0.0665	4.8000e-004		6.0200e-003	6.0200e-003		6.0200e-003	6.0200e-003	0.0000	86.1905	86.1905	1.6500e-003	1.5800e-003	86.7027	
Unrefrigerated Warehouse-Rail	2.06875e+006	0.0112	0.1014	0.0852	6.1000e-004		7.7100e-003	7.7100e-003		7.7100e-003	7.7100e-003	0.0000	110.3962	110.3962	2.1200e-003	2.0200e-003	111.0523	
Total		0.0199	0.1806	0.1517	1.0900e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.5867	196.5867	3.7700e-003	3.6000e-003	197.7549	

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	524476	48.5265	7.8500e-003	9.5000e-004	49.0064
Unrefrigerated Warehouse-No Rail	1.64332e+006	152.0462	0.0246	2.9800e-003	153.5496
Unrefrigerated Warehouse-Rail	2.10483e+006	194.7468	0.0315	3.8200e-003	196.6725
Total		395.3195	0.0640	7.7500e-003	399.2285

Mitigated

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	524476	48.5265	7.8500e-003	9.5000e-004	49.0064
Unrefrigerated Warehouse-No Rail	1.64332e+006	152.0462	0.0246	2.9800e-003	153.5496
Unrefrigerated Warehouse-Rail	2.10483e+006	194.7468	0.0315	3.8200e-003	196.6725
Total		395.3195	0.0640	7.7500e-003	399.2285

6.0 Area Detail

6.1 Mitigation Measures Area

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					
Mitigated	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369
Unmitigated	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369

Giovanni Logistics Phase 1 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.5897					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369	
Total	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369	

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5897					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369
Total	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.6937	0.1915	4.5800e-003	11.8467
Unmitigated	5.6937	0.1915	4.5800e-003	11.8467

7.2 Water by Land Use

Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr		
City Park	0 / 2.78697	0.9025	1.5000e-004	2.0000e-005
Parking Lot	0 / 0	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2.56522 / 0	2.0981	0.0838	2.0000e-003
Unrefrigerated Warehouse-Rail	3.29267 / 0	2.6931	0.1076	2.5700e-003
Total		5.6937	0.1915	4.5800e-003

Giovanni Logistics Phase 1 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr		
City Park	0 / 2.78697	0.9025	1.5000e-004	2.0020e-005
Parking Lot	0 / 0	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2.86522 / 0	2.0981	0.0838	2.0900e-003
Unrefrigerated Warehouse-Rail	3.29267 / 0	2.6931	0.1076	2.5700e-003
Total		5.6937	0.1915	4.5900e-003

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	204.4931	12.0852	0.0000	506.6230
Unmitigated	204.4931	12.0852	0.0000	506.6230

8.2 Waste by Land Use

Unmitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0.75	0.1522	9.0000e-003	0.0000	0.3772
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	441.35	89.5901	5.2946	0.0000	221.9556
Unrefrigerated Warehouse-Rail	565.3	114.7508	6.7816	0.0000	284.2902
Total		204.4931	12.0852	0.0000	506.6230

Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0.75	0.1522	9.0000e-003	0.0000	0.3772
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	441.35	89.5901	5.2946	0.0000	221.9556
Unrefrigerated Warehouse-Rail	565.3	114.7508	6.7816	0.0000	284.2902
Total		204.4931	12.0852	0.0000	506.6230

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Giovanni Logistics Phase 1 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	4	48	50	0.73	Diesel
Fire Pump	2	4	48	50	0.73	Diesel

Boilers

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

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

Equipment Type	ROG	NOx	CO	SO2	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					
Emergency Generator - Diesel	3.9400e-003	0.0128	0.0143	2.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Fire Pump - Diesel (50 - 75 HP)	3.9400e-003	0.0128	0.0143	2.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Total	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.2000e-004	0.0000	3.6685

Giovannoni Logistics Phase 2 COLD Op - Napa County, Annual
EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied
Giovannoni Logistics Phase 2 COLD Op
Napa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-Rail	1,329.10	1000sqft	30.51	1,329,096.00	0
Parking Lot	1,067.00	Space	42.69	1,859,789.00	0
City Park	17.29	Acre	17.29	753,152.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW/hr)	203.98	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 - CalEEMod Note 2
- Construction Phase - CalEEMod Note 7
- Off-road Equipment - CalEEMod Note 7
- Trips and VMT -
- Grading -
- Vehicle Trips - CalEEMod Note 9
- Consumer Products -
- Energy Use -
- Construction Off-road Equipment Mitigation -
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 11

Giovannoni Logistics Phase 2 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tbConstructionPhase	NumDays	60.00	0.00
tbIFleetMix	HHD	0.01	0.00
tbIFleetMix	LDA	0.53	0.59
tbIFleetMix	LDT1	0.06	0.06
tbIFleetMix	LDT2	0.18	0.20
tbIFleetMix	LHD1	0.03	0.00
tbIFleetMix	LHD2	8.1680e-003	0.00
tbIFleetMix	MCY	0.03	0.00
tbIFleetMix	MDV	0.14	0.15
tbIFleetMix	MH	4.3360e-003	0.00
tbIFleetMix	MHD	0.01	0.00
tbIFleetMix	OBUS	1.7510e-003	0.00
tbIFleetMix	SBUS	1.9630e-003	0.00
tbIFleetMix	UBUS	6.3500e-004	0.00
tbLandUse	LandUseSquareFeet	1,329,100.00	1,329,096.00
tbLandUse	LandUseSquareFeet	426,800.00	1,859,789.00
tbLandUse	LotAcreage	9.60	42.69
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tbStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tbStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tbStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tbStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tbStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tbStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tbStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tbStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tbStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tbStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tbStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tbStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tbVehicleTrips	CNW_TL	7.30	8.12
tbVehicleTrips	CW_TL	9.50	8.12
tbVehicleTrips	DV_TP	5.00	0.00
tbVehicleTrips	PB_TP	3.00	0.00
tbVehicleTrips	PR_TP	92.00	100.00
tbVehicleTrips	ST_TR	1.96	0.00
tbVehicleTrips	ST_TR	2.12	1.18
tbVehicleTrips	SU_TR	2.19	0.00
tbVehicleTrips	SU_TR	2.12	1.18
tbVehicleTrips	WD_TR	0.78	0.00
tbVehicleTrips	WD_TR	2.12	1.18

Giovannoni Logistics Phase 2 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

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					
Area	8.0520	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Energy	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	1,524.8521	1,524.8521	0.2085	0.0296	1,538.8723
Mobile	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7204	1,356.7204	0.0521	0.0455	1,371.5766
Stationary	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Waste						0.0000	0.0000		0.0000	0.0000	253.9092	0.0000	253.9092	15.0056	0.0000	629.0493
Water						0.0000	0.0000		0.0000	0.0000	97.5094	160.5470	258.0563	10.0411	0.2396	580.4934
Total	6.5264	0.7310	5.7180	0.0163	1.6937	0.0284	1.7220	0.4503	0.0277	0.4780	351.4186	3,043.9904	3,395.4090	25.3077	0.3147	4,121.8717

Mitigated Operational

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					
Area	8.0520	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Energy	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	1,524.8521	1,524.8521	0.2085	0.0296	1,538.8723
Mobile	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7204	1,356.7204	0.0521	0.0455	1,371.5766
Stationary	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Waste						0.0000	0.0000		0.0000	0.0000	253.9092	0.0000	253.9092	15.0056	0.0000	629.0493
Water						0.0000	0.0000		0.0000	0.0000	97.5094	160.5470	258.0563	10.0411	0.2396	580.4934
Total	6.5264	0.7310	5.7180	0.0163	1.6937	0.0284	1.7220	0.4503	0.0277	0.4780	351.4186	3,043.9904	3,395.4090	25.3077	0.3147	4,121.8717

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

Giovannoni Logistics Phase 2 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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					
Mitigated	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7204	1,356.7204	0.0521	0.0455	1,371.5766
Unmitigated	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7204	1,356.7204	0.0521	0.0455	1,371.5766

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-Rail	1,568.34	1,568.34	1,568.34	4,635,505	4,635,505
Total	1,568.34	1,568.34	1,568.34	4,635,505	4,635,505

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.527728	0.057239	0.176957	0.136995	0.033875	0.008168	0.012713	0.010801	0.001751	0.000635	0.026841	0.001963	0.004336
Parking Lot	0.527728	0.057239	0.176957	0.136995	0.033875	0.008168	0.012713	0.010801	0.001751	0.000635	0.026841	0.001963	0.004336
Refrigerated Warehouse-Rail	0.587070	0.063675	0.196855	0.152400	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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000	0.0000	0.0000	0.0000	1,256.7532	1,256.7532	0.2033	0.0246	1,269.1802
Electricity Unmitigated							0.0000	0.0000	0.0000	0.0000	0.0000	1,256.7532	1,256.7532	0.2033	0.0246	1,269.1802
NaturalGas Mitigated	0.0271	0.2463	0.2069	1.4800e-003	0.0187	0.0187	0.0187	0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920	
NaturalGas Unmitigated	0.0271	0.2463	0.2069	1.4800e-003	0.0187	0.0187	0.0187	0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920	

Giovannoni Logistics Phase 2 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	tons/yr										MT/yr						
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	5.02398e+006	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920	
Total		0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920	

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-Rail	5.02398e+006	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920
Total		0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920

Giovannoni Logistics Phase 2 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	650926	60.2261	9.7400e-003	1.1800e-003	60.8217
Refrigerated Warehouse-Rail	1.29321e+007	1,196.5270	0.1936	0.0235	1,208.3586
Total		1,256.7532	0.2033	0.0246	1,269.1802

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	650926	60.2261	9.7400e-003	1.1800e-003	60.8217
Refrigerated Warehouse-Rail	1.29321e+007	1,196.5270	0.1936	0.0235	1,208.3586
Total		1,256.7532	0.2033	0.0246	1,269.1802

6.0 Area Detail

6.1 Mitigation Measures Area

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					
Mitigated	8.0520	2.0000e-004	0.0222	0.0000	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Unmitigated	8.0520	2.0000e-004	0.0222	0.0000	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

Giovannoni Logistics Phase 2 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.7318					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460	
Total	6.0520	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460	

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.7318					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460	
Total	6.0520	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460	

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	258.0563	10.0411	0.2396	580.4934
Unmitigated	258.0563	10.0411	0.2396	580.4934

Giovannoni Logistics Phase 2 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 20.6007	6.6712	1.0800e-003	1.3000e-004	6.7372
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	307.354 / 0	251.3851	10.0400	0.2395	573.7562
Total	258.0563	10.0411	0.2396	680.4934	

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 20.6007	6.6712	1.0800e-003	1.3000e-004	6.7372
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	307.354 / 0	251.3851	10.0400	0.2395	573.7562
Total	258.0563	10.0411	0.2396	580.4934	

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	253.9092	15.0056	0.0000	629.0493
Unmitigated	253.9092	15.0056	0.0000	629.0493

Giovannoni Logistics Phase 2 COLD Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
City Park	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	1249.35	253.6068	14.9877	0.0000	628.3000
Total		253.9092	15.0056	0.0000	629.0493

Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
City Park	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	1249.35	253.6068	14.9877	0.0000	628.3000
Total		253.9092	15.0056	0.0000	629.0493

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	4	48	50	0.73	Diesel
Fire Pump	1	4	48	50	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

Equipment Type	ROG	NOx	CO	SO2	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					
Emergency Generator - Diesel (60 - 75 HP)	1.9700e-003	6.4200e-003	7.1500e-003	1.0000e-005	2.9000e-004	2.9000e-004	2.9000e-004	2.9000e-004	2.9000e-004	2.9000e-004	0.0000	0.9139	0.9139	1.3000e-004	0.0000	0.9171
Fire Pump - Diesel (50 - 75 HP)	1.9700e-003	6.4200e-003	7.1500e-003	1.0000e-005	5.8000e-004	5.8000e-004	5.8000e-004	5.8000e-004	5.8000e-004	5.8000e-004	0.0000	0.9139	0.9139	1.3000e-004	0.0000	0.9171
Total	3.9400e-003	0.0128	0.0143	2.0000e-005	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342

Giovannoni Logistics Phase 2 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Giovannoni Logistics Phase 2 DRY Op
Napa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,329.10	1000sqft	30.51	1,329,096.00	0
Parking Lot	1,067.00	Space	42.69	1,859,789.00	0
City Park	17.29	Acre	17.29	753,152.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2023

Utility Company Pacific Gas and Electric Company

CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004
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1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - CalEEMod Note 2
- Construction Phase - CalEEMod Note 7
- Off-road Equipment - CalEEMod Note 7
- Trips and VMT -
- Grading -
- Vehicle Trips - CalEEMod Note 9
- Consumer Products -
- Energy Use -
- Construction Off-road Equipment Mitigation -
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 11

Giovannoni Logistics Phase 2 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tbConstructionPhase	NumDays	60.00	0.00
tbConstructionPhase	PhaseEndDate	1/18/2023	10/26/2022
tbFleetMix	HHD	0.01	0.00
tbFleetMix	LDA	0.53	0.59
tbFleetMix	LDT1	0.06	0.06
tbFleetMix	LDT2	0.18	0.20
tbFleetMix	LHD1	0.03	0.00
tbFleetMix	LHD2	6.1680e-003	0.00
tbFleetMix	MCY	0.03	0.00
tbFleetMix	MDV	0.14	0.15
tbFleetMix	MH	4.3360e-003	0.00
tbFleetMix	MHD	0.01	0.00
tbFleetMix	OBUS	1.7510e-003	0.00
tbFleetMix	SBUS	1.9630e-003	0.00
tbFleetMix	UBUS	6.3500e-004	0.00
tbLandUse	LandUseSquareFeet	1,329,100.00	1,329,096.00
tbLandUse	LandUseSquareFeet	426,800.00	1,859,789.00
tbLandUse	LotAcresage	9.60	42.69
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tbStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tbStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tbStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tbStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tbStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tbStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tbStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tbStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tbVehicleTrips	CNW_TL	7.30	8.12
tbVehicleTrips	CW_TL	9.50	8.12
tbVehicleTrips	DV_TP	5.00	0.00
tbVehicleTrips	PB_TP	3.00	0.00
tbVehicleTrips	PR_TP	92.00	100.00
tbVehicleTrips	ST_IR	1.96	0.00
tbVehicleTrips	ST_TR	1.74	1.18
tbVehicleTrips	SU_TR	2.19	0.00
tbVehicleTrips	SU_TR	1.74	1.18
tbVehicleTrips	WD_TR	0.78	0.00
tbVehicleTrips	WD_TR	1.74	1.18

Giovannoni Logistics Phase 2 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

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					
Area	6.0520	2.0000e-004	0.0222	0.0000	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Energy	0.0247	0.2241	0.1883	1.3400e-003	0.0170	0.0170	0.0170	0.0170	0.0170	0.0170	0.0000	734.6157	734.6157	0.0841	0.0141	740.9171
Mobile	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7164	1,356.7164	0.0521	0.0455	1,371.5725
Stationary	3.9400e-003	0.0128	0.0143	2.0000e-005	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Waste					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	253.9092	0.0000	253.9092	15.0056	0.0000	629.0493
Water					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	97.5094	160.5470	258.0563	10.0411	0.2396	580.4934
Total	6.5239	0.7089	5.6993	0.0162	1.6937	0.0267	1.7203	0.4503	0.0260	0.4763	351.4166	2,253.7500	2,605.1686	25.1833	0.2992	3,323.9124

Mitigated Operational

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					
Area	6.0520	2.0000e-004	0.0222	0.0000	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Energy	0.0247	0.2241	0.1883	1.3400e-003	0.0170	0.0170	0.0170	0.0170	0.0170	0.0170	0.0000	734.6157	734.6157	0.0841	0.0141	740.9171
Mobile	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7164	1,356.7164	0.0521	0.0455	1,371.5725
Stationary	3.9400e-003	0.0128	0.0143	2.0000e-005	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Waste					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	253.9092	0.0000	253.9092	15.0056	0.0000	629.0493
Water					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	97.5094	160.5470	258.0563	10.0411	0.2396	580.4934
Total	6.5239	0.7089	5.6993	0.0162	1.6937	0.0267	1.7203	0.4503	0.0260	0.4763	351.4166	2,253.7500	2,605.1686	25.1833	0.2992	3,323.9124

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

Giovannoni Logistics Phase 2 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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										M/yr					
Mitigated	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7164	1,356.7164	0.0521	0.0455	1,371.5725
Unmitigated	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7164	1,356.7164	0.0521	0.0455	1,371.5725

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,568.33	1,568.33	1,568.33	4,635,491	4,635,491
Total	1,568.33	1,568.33	1,568.33	4,635,491	4,635,491

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LD11	LD12	MDV	LHD1	LHD2	MHD	HHO	OBUS	UBUS	MCY	SBUS	MH
City Park	0.527728	0.057239	0.176957	0.136995	0.033875	0.008168	0.012713	0.010801	0.001751	0.000635	0.026841	0.001963	0.004336
Parking Lot	0.527728	0.057239	0.176957	0.136995	0.033875	0.008168	0.012713	0.010801	0.001751	0.000635	0.026841	0.001963	0.004336
Unrefrigerated Warehouse-No Rail	0.587070	0.063675	0.196855	0.152400	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Giovannoni Logistics Phase 2 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated					0.0000	0.0000		0.0000	0.0000		0.0000	490.6316	490.6316	0.0794	9.6200e-003	495.4830
Electricity Unmitigated					0.0000	0.0000		0.0000	0.0000		0.0000	490.6316	490.6316	0.0794	9.6200e-003	495.4830
NaturalGas Mitigated	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340
NaturalGas Unmitigated	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Unrefrigigated Warehouse-No Rail	4.57209e+006	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340
Total		0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340

Mitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Unrefrigigated Warehouse-No Rail	4.57209e+006	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340
Total		0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340

Giovannoni Logistics Phase 2 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	650926	60.2281	9.7400e-003	1.1800e-003	60.8217
Unrefrigerated Warehouse-No Rail	4.65184e+006	430.4054	0.0696	8.4400e-003	434.6614
Total		490.6316	0.0794	9.6200e-003	495.4830

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	650926	60.2281	9.7400e-003	1.1800e-003	60.8217
Unrefrigerated Warehouse-No Rail	4.65184e+006	430.4054	0.0696	8.4400e-003	434.6614
Total		490.6316	0.0794	9.6200e-003	495.4830

6.0 Area Detail

6.1 Mitigation Measures Area

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					
Mitigated	6.0520	2.0000e-004	0.0222	0.0000	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Unmitigated	6.0520	2.0000e-004	0.0222	0.0000	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

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											MT/yr					
Architectural Coating	0.7318				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3181				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0222	0.0000	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Total	6.0520	2.0000e-004	0.0222	0.0000	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

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
tons/yr											MT/yr					
Architectural Coating	0.7318				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3181				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0222	0.0000	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Total	6.0520	2.0000e-004	0.0222	0.0000	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

Giovannoni Logistics Phase 2 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	258.0563	10.0411	0.2396	580.4934
Unmitigated	258.0563	10.0411	0.2396	580.4934

7.2 Water by Land Use

Unmitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 20.6007	6.6712	1.0800e-003	1.3000e-004	6.7372
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	307.354 / 0	251.3851	10.0400	0.2395	573.7562
Total		258.0563	10.0411	0.2396	580.4934

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 20.6007	6.6712	1.0800e-003	1.3000e-004	6.7372
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	307.354 / 0	251.3851	10.0400	0.2395	573.7562
Total		258.0563	10.0411	0.2396	580.4934

Giovannoni Logistics Phase 2 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	M/yr			
Mitigated	253.9092	15.0056	0.0000	629.0493
Unmitigated	253.9092	15.0056	0.0000	629.0493

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	M/yr			
City Park	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1249.35	253.6068	14.9877	0.0000	628.3000
Total		253.9092	15.0056	0.0000	629.0493

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	M/yr			
City Park	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1249.35	253.6068	14.9877	0.0000	628.3000
Total		253.9092	15.0056	0.0000	629.0493

Giovannoni Logistics Phase 2 DRY Op - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	4	48	50	0.73	Diesel
Fire Pump	1	4	48	50	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

Equipment Type	COG	NOx	CO	SO2	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					
Emergency Generator - Diesel (60-75 HP)	1.9700e-003	6.4200e-003	7.1500e-003	1.0000e-005	2.9000e-004	2.9000e-004	2.9000e-004	2.9000e-004	2.9000e-004	2.9000e-004	0.0000	0.9139	0.9139	1.3000e-004	0.0000	0.9171
Fire Pump - Diesel (50-75 HP)	1.9700e-003	6.4200e-003	7.1500e-003	1.0000e-005	5.8000e-004	5.8000e-004	5.8000e-004	5.8000e-004	5.8000e-004	5.8000e-004	0.0000	0.9139	0.9139	1.3000e-004	0.0000	0.9171
Total	3.9400e-003	0.0128	0.0143	2.0000e-005	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Giovannoni Logistics Phase 2 Con - AIR-2a
Napa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-Rail	1,329.10	1000sqft	30.51	1,329,096.00	0
Parking Lot	1,067.00	Space	42.69	1,859,789.00	0
City Park	17.29	Acre	17.29	753,152.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	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 - CalEEMod Note 2
- Construction Phase - CalEEMod Note 3
- Off-road Equipment - CalEEMod Note 4
- Trips and VMT - CalEEMod Note 6
- Grading -
- Vehicle Trips - CalEEMod Note 7
- Consumer Products - CalEEMod Note 7
- Energy Use - CalEEMod Note 7
- Water And Wastewater - CalEEMod Note 7
- Solid Waste - CalEEMod Note 7
- Construction Off-road Equipment Mitigation - CalEEMod Note 8
- Fleet Mix - CalEEMod Note 9

Table Name	Column Name	Default Value	New Value
tbiConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tbiConstructionPhase	NumDays	60.00	6.00
tbiConstructionPhase	NumDays	155.00	17.00
tbiConstructionPhase	NumDays	1,550.00	167.00
tbiConstructionPhase	NumDays	110.00	12.00
tbiConstructionPhase	NumDays	110.00	12.00
tbiConsumerProducts	ROG_EF	2.14E-05	0
tbiConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tbiConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tbiEnergyUse	LightingElect	0.35	0.00
tbiEnergyUse	LightingElect	1.62	0.00
tbiEnergyUse	NT24E	7.99	0.00
tbiEnergyUse	NT24NG	3.06	0.00
tbiEnergyUse	T24E	0.12	0.00

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblEnergyUse	T24NG	0.72	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	LDA	0.53	0.59
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	8.1680e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.15
tblFleetMix	MH	4.3360e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.7510e-003	0.00
tblFleetMix	SBUS	1.9630e-003	0.00
tblFleetMix	UBUS	6.3500e-004	0.00
tblLandUse	LandUseSquareFeet	1,329,100.00	1,329,096.00
tblLandUse	LandUseSquareFeet	426,800.00	1,859,789.00
tblLandUse	LotAcreage	9.60	42.69
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblSolidWaste	SolidWasteGenerationRate	1.49	0.00
tblSolidWaste	SolidWasteGenerationRate	1,249.35	0.00
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	307,354,375.00	0.00
tblWater	OutdoorWaterUseRate	20,600,712.54	0.00

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1289	1.0507	1.0442	3.6100e-003	0.2483	0.0306	0.2790	0.0775	0.0286	0.1061	0.0000	336.0667	336.0667	0.0305	0.0277	345.0881
2023	7.8611	3.4974	4.3500	0.0177	1.0189	0.0696	1.0885	0.2781	0.0656	0.3437	0.0000	1,664.4502	1,664.4502	0.0847	0.1569	1,713.3202
Maximum	7.8611	3.4974	4.3500	0.0177	1.0189	0.0696	1.0885	0.2781	0.0656	0.3437	0.0000	1,664.4502	1,664.4502	0.0847	0.1569	1,713.3202

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1289	1.0507	1.0442	3.6100e-003	0.2053	0.0306	0.2359	0.0604	0.0286	0.0890	0.0000	336.0666	336.0666	0.0305	0.0277	345.0880
2023	7.8611	3.4974	4.3500	0.0177	1.0189	0.0696	1.0885	0.2781	0.0656	0.3437	0.0000	1,664.4500	1,664.4500	0.0847	0.1569	1,713.3199
Maximum	7.8611	3.4974	4.3500	0.0177	1.0189	0.0696	1.0885	0.2781	0.0656	0.3437	0.0000	1,664.4500	1,664.4500	0.0847	0.1569	1,713.3199

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	3.39	0.00	3.15	4.80	0.00	3.80	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-27-2022	1-26-2023	1.7159	1.7159
2	1-27-2023	4-26-2023	1.7699	1.7699
3	4-27-2023	7-26-2023	1.6544	1.6544
4	7-27-2023	9-30-2023	7.9261	7.9261
		Highest	7.9261	7.9261

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	10/27/2022	11/3/2022	5	6	
2	Grading	Grading	11/4/2022	11/28/2022	5	17	
3	Building Construction	Building Construction	11/29/2022	7/19/2023	5	167	
4	Paving	Paving	7/20/2023	8/4/2023	5	12	
5	Architectural Coating	Architectural Coating	8/5/2023	8/22/2023	5	12	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 51

Acres of Paving: 42.69

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,993,646; Non-Residential Outdoor: 664,549; Striped Parking Area: 111,587

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	4	10.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,656.00	646.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	331.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9800e-003	0.0201	0.0269	4.0000e-005		1.0800e-003	1.0800e-003		9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059
Total	1.9800e-003	0.0201	0.0269	4.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461
Total	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9800e-003	0.0201	0.0269	4.0000e-005		1.0800e-003	1.0800e-003		9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059
Total	1.9800e-003	0.0201	0.0269	4.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461
Total	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0782	0.0000	0.0782	0.0311	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0308	0.3302	0.2469	5.3000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292
Total	0.0308	0.3302	0.2469	5.3000e-004	0.0782	0.0139	0.0921	0.0311	0.0128	0.0438	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.3000e-004	3.7300e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8181	0.8181	4.0000e-005	3.0000e-005	0.8277
Total	4.8000e-004	3.3000e-004	3.7300e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8181	0.8181	4.0000e-005	3.0000e-005	0.8277

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0352	0.0000	0.0352	0.0140	0.0000	0.0140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0308	0.3302	0.2469	5.3000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292
Total	0.0308	0.3302	0.2469	5.3000e-004	0.0352	0.0139	0.0491	0.0140	0.0128	0.0268	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	3.3000e-004	3.7300e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8181	0.8181	4.0000e-005	3.0000e-005	0.8277
Total	4.8000e-004	3.3000e-004	3.7300e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8181	0.8181	4.0000e-005	3.0000e-005	0.8277

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0205	0.1874	0.1964	3.2000e-004		9.7100e-003	9.7100e-003		9.1300e-003	9.1300e-003	0.0000	27.8070	27.8070	6.6600e-003	0.0000	27.9736
Total	0.0205	0.1874	0.1964	3.2000e-004		9.7100e-003	9.7100e-003		9.1300e-003	9.1300e-003	0.0000	27.8070	27.8070	6.6600e-003	0.0000	27.9736

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0194	0.4738	0.1342	1.6700e-003	0.0508	5.2500e-003	0.0561	0.0147	5.0200e-003	0.0197	0.0000	162.0351	162.0351	3.6000e-003	0.0243	169.3545
Worker	0.0556	0.0389	0.4355	1.0400e-003	0.1181	6.8000e-004	0.1188	0.0314	6.3000e-004	0.0321	0.0000	95.6284	95.6284	4.1500e-003	3.4200e-003	96.7513
Total	0.0750	0.5127	0.5697	2.7100e-003	0.1689	5.9300e-003	0.1749	0.0461	5.6500e-003	0.0518	0.0000	257.6634	257.6634	7.7500e-003	0.0277	266.1057

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0205	0.1874	0.1964	3.2000e-004		9.7100e-003	9.7100e-003		9.1300e-003	9.1300e-003	0.0000	27.8070	27.8070	6.6600e-003	0.0000	27.9735
Total	0.0205	0.1874	0.1964	3.2000e-004		9.7100e-003	9.7100e-003		9.1300e-003	9.1300e-003	0.0000	27.8070	27.8070	6.6600e-003	0.0000	27.9735

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0194	0.4738	0.1342	1.6700e-003	0.0508	5.2500e-003	0.0561	0.0147	5.0200e-003	0.0197	0.0000	162.0351	162.0351	3.6000e-003	0.0243	169.3545
Worker	0.0556	0.0389	0.4355	1.0400e-003	0.1181	6.8000e-004	0.1188	0.0314	6.3000e-004	0.0321	0.0000	95.6284	95.6284	4.1500e-003	3.4200e-003	96.7513
Total	0.0750	0.5127	0.5697	2.7100e-003	0.1689	5.9300e-003	0.1749	0.0461	5.6500e-003	0.0518	0.0000	257.6634	257.6634	7.7500e-003	0.0277	266.1057

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1125	1.0285	1.1615	1.9300e-003		0.0500	0.0500		0.0471	0.0471	0.0000	165.7404	165.7404	0.0394	0.0000	166.7261
Total	0.1125	1.0285	1.1615	1.9300e-003		0.0500	0.0500		0.0471	0.0471	0.0000	165.7404	165.7404	0.0394	0.0000	166.7261

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0545	2.1912	0.6552	9.5200e-003	0.3028	0.0122	0.3150	0.0876	0.0117	0.0993	0.0000	923.2896	923.2896	0.0185	0.1377	964.7847
Worker	0.3072	0.2051	2.3930	6.0200e-003	0.7037	3.8200e-003	0.7075	0.1873	3.5200e-003	0.1908	0.0000	552.1905	552.1905	0.0224	0.0189	558.3718
Total	0.3617	2.3963	3.0482	0.0155	1.0065	0.0161	1.0226	0.2748	0.0152	0.2900	0.0000	1,475.4801	1,475.4801	0.0409	0.1566	1,523.1565

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1125	1.0285	1.1614	1.9300e-003		0.0500	0.0500		0.0471	0.0471	0.0000	165.7402	165.7402	0.0394	0.0000	166.7259
Total	0.1125	1.0285	1.1614	1.9300e-003		0.0500	0.0500		0.0471	0.0471	0.0000	165.7402	165.7402	0.0394	0.0000	166.7259

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0545	2.1912	0.6552	9.5200e-003	0.3028	0.0122	0.3150	0.0876	0.0117	0.0993	0.0000	923.2896	923.2896	0.0185	0.1377	964.7847
Worker	0.3072	0.2051	2.3930	6.0200e-003	0.7037	3.8200e-003	0.7075	0.1873	3.5200e-003	0.1908	0.0000	552.1905	552.1905	0.0224	0.0189	558.3718
Total	0.3617	2.3963	3.0482	0.0155	1.0065	0.0161	1.0226	0.2748	0.0152	0.2900	0.0000	1,475.4801	1,475.4801	0.0409	0.1566	1,523.1565

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.2000e-003	0.0612	0.0875	1.4000e-004		3.0600e-003	3.0600e-003	2.8200e-003	2.8200e-003	0.0000	12.0161	12.0161	3.8900e-003	0.0000	0.0000	12.1133
Paving	0.0559					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0621	0.0612	0.0875	1.4000e-004		3.0600e-003	3.0600e-003	2.8200e-003	2.8200e-003	0.0000	12.0161	12.0161	3.8900e-003	0.0000	0.0000	12.1133

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	1.8200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4197	0.4197	2.0000e-005	1.0000e-005	0.4244
Total	2.3000e-004	1.6000e-004	1.8200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4197	0.4197	2.0000e-005	1.0000e-005	0.4244

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.2000e-003	0.0612	0.0875	1.4000e-004		3.0600e-003	3.0600e-003		2.8200e-003	2.8200e-003	0.0000	12.0161	12.0161	3.8900e-003	0.0000	12.1133
Paving	0.0559					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0621	0.0612	0.0875	1.4000e-004		3.0600e-003	3.0600e-003		2.8200e-003	2.8200e-003	0.0000	12.0161	12.0161	3.8900e-003	0.0000	12.1133

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	1.8200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4197	0.4197	2.0000e-005	1.0000e-005	0.4244
Total	2.3000e-004	1.6000e-004	1.8200e-003	0.0000	5.3000e-004	0.0000	5.4000e-004	1.4000e-004	0.0000	1.5000e-004	0.0000	0.4197	0.4197	2.0000e-005	1.0000e-005	0.4244

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.3183					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1500e-003	7.8200e-003	0.0109	2.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5342
Total	7.3195	7.8200e-003	0.0109	2.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5342

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1500e-003	3.4400e-003	0.0401	1.0000e-004	0.0118	6.0000e-005	0.0119	3.1400e-003	6.0000e-005	3.2000e-003	0.0000	9.2619	9.2619	3.8000e-004	3.2000e-004	9.3656
Total	5.1500e-003	3.4400e-003	0.0401	1.0000e-004	0.0118	6.0000e-005	0.0119	3.1400e-003	6.0000e-005	3.2000e-003	0.0000	9.2619	9.2619	3.8000e-004	3.2000e-004	9.3656

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.3183					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1500e-003	7.8200e-003	0.0109	2.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5342
Total	7.3195	7.8200e-003	0.0109	2.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	1.5320	1.5320	9.0000e-005	0.0000	1.5342

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1500e-003	3.4400e-003	0.0401	1.0000e-004	0.0118	6.0000e-005	0.0119	3.1400e-003	6.0000e-005	3.2000e-003	0.0000	9.2619	9.2619	3.8000e-004	3.2000e-004	9.3656
Total	5.1500e-003	3.4400e-003	0.0401	1.0000e-004	0.0118	6.0000e-005	0.0119	3.1400e-003	6.0000e-005	3.2000e-003	0.0000	9.2619	9.2619	3.8000e-004	3.2000e-004	9.3656

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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					
Mitigated	0.7339	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Unmitigated	0.7339	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7318					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Total	0.7339	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7318					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Total	0.7339	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Giovannoni Logistics Phase 2 Con - AIR-2a - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		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
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Giovannoni Logistics Phase 1 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Giovannoni Logistics Phase 1 COLD Op - AIR-2c
Napa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	469.52	1000sqft	10.78	469,520.00	0
Refrigerated Warehouse-Rail	601.38	1000sqft	13.81	601,380.00	0
Parking Lot	860.00	Space	34.40	1,498,504.00	0
City Park	8.76	Acre	8.76	381,585.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	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 - CalEEMod Note 2
- Construction Phase - CalEEMod Note 7
- Off-road Equipment - CalEEMod Note 7
- Trips and VMT -
- Grading -
- Architectural Coating -
- Vehicle Trips - CalEEMod Note 9
- Consumer Products -
- Energy Use -
- Water And Wastewater - CalEEMod Note 10
- Construction Off-road Equipment Mitigation -
- Area Mitigation - CalEEMod Note 8
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 11
- Stationary Sources - Process Boilers -

Giovannoni Logistics Phase 1 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorVal	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValu	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblConstructionPhase	NumDays	40.00	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	LDA	0.52	0.58
tblFleetMix	LDA	0.52	0.58
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.3450e-003	0.00
tblFleetMix	LHD2	8.3450e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.16
tblFleetMix	MDV	0.14	0.16
tblFleetMix	MH	4.5230e-003	0.00
tblFleetMix	MH	4.5230e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.8150e-003	0.00
tblFleetMix	OBUS	1.8150e-003	0.00
tblFleetMix	SBUS	1.9730e-003	0.00
tblFleetMix	SBUS	1.9730e-003	0.00
tblFleetMix	UBUS	6.4000e-004	0.00
tblFleetMix	UBUS	6.4000e-004	0.00
tblLandUse	LandUseSquareFeet	344,000.00	1,498,504.00
tblLandUse	LotAcreage	7.74	34.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00

Giovannoni Logistics Phase 1 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	1.18
tblVehicleTrips	ST_TR	2.12	1.18
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	1.18
tblVehicleTrips	SU_TR	2.12	1.18
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	1.18
tblVehicleTrips	WD_TR	2.12	1.18
tblWater	IndoorWaterUseRate	108,576,500.00	2,565,220.00
tblWater	IndoorWaterUseRate	139,069,125.00	3,292,665.00
tblWater	OutdoorWaterUseRate	10,437,376.62	2,786,968.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369
Energy	0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	1,228.6278	1,228.6278	0.1680	0.0238	1,239.9244
Mobile	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3558	1,132.3558	0.0464	0.0396	1,145.3080
Stationary	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.1000e-004	0.0000	3.6685
Waste						0.0000	0.0000		0.0000	0.0000	204.4931	0.0000	204.4931	12.0852	0.0000	506.6230
Water						0.0000	0.0000		0.0000	0.0000	1.8584	3.8352	5.6937	0.1915	4.5800e-003	11.8467
Total	5.2947	0.6549	4.9923	0.0136	1.3646	0.0243	1.3889	0.3628	0.0237	0.3865	206.3515	2,368.5092	2,574.8607	12.4916	0.0680	2,907.4075

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.5422	9.0000e-005	0.0104	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0197
Energy	0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	1,228.6278	1,228.6278	0.1680	0.0238	1,239.9244
Mobile	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3558	1,132.3558	0.0464	0.0396	1,145.3080
Stationary	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.1000e-004	0.0000	3.6685
Waste						0.0000	0.0000		0.0000	0.0000	204.4931	0.0000	204.4931	12.0852	0.0000	506.6230
Water						0.0000	0.0000		0.0000	0.0000	1.8584	3.8352	5.6937	0.1915	4.5800e-003	11.8467
Total	4.9627	0.6549	4.9848	0.0136	1.3646	0.0242	1.3889	0.3628	0.0237	0.3865	206.3515	2,368.4932	2,574.8447	12.4916	0.0680	2,907.3902

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.27	0.01	0.15	0.00	0.00	0.12	0.00	0.00	0.13	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Giovannoni Logistics Phase 1 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3558	1,132.3558	0.0464	0.0396	1,145.3080
Unmitigated	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3558	1,132.3558	0.0464	0.0396	1,145.3080

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	554.03	554.03	554.03	1,637,546	1,637,546
Refrigerated Warehouse-Rail	709.63	709.63	709.63	2,097,434	2,097,434
Total	1,263.66	1,263.66	1,263.66	3,734,981	3,734,981

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0
Refrigerated Warehouse-Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.519131	0.057850	0.178660	0.140619	0.035215	0.008345	0.013447	0.010718	0.001815	0.000640	0.027064	0.001973	0.004523
Parking Lot	0.519131	0.057850	0.178660	0.140619	0.035215	0.008345	0.013447	0.010718	0.001815	0.000640	0.027064	0.001973	0.004523
Refrigerated Warehouse-No Rail	0.579219	0.064546	0.199339	0.156895	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Refrigerated Warehouse-Rail	0.579219	0.064546	0.199339	0.156895	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Giovannoni Logistics Phase 1 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	1,012.6110	1,012.6110	0.1638	0.0199	1,022.6239
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	1,012.6110	1,012.6110	0.1638	0.0199	1,022.6239
NaturalGas Mitigated	0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.0168	216.0168	4.1400e-003	3.9600e-003	217.3005
NaturalGas Unmitigated	0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.0168	216.0168	4.1400e-003	3.9600e-003	217.3005

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-No Rail	1.77479e+006	9.5700e-003	0.0870	0.0731	5.2000e-004		6.6100e-003	6.6100e-003		6.6100e-003	6.6100e-003	0.0000	94.7093	94.7093	1.8200e-003	1.7400e-003	95.2721
Refrigerated Warehouse-Rail	2.27322e+006	0.0123	0.1114	0.0936	6.7000e-004		8.4700e-003	8.4700e-003		8.4700e-003	8.4700e-003	0.0000	121.3075	121.3075	2.3300e-003	2.2200e-003	122.0284
Total		0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.0168	216.0168	4.1500e-003	3.9600e-003	217.3005

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-No Rail	1.77479e+006	9.5700e-003	0.0870	0.0731	5.2000e-004		6.6100e-003	6.6100e-003		6.6100e-003	6.6100e-003	0.0000	94.7093	94.7093	1.8200e-003	1.7400e-003	95.2721
Refrigerated Warehouse-Rail	2.27322e+006	0.0123	0.1114	0.0936	6.7000e-004		8.4700e-003	8.4700e-003		8.4700e-003	8.4700e-003	0.0000	121.3075	121.3075	2.3300e-003	2.2200e-003	122.0284
Total		0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.0168	216.0168	4.1500e-003	3.9600e-003	217.3005

Giovannoni Logistics Phase 1 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	524476	48.5265	7.8500e-003	9.5000e-004	49.0064
Refrigerated Warehouse-No Rail	4.56843e+006	422.6883	0.0684	8.2900e-003	426.8680
Refrigerated Warehouse-Rail	5.85143e+006	541.3961	0.0876	0.0106	546.7496
Total		1,012.6110	0.1638	0.0199	1,022.6239

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	524476	48.5265	7.8500e-003	9.5000e-004	49.0064
Refrigerated Warehouse-No Rail	4.56843e+006	422.6883	0.0684	8.2900e-003	426.8680
Refrigerated Warehouse-Rail	5.85143e+006	541.3961	0.0876	0.0106	546.7496
Total		1,012.6110	0.1638	0.0199	1,022.6239

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

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					
Mitigated	4.5422	9.0000e-005	0.0104	0.0000		3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0197
Unmitigated	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005	6.0000e-005	6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369

Giovannoni Logistics Phase 1 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5897					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	0.0000e-005	0.0000	0.0369
Total	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	0.0000e-005	0.0000	0.0369

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-004	9.0000e-005	0.0104	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0197
Total	4.5422	9.0000e-005	0.0104	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0197

Giovannoni Logistics Phase 1 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.6937	0.1915	4.5800e-003	11.8467
Unmitigated	5.6937	0.1915	4.5800e-003	11.8467

Giovannoni Logistics Phase 1 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.78697	0.9025	1.5000e-004	2.0000e-005	0.9114
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No	2.56522 / 0	2.0981	0.0838	2.0000e-003	4.7886
Refrigerated Warehouse-Rail	3.29267 / 0	2.6931	0.1076	2.5700e-003	6.1466
Total		5.6937	0.1915	4.5900e-003	11.8467

Mitigated

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.78697	0.9025	1.5000e-004	2.0000e-005	0.9114
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No	2.56522 / 0	2.0981	0.0838	2.0000e-003	4.7886
Refrigerated Warehouse-Rail	3.29267 / 0	2.6931	0.1076	2.5700e-003	6.1466
Total		5.6937	0.1915	4.5900e-003	11.8467

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	204.4931	12.0852	0.0000	506.6230
Unmitigated	204.4931	12.0852	0.0000	506.6230

Giovannoni Logistics Phase 1 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.75	0.1522	9.0000e-003	0.0000	0.3772
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	441.35	89.5901	5.2946	0.0000	221.9556
Refrigerated Warehouse-Rail	565.3	114.7508	6.7816	0.0000	284.2902
Total		204.4931	12.0852	0.0000	506.6230

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.75	0.1522	9.0000e-003	0.0000	0.3772
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	441.35	89.5901	5.2946	0.0000	221.9556
Refrigerated Warehouse-Rail	565.3	114.7508	6.7816	0.0000	284.2902
Total		204.4931	12.0852	0.0000	506.6230

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Giovannoni Logistics Phase 1 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	4	48	50	0.73	Diesel
Fire Pump	2	4	48	50	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (50 - 75 HP)	3.9400e-003	0.0128	0.0143	2.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Fire Pump - Diesel (50 - 75 HP)	3.9400e-003	0.0128	0.0143	2.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Total	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.2000e-004	0.0000	3.6685

Giovannoni Logistics Phase 1 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Giovannoni Logistics Phase 1 DRY Op - AIR-2c
Napa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	469.52	1000sqft	10.78	469,520.00	0
Unrefrigerated Warehouse-Rail	601.38	1000sqft	13.81	601,380.00	0
Parking Lot	860.00	Space	34.40	1,498,504.00	0
City Park	8.76	Acre	8.76	381,585.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	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 - CalEEMod Note 2
- Construction Phase - CalEEMod Note 7
- Off-road Equipment - CalEEMod Note 7
- Trips and VMT -
- Grading -
- Architectural Coating -
- Vehicle Trips - CalEEMod Note 9
- Consumer Products -
- Energy Use -
- Water And Wastewater - CalEEMod Note 10
- Construction Off-road Equipment Mitigation -
- Area Mitigation - CalEEMod Note 8
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 11
- Stationary Sources - Process Boilers -

Giovanoni Logistics Phase 1 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorVal	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValu	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblConstructionPhase	NumDays	40.00	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	LDA	0.52	0.58
tblFleetMix	LDA	0.52	0.58
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.3450e-003	0.00
tblFleetMix	LHD2	8.3450e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.16
tblFleetMix	MDV	0.14	0.16
tblFleetMix	MH	4.5230e-003	0.00
tblFleetMix	MH	4.5230e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.8150e-003	0.00
tblFleetMix	OBUS	1.8150e-003	0.00
tblFleetMix	SBUS	1.9730e-003	0.00
tblFleetMix	SBUS	1.9730e-003	0.00
tblFleetMix	UBUS	6.4000e-004	0.00
tblFleetMix	UBUS	6.4000e-004	0.00
tblLandUse	LandUseSquareFeet	344,000.00	1,498,504.00
tblLandUse	LotAcreage	7.74	34.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00

Giovannoni Logistics Phase 1 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.74	1.18
tblVehicleTrips	ST_TR	1.74	1.18
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.74	1.18
tblVehicleTrips	SU_TR	1.74	1.18
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	1.74	1.18
tblVehicleTrips	WD_TR	1.74	1.18
tblWater	IndoorWaterUseRate	108,576,500.00	2,565,220.00
tblWater	IndoorWaterUseRate	139,069,125.00	3,292,665.00
tblWater	OutdoorWaterUseRate	10,437,376.62	2,786,968.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369
Energy	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	591.9062	591.9062	0.0677	0.0114	596.9835
Mobile	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3545	1,132.3545	0.0464	0.0396	1,145.3067
Stationary	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.1000e-004	0.0000	3.6685
Waste						0.0000	0.0000		0.0000	0.0000	204.4931	0.0000	204.4931	12.0852	0.0000	506.6230
Water						0.0000	0.0000		0.0000	0.0000	1.8584	3.8352	5.6937	0.1915	4.5800e-003	11.8467
Total	5.2927	0.6371	4.9773	0.0135	1.3646	0.0229	1.3875	0.3628	0.0223	0.3851	206.3515	1,731.7863	1,938.1378	12.3914	0.0555	2,264.4652

Giovanoni Logistics Phase 1 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.5422	9.0000e-005	0.0104	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0197
Energy	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	591.9062	591.9062	0.0677	0.0114	596.9835
Mobile	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3545	1,132.3545	0.0464	0.0396	1,145.3067
Stationary	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.1000e-004	0.0000	3.6685
Waste						0.0000	0.0000		0.0000	0.0000	204.4931	0.0000	204.4931	12.0852	0.0000	506.6230
Water						0.0000	0.0000		0.0000	0.0000	1.8584	3.8352	5.6937	0.1915	4.5800e-003	11.8467
Total	4.9607	0.6370	4.9698	0.0135	1.3646	0.0229	1.3875	0.3628	0.0223	0.3851	206.3515	1,731.7703	1,938.1219	12.3913	0.0555	2,264.4480

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.27	0.01	0.15	0.00	0.00	0.13	0.00	0.00	0.13	0.01	0.00	0.00	0.00	0.00	0.00	0.00

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3545	1,132.3545	0.0464	0.0396	1,145.3067
Unmitigated	0.3908	0.4307	4.7792	0.0123	1.3646	7.3800e-003	1.3720	0.3628	6.8100e-003	0.3696	0.0000	1,132.3545	1,132.3545	0.0464	0.0396	1,145.3067

Giovannoni Logistics Phase 1 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	554.03	554.03	554.03	1,637,546	1,637,546
Unrefrigerated Warehouse-Rail	709.63	709.63	709.63	2,097,434	2,097,434
Total	1,263.66	1,263.66	1,263.66	3,734,981	3,734,981

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0
Unrefrigerated Warehouse-Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.519131	0.057850	0.178660	0.140619	0.035215	0.008345	0.013447	0.010718	0.001815	0.000640	0.027064	0.001973	0.004523
Parking Lot	0.519131	0.057850	0.178660	0.140619	0.035215	0.008345	0.013447	0.010718	0.001815	0.000640	0.027064	0.001973	0.004523
Unrefrigerated Warehouse-No Rail	0.579219	0.064546	0.199339	0.156895	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-Rail	0.579219	0.064546	0.199339	0.156895	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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	395.3195	395.3195	0.0640	7.7500e-003	399.2285
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	395.3195	395.3195	0.0640	7.7500e-003	399.2285
NaturalGas Mitigated	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.5867	196.5867	3.7700e-003	3.6000e-003	197.7549
NaturalGas Unmitigated	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.5867	196.5867	3.7700e-003	3.6000e-003	197.7549

Giovanoni Logistics Phase 1 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated Warehouse-No Rail	1.61515e+006	8.7100e-003	0.0792	0.0665	4.8000e-004		6.0200e-003	6.0200e-003		6.0200e-003	6.0200e-003	0.0000	86.1905	86.1905	1.6500e-003	1.5800e-003	86.7027
Unrefrigerated Warehouse-Rail	2.06875e+006	0.0112	0.1014	0.0852	6.1000e-004		7.7100e-003	7.7100e-003		7.7100e-003	7.7100e-003	0.0000	110.3962	110.3962	2.1200e-003	2.0200e-003	111.0523
Total		0.0199	0.1806	0.1517	1.0900e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.5867	196.5867	3.7700e-003	3.6000e-003	197.7549

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated Warehouse-No Rail	1.61515e+006	8.7100e-003	0.0792	0.0665	4.8000e-004		6.0200e-003	6.0200e-003		6.0200e-003	6.0200e-003	0.0000	86.1905	86.1905	1.6500e-003	1.5800e-003	86.7027
Unrefrigerated Warehouse-Rail	2.06875e+006	0.0112	0.1014	0.0852	6.1000e-004		7.7100e-003	7.7100e-003		7.7100e-003	7.7100e-003	0.0000	110.3962	110.3962	2.1200e-003	2.0200e-003	111.0523
Total		0.0199	0.1806	0.1517	1.0900e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.5867	196.5867	3.7700e-003	3.6000e-003	197.7549

Giovanoni Logistics Phase 1 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	524476	48.5265	7.8500e-003	9.5000e-004	49.0064
Unrefrigerated Warehouse-No Rail	1.64332e+006	152.0462	0.0246	2.9900e-003	153.5496
Unrefrigerated Warehouse-Rail	2.10483e+006	194.7468	0.0315	3.8200e-003	196.6725
Total		395.3195	0.0640	7.7500e-003	399.2285

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	524476	48.5265	7.8500e-003	9.5000e-004	49.0064
Unrefrigerated Warehouse-No Rail	1.64332e+006	152.0462	0.0246	2.9900e-003	153.5496
Unrefrigerated Warehouse-Rail	2.10483e+006	194.7468	0.0315	3.8200e-003	196.6725
Total		395.3195	0.0640	7.7500e-003	399.2285

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.5422	9.0000e-005	0.0104	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0197
Unmitigated	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369

Giovanoni Logistics Phase 1 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5897					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6600e-003	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	6.0000e-005	0.0000	0.0369
Total	4.8742	1.6000e-004	0.0179	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	6.0000e-005	0.0000	0.0369

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-004	9.0000e-005	0.0104	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0197
Total	4.5422	9.0000e-005	0.0104	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0197

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.6937	0.1915	4.5800e-003	11.8467
Unmitigated	5.6937	0.1915	4.5800e-003	11.8467

Giovannoni Logistics Phase 1 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 2.78697	0.9025	1.5000e-004	2.0000e-005	0.9114
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2.56522 / 0	2.0981	0.0838	2.0000e-003	4.7886
Unrefrigerated Warehouse-Rail	3.29267 / 0	2.6931	0.1076	2.5700e-003	6.1466
Total		5.6937	0.1915	4.5900e-003	11.8467

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 2.78697	0.9025	1.5000e-004	2.0000e-005	0.9114
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	2.56522 / 0	2.0981	0.0838	2.0000e-003	4.7886
Unrefrigerated Warehouse-Rail	3.29267 / 0	2.6931	0.1076	2.5700e-003	6.1466
Total		5.6937	0.1915	4.5900e-003	11.8467

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	204.4931	12.0852	0.0000	506.6230
Unmitigated	204.4931	12.0852	0.0000	506.6230

Giovannoni Logistics Phase 1 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.75	0.1522	9.0000e-003	0.0000	0.3772
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	441.35	89.5901	5.2946	0.0000	221.9556
Unrefrigerated Warehouse-Rail	565.3	114.7508	6.7816	0.0000	284.2902
Total		204.4931	12.0852	0.0000	506.6230

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.75	0.1522	9.0000e-003	0.0000	0.3772
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	441.35	89.5901	5.2946	0.0000	221.9556
Unrefrigerated Warehouse-Rail	565.3	114.7508	6.7816	0.0000	284.2902
Total		204.4931	12.0852	0.0000	506.6230

Giovannoni Logistics Phase 1 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	4	48	50	0.73	Diesel
Fire Pump	2	4	48	50	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

Equipment Type	ROG	NOx	CO	SO2	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					
Emergency Generator - Diesel (50 - 75 HP)	3.9400e-003	0.0128	0.0143	2.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Fire Pump - Diesel (50 - 75 HP)	3.9400e-003	0.0128	0.0143	2.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Total	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.2000e-004	0.0000	3.6685

Giovannoni Logistics Phase 2 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Giovannoni Logistics Phase 2 COLD Op - AIR-2c
Napa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-Rail	1,329.10	1000sqft	30.51	1,329,096.00	0
Parking Lot	1,067.00	Space	42.69	1,859,789.00	0
City Park	17.29	Acre	17.29	753,152.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	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 - CalEEMod Note 2
- Construction Phase - CalEEMod Note 7
- Off-road Equipment - CalEEMod Note 7
- Trips and VMT -
- Grading -
- Vehicle Trips - CalEEMod Note 9
- Consumer Products -
- Energy Use -
- Construction Off-road Equipment Mitigation -
- Area Mitigation - CalEEMod Note 8
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 11
- Stationary Sources - User Defined -

Giovannoni Logistics Phase 2 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblConstructionPhase	NumDays	60.00	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	LDA	0.53	0.59
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	8.1680e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.15
tblFleetMix	MH	4.3360e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.7510e-003	0.00
tblFleetMix	SBUS	1.9630e-003	0.00
tblFleetMix	UBUS	6.3500e-004	0.00
tblLandUse	LandUseSquareFeet	1,329,100.00	1,329,096.00
tblLandUse	LandUseSquareFeet	426,800.00	1,859,789.00
tblLandUse	LotAcreage	9.60	42.69
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	1.18
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	1.18
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	1.18

Giovannoni Logistics Phase 2 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.0520	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Energy	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	1,524.8521	1,524.8521	0.2085	0.0296	1,538.8723
Mobile	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7204	1,356.7204	0.0521	0.0455	1,371.5766
Stationary	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Waste						0.0000	0.0000		0.0000	0.0000	253.9092	0.0000	253.9092	15.0056	0.0000	629.0493
Water						0.0000	0.0000		0.0000	0.0000	97.5094	160.5470	258.0563	10.0411	0.2396	580.4934
Total	6.5264	0.7310	5.7180	0.0163	1.6937	0.0284	1.7220	0.4503	0.0277	0.4780	351.4186	3,043.9904	3,395.4090	25.3077	0.3147	4,121.8717

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.6399	1.1000e-004	0.0129	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244
Energy	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	1,524.8521	1,524.8521	0.2085	0.0296	1,538.8723
Mobile	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7204	1,356.7204	0.0521	0.0455	1,371.5766
Stationary	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Waste						0.0000	0.0000		0.0000	0.0000	253.9092	0.0000	253.9092	15.0056	0.0000	629.0493
Water						0.0000	0.0000		0.0000	0.0000	97.5094	160.5470	258.0563	10.0411	0.2396	580.4934
Total	6.1143	0.7309	5.7086	0.0163	1.6937	0.0283	1.7220	0.4503	0.0276	0.4779	351.4186	3,043.9705	3,395.3891	25.3076	0.3147	4,121.8502

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.31	0.01	0.16	0.00	0.00	0.18	0.00	0.00	0.18	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Giovannoni Logistics Phase 2 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7204	1,356.7204	0.0521	0.0455	1,371.5766
Unmitigated	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7204	1,356.7204	0.0521	0.0455	1,371.5766

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-Rail	1,568.34	1,568.34	1,568.34	4,635,505	4,635,505
Total	1,568.34	1,568.34	1,568.34	4,635,505	4,635,505

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.527728	0.057239	0.176957	0.136995	0.033875	0.008168	0.012713	0.010801	0.001751	0.000635	0.026841	0.001963	0.004336
Parking Lot	0.527728	0.057239	0.176957	0.136995	0.033875	0.008168	0.012713	0.010801	0.001751	0.000635	0.026841	0.001963	0.004336
Refrigerated Warehouse-Rail	0.587070	0.063675	0.196855	0.152400	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,256.7532	1,256.7532	0.2033	0.0246	1,269.1802
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,256.7532	1,256.7532	0.2033	0.0246	1,269.1802
Natural Gas Mitigated	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920
Natural Gas Unmitigated	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920

Giovannoni Logistics Phase 2 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-Rail	5.02398e+006	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920
Total		0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-Rail	5.02398e+006	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920
Total		0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920

Giovannoni Logistics Phase 2 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	650926	60.2261	9.7400e-003	1.1800e-003	60.8217
Refrigerated Warehouse-Rail	1.29321e+007	1,196.5270	0.1936	0.0235	1,208.3586
Total		1,256.7532	0.2033	0.0246	1,269.1802

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	650926	60.2261	9.7400e-003	1.1800e-003	60.8217
Refrigerated Warehouse-Rail	1.29321e+007	1,196.5270	0.1936	0.0235	1,208.3586
Total		1,256.7532	0.2033	0.0246	1,269.1802

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

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					
Mitigated	5.6399	1.1000e-004	0.0129	0.0000		3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244
Unmitigated	6.0520	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

Giovannoni Logistics Phase 2 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7318					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Total	6.0520	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.7000e-004	1.1000e-004	0.0129	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244
Total	5.6399	1.1000e-004	0.0129	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	258.0563	10.0411	0.2396	580.4934
Unmitigated	258.0563	10.0411	0.2396	580.4934

Giovannoni Logistics Phase 2 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 20.6007	6.6712	1.0800e-003	1.3000e-004	6.7372
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	307.354 / 0	251.3851	10.0400	0.2395	573.7562
Total		258.0563	10.0411	0.2396	580.4934

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 20.6007	6.6712	1.0800e-003	1.3000e-004	6.7372
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	307.354 / 0	251.3851	10.0400	0.2395	573.7562
Total		258.0563	10.0411	0.2396	580.4934

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	253.9092	15.0056	0.0000	629.0493
Unmitigated	253.9092	15.0056	0.0000	629.0493

Giovannoni Logistics Phase 2 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	1249.35	253.6068	14.9877	0.0000	628.3000
Total		253.9092	15.0056	0.0000	629.0493

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	1249.35	253.6068	14.9877	0.0000	628.3000
Total		253.9092	15.0056	0.0000	629.0493

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Giovannoni Logistics Phase 2 COLD Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	4	48	50	0.73	Diesel
Fire Pump	1	4	48	50	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (50 - 75 HP)	1.9700e-003	6.4200e-003	7.1500e-003	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	0.9139	0.9139	1.3000e-004	0.0000	0.9171
Fire Pump - Diesel (50 - 75 HP)	1.9700e-003	6.4200e-003	7.1500e-003	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	0.9139	0.9139	1.3000e-004	0.0000	0.9171
Total	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342

Giovannoni Logistics Phase 2 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Giovannoni Logistics Phase 2 DRY Op - AIR-2c
Napa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,329.10	1000sqft	30.51	1,329,096.00	0
Parking Lot	1,067.00	Space	42.69	1,859,789.00	0
City Park	17.29	Acre	17.29	753,152.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	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 - CalEEMod Note 2
- Construction Phase - CalEEMod Note 7
- Off-road Equipment - CalEEMod Note 7
- Trips and VMT -
- Grading -
- Vehicle Trips - CalEEMod Note 9
- Consumer Products -
- Energy Use -
- Construction Off-road Equipment Mitigation -
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 11
- Area Mitigation - CalEEMod Note 8

Giovanoni Logistics Phase 2 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblConstructionPhase	NumDays	60.00	0.00
tblFleetMix	HHV	0.01	0.00
tblFleetMix	LDA	0.53	0.59
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	8.1680e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.15
tblFleetMix	MH	4.3360e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.7510e-003	0.00
tblFleetMix	SBUS	1.9630e-003	0.00
tblFleetMix	UBUS	6.3500e-004	0.00
tblLandUse	LandUseSquareFeet	1,329,100.00	1,329,096.00
tblLandUse	LandUseSquareFeet	426,800.00	1,859,789.00
tblLandUse	LotAcreage	9.60	42.69
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.74	1.18
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.74	1.18
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	1.74	1.18

Giovannoni Logistics Phase 2 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.0520	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Energy	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170	0.0170	0.0170	0.0170	0.0000	734.6157	734.6157	0.0841	0.0141	740.9171
Mobile	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7204	1,356.7204	0.0521	0.0455	1,371.5766
Stationary	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	253.9092	0.0000	253.9092	15.0056	0.0000	629.0493
Water						0.0000	0.0000	0.0000	0.0000	0.0000	97.5094	160.5470	258.0563	10.0411	0.2396	580.4934
Total	6.5239	0.7089	5.6993	0.0162	1.6937	0.0267	1.7203	0.4503	0.0260	0.4763	351.4186	2,253.7540	2,605.1726	25.1833	0.2992	3,323.9165

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.6399	1.1000e-004	0.0129	0.0000		3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244
Energy	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170	0.0170	0.0170	0.0170	0.0000	734.6157	734.6157	0.0841	0.0141	740.9171
Mobile	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7204	1,356.7204	0.0521	0.0455	1,371.5766
Stationary	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	253.9092	0.0000	253.9092	15.0056	0.0000	629.0493
Water						0.0000	0.0000	0.0000	0.0000	0.0000	97.5094	160.5470	258.0563	10.0411	0.2396	580.4934
Total	6.1119	0.7088	5.6900	0.0162	1.6937	0.0266	1.7203	0.4503	0.0259	0.4762	351.4186	2,253.7342	2,605.1528	25.1832	0.2992	3,323.8950

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.32	0.01	0.16	0.00	0.00	0.19	0.00	0.00	0.19	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Giovanoni Logistics Phase 2 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7204	1,356.7204	0.0521	0.0455	1,371.5766
Unmitigated	0.4434	0.4717	5.4746	0.0148	1.6937	8.6900e-003	1.7024	0.4503	8.0100e-003	0.4583	0.0000	1,356.7204	1,356.7204	0.0521	0.0455	1,371.5766

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,568.34	1,568.34	1,568.34	4,635,505	4,635,505
Total	1,568.34	1,568.34	1,568.34	4,635,505	4,635,505

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.527728	0.057239	0.176957	0.136995	0.033875	0.008168	0.012713	0.010801	0.001751	0.000635	0.026841	0.001963	0.004336
Parking Lot	0.527728	0.057239	0.176957	0.136995	0.033875	0.008168	0.012713	0.010801	0.001751	0.000635	0.026841	0.001963	0.004336
Unrefrigerated Warehouse-No Rail	0.587070	0.063675	0.196855	0.152400	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	490.6316	490.6316	0.0794	9.6200e-003	495.4830
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	490.6316	490.6316	0.0794	9.6200e-003	495.4830
Natural Gas Mitigated	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340
Natural Gas Unmitigated	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340

Giovannoni Logistics Phase 2 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated Warehouse-No Rail	4.57209e+006	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340
Total		0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated Warehouse-No Rail	4.57209e+006	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340
Total		0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340

Giovanoni Logistics Phase 2 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	650926	60.2261	9.7400e-003	1.1800e-003	60.8217
Unrefrigerated Warehouse-No Rail	4.65184e+006	430.4054	0.0696	8.4400e-003	434.6614
Total		490.6316	0.0794	9.6200e-003	495.4830

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	650926	60.2261	9.7400e-003	1.1800e-003	60.8217
Unrefrigerated Warehouse-No Rail	4.65184e+006	430.4054	0.0696	8.4400e-003	434.6614
Total		490.6316	0.0794	9.6200e-003	495.4830

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.6399	1.1000e-004	0.0129	0.0000		3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244
Unmitigated	6.0520	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

Giovanoni Logistics Phase 2 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7318					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0500e-003	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460
Total	6.0520	2.0000e-004	0.0222	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0460

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.7000e-004	1.1000e-004	0.0129	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244
Total	5.6399	1.1000e-004	0.0129	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	258.0563	10.0411	0.2396	580.4934
Unmitigated	258.0563	10.0411	0.2396	580.4934

Giovannoni Logistics Phase 2 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 20.6007	6.6712	1.0800e-003	1.3000e-004	6.7372
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	307.354 / 0	251.3851	10.0400	0.2395	573.7562
Total		258.0563	10.0411	0.2396	580.4934

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 20.6007	6.6712	1.0800e-003	1.3000e-004	6.7372
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	307.354 / 0	251.3851	10.0400	0.2395	573.7562
Total		258.0563	10.0411	0.2396	580.4934

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	253.9092	15.0056	0.0000	629.0493
Unmitigated	253.9092	15.0056	0.0000	629.0493

Giovannoni Logistics Phase 2 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1249.35	253.6068	14.9877	0.0000	628.3000
Total		253.9092	15.0056	0.0000	629.0493

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1249.35	253.6068	14.9877	0.0000	628.3000
Total		253.9092	15.0056	0.0000	629.0493

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Giovannoni Logistics Phase 2 DRY Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	4	48	50	0.73	Diesel
Fire Pump	1	4	48	50	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (50 - 75 HP)	1.9700e-003	6.4200e-003	7.1500e-003	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	0.9139	0.9139	1.3000e-004	0.0000	0.9171
Fire Pump - Diesel (50 - 75 HP)	1.9700e-003	6.4200e-003	7.1500e-003	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	0.9139	0.9139	1.3000e-004	0.0000	0.9171
Total	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342

11.0 Vegetation

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Giovannoni Logistics Phase 1 Con - AIR-2a,b
Napa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	469.52	1000sqft	10.78	469,520.00	0
Refrigerated Warehouse-Rail	601.38	1000sqft	13.81	601,380.00	0
Other Non-Asphalt Surfaces	106.71	1000sqft	2.45	0.00	0
Parking Lot	860.00	Space	34.40	1,498,504.00	0
City Park	8.76	Acre	8.76	381,585.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	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 - CalEEMod Note 2
- Construction Phase - CalEEMod Note 3
- Off-road Equipment - CalEEMod Note 4
- Trips and VMT - CalEEMod Note 6
- Grading - CalEEMod Note 5
- Architectural Coating - CalEEMod Note 8
- Vehicle Trips - CalEEMod Note 7
- Consumer Products -
- Energy Use - CalEEMod Note 7
- Water And Wastewater - CalEEMod Note 7
- Solid Waste - CalEEMod Note 7
- Construction Off-road Equipment Mitigation - CalEEMod Note 8
- Area Mitigation - CalEEMod Note 8
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 7
- Stationary Sources - Process Boilers -

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	150.00	50.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorVal	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValu	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	40.00	6.00
tblConstructionPhase	NumDays	110.00	17.00
tblConstructionPhase	NumDays	1,110.00	168.00
tblConstructionPhase	NumDays	75.00	11.00
tblConstructionPhase	NumDays	75.00	11.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	1.62	0.00
tblEnergyUse	LightingElect	1.62	0.00
tblEnergyUse	NT24E	7.99	0.00
tblEnergyUse	NT24E	7.99	0.00
tblEnergyUse	NT24NG	3.06	0.00
tblEnergyUse	NT24NG	3.06	0.00
tblEnergyUse	T24E	0.12	0.00
tblEnergyUse	T24E	0.12	0.00
tblEnergyUse	T24NG	0.72	0.00
tblEnergyUse	T24NG	0.72	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	LDA	0.52	0.59
tblFleetMix	LDA	0.52	0.59
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT1	0.06	0.06
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LDT2	0.18	0.20
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.3450e-003	0.00
tblFleetMix	LHD2	8.3450e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.15
tblFleetMix	MDV	0.14	0.15
tblFleetMix	MH	4.5230e-003	0.00
tblFleetMix	MH	4.5230e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.8150e-003	0.00
tblFleetMix	OBUS	1.8150e-003	0.00
tblFleetMix	SBUS	1.9730e-003	0.00
tblFleetMix	SBUS	1.9730e-003	0.00
tblFleetMix	UBUS	6.4000e-004	0.00
tblFleetMix	UBUS	6.4000e-004	0.00
tblGrading	MaterialImported	0.00	5,400.00
tblLandUse	LandUseSquareFeet	106,710.00	0.00

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblLandUse	LandUseSquareFeet	344,000.00	1,498,504.00
tblLandUse	LotAcreage	7.74	34.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblSolidWaste	SolidWasteGenerationRate	0.75	0.00
tblSolidWaste	SolidWasteGenerationRate	441.35	0.00
tblSolidWaste	SolidWasteGenerationRate	565.30	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblTripsAndVMT	WorkerTripLength	10.80	8.12
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	0.00
tblVehicleTrips	ST_TR	2.12	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	0.00
tblVehicleTrips	SU_TR	2.12	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	0.00
tblVehicleTrips	WD_TR	2.12	0.00
tblWater	IndoorWaterUseRate	108,576,500.00	0.00
tblWater	IndoorWaterUseRate	139,069,125.00	0.00
tblWater	OutdoorWaterUseRate	10,437,376.62	0.00

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	3.2137	4.4841	4.7708	0.0175	0.9794	0.1182	1.0975	0.2770	0.1112	0.3882	0.0000	1,636.7419	1,636.7419	0.1080	0.1488	1,683.7907
Maximum	3.2137	4.4841	4.7708	0.0175	0.9794	0.1182	1.0975	0.2770	0.1112	0.3882	0.0000	1,636.7419	1,636.7419	0.1080	0.1488	1,683.7907

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	3.2137	4.4841	4.7708	0.0175	0.9360	0.1182	1.0542	0.2598	0.1112	0.3711	0.0000	1,636.7416	1,636.7416	0.1080	0.1488	1,683.7904
Maximum	3.2137	4.4841	4.7708	0.0175	0.9360	0.1182	1.0542	0.2598	0.1112	0.3711	0.0000	1,636.7416	1,636.7416	0.1080	0.1488	1,683.7904

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	4.43	0.00	3.95	6.18	0.00	4.41	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-3-2022	4-2-2022	1.5906	1.5906
2	4-3-2022	7-2-2022	1.7204	1.7204
3	7-3-2022	9-30-2022	1.6551	1.6551
		Highest	1.7204	1.7204

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1/3/2022	1/10/2022	5	6	
2	Grading	Grading	1/11/2022	2/2/2022	5	17	
3	Building Construction	Building Construction	2/3/2022	9/26/2022	5	168	
4	Paving	Paving	9/27/2022	10/11/2022	5	11	
5	Architectural Coating	Architectural Coating	10/12/2022	10/26/2022	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 51

Acres of Paving: 36.85

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,606,352; Non-Residential Outdoor: 535,451; Striped Parking Area: 89,910

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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

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	4	10.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	675.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,239.00	484.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	248.00	0.00	0.00	8.12	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9800e-003	0.0201	0.0269	4.0000e-005		1.0800e-003	1.0800e-003		9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059
Total	1.9800e-003	0.0201	0.0269	4.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461
Total	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9800e-003	0.0201	0.0269	4.0000e-005		1.0800e-003	1.0800e-003		9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059
Total	1.9800e-003	0.0201	0.0269	4.0000e-005	0.0000	1.0800e-003	1.0800e-003	0.0000	9.9000e-004	9.9000e-004	0.0000	3.2794	3.2794	1.0600e-003	0.0000	3.3059

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461
Total	8.0000e-005	6.0000e-005	6.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1444	0.1444	1.0000e-005	1.0000e-005	0.1461

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0788	0.0000	0.0788	0.0311	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0308	0.3302	0.2469	5.3000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292
Total	0.0308	0.3302	0.2469	5.3000e-004	0.0788	0.0139	0.0927	0.0311	0.0128	0.0439	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6600e-003	0.0615	0.0116	2.2000e-004	5.7000e-003	5.4000e-004	6.2300e-003	1.5700e-003	5.1000e-004	2.0800e-003	0.0000	21.4738	21.4738	7.0000e-004	3.3900e-003	22.5029
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	4.8000e-004	3.3000e-004	3.7300e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8181	0.8181	4.0000e-005	3.0000e-005	0.8277
Total	2.1400e-003	0.0618	0.0153	2.3000e-004	6.7100e-003	5.5000e-004	7.2500e-003	1.8400e-003	5.2000e-004	2.3500e-003	0.0000	22.2919	22.2919	7.4000e-004	3.4200e-003	23.3306

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0355	0.0000	0.0355	0.0140	0.0000	0.0140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0308	0.3302	0.2469	5.3000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292
Total	0.0308	0.3302	0.2469	5.3000e-004	0.0355	0.0139	0.0494	0.0140	0.0128	0.0268	0.0000	46.3544	46.3544	0.0150	0.0000	46.7292

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.6600e-003	0.0615	0.0116	2.2000e-004	5.7000e-003	5.4000e-004	6.2300e-003	1.5700e-003	5.1000e-004	2.0800e-003	0.0000	21.4738	21.4738	7.0000e-004	3.3900e-003	22.5029
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	4.8000e-004	3.3000e-004	3.7300e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0200e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8181	0.8181	4.0000e-005	3.0000e-005	0.8277
Total	2.1400e-003	0.0618	0.0153	2.3000e-004	6.7100e-003	5.5000e-004	7.2500e-003	1.8400e-003	5.2000e-004	2.3500e-003	0.0000	22.2919	22.2919	7.4000e-004	3.4200e-003	23.3306

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1433	1.3117	1.3745	2.2600e-003		0.0680	0.0680		0.0639	0.0639	0.0000	194.6492	194.6492	0.0466	0.0000	195.8150
Total	0.1433	1.3117	1.3745	2.2600e-003		0.0680	0.0680		0.0639	0.0639	0.0000	194.6492	194.6492	0.0466	0.0000	195.8150

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1019	2.4849	0.7037	8.7700e-003	0.2865	0.0275	0.2940	0.0771	0.0263	0.1034	0.0000	849.8061	849.8061	0.0189	0.1272	888.1935
Worker	0.2912	0.2036	2.2810	5.4600e-003	0.6186	3.5500e-003	0.6221	0.1646	3.2700e-003	0.1679	0.0000	500.8363	500.8363	0.0218	0.0179	506.7172
Total	0.3931	2.6885	2.9848	0.0142	0.8851	0.0311	0.9161	0.2417	0.0296	0.2713	0.0000	1,350.6424	1,350.6424	0.0406	0.1451	1,394.9106

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1433	1.3117	1.3745	2.2600e-003		0.0680	0.0680		0.0639	0.0639	0.0000	194.6490	194.6490	0.0466	0.0000	195.8148
Total	0.1433	1.3117	1.3745	2.2600e-003		0.0680	0.0680		0.0639	0.0639	0.0000	194.6490	194.6490	0.0466	0.0000	195.8148

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1019	2.4849	0.7037	8.7700e-003	0.2665	0.0275	0.2940	0.0771	0.0263	0.1034	0.0000	849.8061	849.8061	0.0189	0.1272	888.1935
Worker	0.2912	0.2036	2.2810	5.4600e-003	0.6186	3.5500e-003	0.6221	0.1646	3.2700e-003	0.1679	0.0000	500.8363	500.8363	0.0218	0.0179	506.7172
Total	0.3931	2.6885	2.9848	0.0142	0.8851	0.0311	0.9161	0.2417	0.0296	0.2713	0.0000	1,350.6424	1,350.6424	0.0406	0.1451	1,394.9106

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0700e-003	0.0612	0.0802	1.3000e-004		3.1200e-003	3.1200e-003		2.8700e-003	2.8700e-003	0.0000	11.0152	11.0152	3.5600e-003	0.0000	11.1042
Paving	0.0451					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0511	0.0612	0.0802	1.3000e-004		3.1200e-003	3.1200e-003		2.8700e-003	2.8700e-003	0.0000	11.0152	11.0152	3.5600e-003	0.0000	11.1042

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	1.8100e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3970	0.3970	2.0000e-005	1.0000e-005	0.4017
Total	2.3000e-004	1.6000e-004	1.8100e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3970	0.3970	2.0000e-005	1.0000e-005	0.4017

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0700e-003	0.0612	0.0802	1.3000e-004		3.1200e-003	3.1200e-003		2.8700e-003	2.8700e-003	0.0000	11.0151	11.0151	3.5600e-003	0.0000	11.1042
Paving	0.0451					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0511	0.0612	0.0802	1.3000e-004		3.1200e-003	3.1200e-003		2.8700e-003	2.8700e-003	0.0000	11.0151	11.0151	3.5600e-003	0.0000	11.1042

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	1.8100e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3970	0.3970	2.0000e-005	1.0000e-005	0.4017
Total	2.3000e-004	1.6000e-004	1.8100e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3970	0.3970	2.0000e-005	1.0000e-005	0.4017

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.5860					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1200e-003	7.7500e-003	9.9700e-003	2.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	1.4043	1.4043	9.0000e-005	0.0000	1.4066
Total	2.5871	7.7500e-003	9.9700e-003	2.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	1.4043	1.4043	9.0000e-005	0.0000	1.4066

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8200e-003	2.6700e-003	0.0299	7.0000e-005	8.1100e-003	5.0000e-005	8.1500e-003	2.1600e-003	4.0000e-005	2.2000e-003	0.0000	6.5639	6.5639	2.9000e-004	2.3000e-004	6.6409
Total	3.8200e-003	2.6700e-003	0.0299	7.0000e-005	8.1100e-003	5.0000e-005	8.1500e-003	2.1600e-003	4.0000e-005	2.2000e-003	0.0000	6.5639	6.5639	2.9000e-004	2.3000e-004	6.6409

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.5860					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1200e-003	7.7500e-003	9.9700e-003	2.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	1.4043	1.4043	9.0000e-005	0.0000	1.4066
Total	2.5871	7.7500e-003	9.9700e-003	2.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	1.4043	1.4043	9.0000e-005	0.0000	1.4066

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8200e-003	2.6700e-003	0.0299	7.0000e-005	8.1100e-003	5.0000e-005	8.1500e-003	2.1600e-003	4.0000e-005	2.2000e-003	0.0000	6.5639	6.5639	2.9000e-004	2.3000e-004	6.6409
Total	3.8200e-003	2.6700e-003	0.0299	7.0000e-005	8.1100e-003	5.0000e-005	8.1500e-003	2.1600e-003	4.0000e-005	2.2000e-003	0.0000	6.5639	6.5639	2.9000e-004	2.3000e-004	6.6409

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	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
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.5422	1.0000e-004	0.0109	0.0000		3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	0.0000	0.0197	0.0197	4.0000e-005	0.0000	0.0207
Unmitigated	4.8743	1.7000e-004	0.0188	0.0000		7.0000e-005	7.0000e-005	7.0000e-005	7.0000e-005	7.0000e-005	0.0000	0.0366	0.0366	1.0000e-004	0.0000	0.0390

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5897					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7500e-003	1.7000e-004	0.0188	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0366	0.0366	1.0000e-004	0.0000	0.0390
Total	4.8743	1.7000e-004	0.0188	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0366	0.0366	1.0000e-004	0.0000	0.0390

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.2586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.4000e-004	1.0000e-004	0.0109	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0197	0.0197	4.0000e-005	0.0000	0.0207	
Total	4.5422	1.0000e-004	0.0109	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0197	0.0197	4.0000e-005	0.0000	0.0207	

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr		
City Park	0 / 0	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0 / 0	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0 / 0	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr		
City Park	0	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000

Giovannoni Logistics Phase 1 Con - AIR-2a,b - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	0	0.0000	0.0000	0.0000	0.0000
Total		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
Emergency Generator	0	4	48	50	0.73	Diesel
Fire Pump	0	4	48	50	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (50 - 75 HP)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fire Pump - Diesel (50 - 75 HP)	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Giovannoni Logistics Phase 1 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Giovannoni Logistics Phase 1 COLD 2030 Op - AIR-2c
Napa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-No Rail	469.52	1000sqft	10.78	469,520.00	0
Refrigerated Warehouse-Rail	601.38	1000sqft	13.81	601,380.00	0
Parking Lot	860.00	Space	34.40	1,498,504.00	0
City Park	8.76	Acre	8.76	381,585.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	184	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - CalEEMod Note 1
- Land Use - CalEEMod Note 2
- Construction Phase - CalEEMod Note 7
- Off-road Equipment - CalEEMod Note 7
- Trips and VMT -
- Grading -
- Architectural Coating -
- Vehicle Trips - CalEEMod Note 9
- Consumer Products -
- Energy Use -
- Water And Wastewater - CalEEMod Note 10
- Construction Off-road Equipment Mitigation -
- Area Mitigation - CalEEMod Note 8
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 11
- Stationary Sources - Process Boilers -

Giovannoni Logistics Phase 1 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblConstructionPhase	NumDays	40.00	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	LDA	0.57	0.63
tblFleetMix	LDA	0.57	0.63
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	6.9330e-003	0.00
tblFleetMix	LHD2	6.9330e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	3.2310e-003	0.00
tblFleetMix	MH	3.2310e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.6620e-003	0.00
tblFleetMix	OBUS	1.6620e-003	0.00
tblFleetMix	SBUS	1.7330e-003	0.00
tblFleetMix	SBUS	1.7330e-003	0.00
tblFleetMix	UBUS	5.8900e-004	0.00
tblFleetMix	UBUS	5.8900e-004	0.00
tblLandUse	LandUseSquareFeet	344,000.00	1,498,504.00
tblLandUse	LotAcreage	7.74	34.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	203.98	184
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00

Giovannoni Logistics Phase 1 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	1.18
tblVehicleTrips	ST_TR	2.12	1.18
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	1.18
tblVehicleTrips	SU_TR	2.12	1.18
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	1.18
tblVehicleTrips	WD_TR	2.12	1.18
tblWater	IndoorWaterUseRate	108,576,500.00	2,565,220.00
tblWater	IndoorWaterUseRate	139,069,125.00	3,292,665.00
tblWater	OutdoorWaterUseRate	10,437,376.62	2,786,968.00

Giovannoni Logistics Phase 1 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8741	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369
Energy	0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	1,129.4418	1,129.4418	0.1680	0.0238	1,140.7384
Mobile	0.2098	0.1989	2.9997	9.4800e-003	1.3646	4.7200e-003	1.3694	0.3628	4.3400e-003	0.3672	0.0000	870.0113	870.0113	0.0232	0.0251	878.0761
Stationary	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.1000e-004	0.0000	3.6685
Waste						0.0000	0.0000		0.0000	0.0000	204.4931	0.0000	204.4931	12.0852	0.0000	506.6230
Water						0.0000	0.0000		0.0000	0.0000	1.8584	3.4596	5.3180	0.1915	4.5800e-003	11.4710
Total	5.1137	0.4232	3.2127	0.0107	1.3646	0.0216	1.3862	0.3628	0.0212	0.3840	206.3515	2,006.6030	2,212.9545	12.4684	0.0535	2,540.6139

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.5422	9.0000e-005	0.0103	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0196
Energy	0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	1,129.4418	1,129.4418	0.1680	0.0238	1,140.7384
Mobile	0.2098	0.1989	2.9997	9.4800e-003	1.3646	4.7200e-003	1.3694	0.3628	4.3400e-003	0.3672	0.0000	870.0113	870.0113	0.0232	0.0251	878.0761
Stationary	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.1000e-004	0.0000	3.6685
Waste						0.0000	0.0000		0.0000	0.0000	204.4931	0.0000	204.4931	12.0852	0.0000	506.6230
Water						0.0000	0.0000		0.0000	0.0000	1.8584	3.4596	5.3180	0.1915	4.5800e-003	11.4710
Total	4.7817	0.4231	3.2053	0.0107	1.3646	0.0216	1.3862	0.3628	0.0212	0.3840	206.3515	2,006.5870	2,212.9385	12.4684	0.0535	2,540.5966

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.49	0.02	0.23	0.00	0.00	0.14	0.00	0.00	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Giovannoni Logistics Phase 1 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2098	0.1989	2.9997	9.4800e-003	1.3646	4.7200e-003	1.3694	0.3628	4.3400e-003	0.3672	0.0000	870.0113	870.0113	0.0232	0.0251	878.0761
Unmitigated	0.2098	0.1989	2.9997	9.4800e-003	1.3646	4.7200e-003	1.3694	0.3628	4.3400e-003	0.3672	0.0000	870.0113	870.0113	0.0232	0.0251	878.0761

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	554.03	554.03	554.03	1,637,546	1,637,546
Refrigerated Warehouse-Rail	709.63	709.63	709.63	2,097,434	2,097,434
Total	1,263.66	1,263.66	1,263.66	3,734,981	3,734,981

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0
Refrigerated Warehouse-Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.571798	0.054112	0.166960	0.117788	0.026174	0.006933	0.012719	0.011244	0.001662	0.000589	0.025057	0.001733	0.003231
Parking Lot	0.571798	0.054112	0.166960	0.117788	0.026174	0.006933	0.012719	0.011244	0.001662	0.000589	0.025057	0.001733	0.003231
Refrigerated Warehouse-No Rail	0.627895	0.059421	0.183340	0.129344	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Refrigerated Warehouse-Rail	0.627895	0.059421	0.183340	0.129344	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Giovannoni Logistics Phase 1 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	913.4250	913.4250	0.1638	0.0199	923.4379
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	913.4250	913.4250	0.1638	0.0199	923.4379
NaturalGas Mitigated	0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.0168	216.0168	4.1400e-003	3.9600e-003	217.3005
NaturalGas Unmitigated	0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.0168	216.0168	4.1400e-003	3.9600e-003	217.3005

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-No Rail	1.77479e+006	9.5700e-003	0.0870	0.0731	5.2000e-004		6.6100e-003	6.6100e-003		6.6100e-003	6.6100e-003	0.0000	94.7093	94.7093	1.8200e-003	1.7400e-003	95.2721
Refrigerated Warehouse-Rail	2.27322e+006	0.0123	0.1114	0.0936	6.7000e-004		8.4700e-003	8.4700e-003		8.4700e-003	8.4700e-003	0.0000	121.3075	121.3075	2.3300e-003	2.2200e-003	122.0284
Total		0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.0168	216.0168	4.1500e-003	3.9600e-003	217.3005

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-No Rail	1.77479e+006	9.5700e-003	0.0870	0.0731	5.2000e-004		6.6100e-003	6.6100e-003		6.6100e-003	6.6100e-003	0.0000	94.7093	94.7093	1.8200e-003	1.7400e-003	95.2721
Refrigerated Warehouse-Rail	2.27322e+006	0.0123	0.1114	0.0936	6.7000e-004		8.4700e-003	8.4700e-003		8.4700e-003	8.4700e-003	0.0000	121.3075	121.3075	2.3300e-003	2.2200e-003	122.0284
Total		0.0218	0.1984	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.0168	216.0168	4.1500e-003	3.9600e-003	217.3005

Giovannoni Logistics Phase 1 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	524476	43.7733	7.8500e-003	9.5000e-004	44.2532
Refrigerated Warehouse-No Rail	4.56843e+006	381.2857	0.0684	8.2900e-003	385.4653
Refrigerated Warehouse-Rail	5.85143e+006	488.3660	0.0876	0.0106	493.7194
Total		913.4250	0.1638	0.0199	923.4379

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	524476	43.7733	7.8500e-003	9.5000e-004	44.2532
Refrigerated Warehouse-No Rail	4.56843e+006	381.2857	0.0684	8.2900e-003	385.4653
Refrigerated Warehouse-Rail	5.85143e+006	488.3660	0.0876	0.0106	493.7194
Total		913.4250	0.1638	0.0199	923.4379

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.5422	9.0000e-005	0.0103	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0196
Unmitigated	4.8741	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369

Giovannoni Logistics Phase 1 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5897					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369
Total	4.8741	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.9000e-004	9.0000e-005	0.0103	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0196
Total	4.5422	9.0000e-005	0.0103	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0196

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.3180	0.1915	4.5800e-003	11.4710
Unmitigated	5.3180	0.1915	4.5800e-003	11.4710

Giovannoni Logistics Phase 1 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 2.78697	0.8141	1.5000e-004	2.0000e-005	0.8230
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2.56522 / 0	1.9723	0.0838	2.0000e-003	4.6629
Refrigerated Warehouse-Rail	3.29267 / 0	2.5316	0.1076	2.5700e-003	5.9851
Total		5.3180	0.1915	4.5900e-003	11.4710

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 2.78697	0.8141	1.5000e-004	2.0000e-005	0.8230
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	2.56522 / 0	1.9723	0.0838	2.0000e-003	4.6629
Refrigerated Warehouse-Rail	3.29267 / 0	2.5316	0.1076	2.5700e-003	5.9851
Total		5.3180	0.1915	4.5900e-003	11.4710

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	204.4931	12.0852	0.0000	506.6230
Unmitigated	204.4931	12.0852	0.0000	506.6230

Giovannoni Logistics Phase 1 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.75	0.1522	9.0000e-003	0.0000	0.3772
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	441.35	89.5901	5.2946	0.0000	221.9556
Refrigerated Warehouse-Rail	565.3	114.7508	6.7816	0.0000	284.2902
Total		204.4931	12.0852	0.0000	506.6230

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.75	0.1522	9.0000e-003	0.0000	0.3772
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	441.35	89.5901	5.2946	0.0000	221.9556
Refrigerated Warehouse-Rail	565.3	114.7508	6.7816	0.0000	284.2902
Total		204.4931	12.0852	0.0000	506.6230

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Giovannoni Logistics Phase 1 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	4	48	50	0.73	Diesel
Fire Pump	2	4	48	50	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (50 - 75 HP)	3.9400e-003	0.0128	0.0143	2.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Fire Pump - Diesel (50 - 75 HP)	3.9400e-003	0.0128	0.0143	2.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Total	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.2000e-004	0.0000	3.6685

Giovannoni Logistics Phase 1 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Giovannoni Logistics Phase 1 DRY 2030 Op - AIR-2c
Napa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	469.52	1000sqft	10.78	469,520.00	0
Unrefrigerated Warehouse-Rail	601.38	1000sqft	13.81	601,380.00	0
Parking Lot	860.00	Space	34.40	1,498,504.00	0
City Park	8.76	Acre	8.76	381,585.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	184	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - CalEEMod Note 1
- Land Use - CalEEMod Note 2
- Construction Phase - CalEEMod Note 7
- Off-road Equipment - CalEEMod Note 7
- Trips and VMT -
- Grading -
- Architectural Coating -
- Vehicle Trips - CalEEMod Note 9
- Consumer Products -
- Energy Use -
- Water And Wastewater - CalEEMod Note 10
- Construction Off-road Equipment Mitigation -
- Area Mitigation - CalEEMod Note 8
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 11
- Stationary Sources - Process Boilers -

Giovannoni Logistics Phase 1 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorVal	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValu	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblConstructionPhase	NumDays	40.00	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	LDA	0.57	0.63
tblFleetMix	LDA	0.57	0.63
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	6.9330e-003	0.00
tblFleetMix	LHD2	6.9330e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	3.2310e-003	0.00
tblFleetMix	MH	3.2310e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.6620e-003	0.00
tblFleetMix	OBUS	1.6620e-003	0.00
tblFleetMix	SBUS	1.7330e-003	0.00
tblFleetMix	SBUS	1.7330e-003	0.00
tblFleetMix	UBUS	5.8900e-004	0.00
tblFleetMix	UBUS	5.8900e-004	0.00
tblLandUse	LandUseSquareFeet	344,000.00	1,498,504.00
tblLandUse	LotAcreage	7.74	34.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	203.98	184
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	2.00
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00

Giovannoni Logistics Phase 1 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.74	1.18
tblVehicleTrips	ST_TR	1.74	1.18
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.74	1.18
tblVehicleTrips	SU_TR	1.74	1.18
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	1.74	1.18
tblVehicleTrips	WD_TR	1.74	1.18
tblWater	IndoorWaterUseRate	108,576,500.00	2,565,220.00
tblWater	IndoorWaterUseRate	139,069,125.00	3,292,665.00
tblWater	OutdoorWaterUseRate	10,437,376.62	2,786,968.00

Giovannoni Logistics Phase 1 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8741	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369
Energy	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	553.1844	553.1844	0.0677	0.0114	558.2616
Mobile	0.2098	0.1989	2.9997	9.4800e-003	1.3646	4.7200e-003	1.3694	0.3628	4.3400e-003	0.3672	0.0000	870.0113	870.0113	0.0232	0.0251	878.0761
Stationary	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.1000e-004	0.0000	3.6685
Waste						0.0000	0.0000		0.0000	0.0000	204.4931	0.0000	204.4931	12.0852	0.0000	506.6230
Water						0.0000	0.0000		0.0000	0.0000	1.8584	3.4596	5.3180	0.1915	4.5800e-003	11.4710
Total	5.1117	0.4054	3.1977	0.0106	1.3646	0.0202	1.3849	0.3628	0.0199	0.3827	206.3515	1,430.3456	1,636.6971	12.3682	0.0411	1,958.1371

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.5422	9.0000e-005	0.0103	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0196
Energy	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	553.1844	553.1844	0.0677	0.0114	558.2616
Mobile	0.2098	0.1989	2.9997	9.4800e-003	1.3646	4.7200e-003	1.3694	0.3628	4.3400e-003	0.3672	0.0000	870.0113	870.0113	0.0232	0.0251	878.0761
Stationary	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.1000e-004	0.0000	3.6685
Waste						0.0000	0.0000		0.0000	0.0000	204.4931	0.0000	204.4931	12.0852	0.0000	506.6230
Water						0.0000	0.0000		0.0000	0.0000	1.8584	3.4596	5.3180	0.1915	4.5800e-003	11.4710
Total	4.7797	0.4053	3.1903	0.0106	1.3646	0.0202	1.3849	0.3628	0.0198	0.3827	206.3515	1,430.3296	1,636.6811	12.3681	0.0411	1,958.1198

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.49	0.02	0.23	0.00	0.00	0.15	0.00	0.00	0.15	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Giovannoni Logistics Phase 1 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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					
Mitigated	0.2098	0.1989	2.9997	9.4800e-003	1.3646	4.7200e-003	1.3694	0.3628	4.3400e-003	0.3672	0.0000	870.0113	870.0113	0.0232	0.0251	878.0761
Unmitigated	0.2098	0.1989	2.9997	9.4800e-003	1.3646	4.7200e-003	1.3694	0.3628	4.3400e-003	0.3672	0.0000	870.0113	870.0113	0.0232	0.0251	878.0761

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	554.03	554.03	554.03	1,637,546	1,637,546
Unrefrigerated Warehouse-Rail	709.63	709.63	709.63	2,097,434	2,097,434
Total	1,263.66	1,263.66	1,263.66	3,734,981	3,734,981

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0
Unrefrigerated Warehouse-Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.571798	0.054112	0.166960	0.117788	0.026174	0.006933	0.012719	0.011244	0.001662	0.000589	0.025057	0.001733	0.003231
Parking Lot	0.571798	0.054112	0.166960	0.117788	0.026174	0.006933	0.012719	0.011244	0.001662	0.000589	0.025057	0.001733	0.003231
Unrefrigerated Warehouse-No Rail	0.627895	0.059421	0.183340	0.129344	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unrefrigerated Warehouse-Rail	0.627895	0.059421	0.183340	0.129344	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

Giovannoni Logistics Phase 1 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	356.5977	356.5977	0.0640	7.7500e-003	360.5067
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	356.5977	356.5977	0.0640	7.7500e-003	360.5067
NaturalGas Mitigated	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.5867	196.5867	3.7700e-003	3.6000e-003	197.7549
NaturalGas Unmitigated	0.0199	0.1806	0.1517	1.0800e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.5867	196.5867	3.7700e-003	3.6000e-003	197.7549

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated Warehouse-No Rail	1.61515e+006	8.7100e-003	0.0792	0.0665	4.8000e-004		6.0200e-003	6.0200e-003		6.0200e-003	6.0200e-003	0.0000	86.1905	86.1905	1.6500e-003	1.5800e-003	86.7027
Unrefrigerated Warehouse-Rail	2.06875e+006	0.0112	0.1014	0.0852	6.1000e-004		7.7100e-003	7.7100e-003		7.7100e-003	7.7100e-003	0.0000	110.3962	110.3962	2.1200e-003	2.0200e-003	111.0523
Total		0.0199	0.1806	0.1517	1.0900e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.5867	196.5867	3.7700e-003	3.6000e-003	197.7549

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated Warehouse-No Rail	1.61515e+006	8.7100e-003	0.0792	0.0665	4.8000e-004		6.0200e-003	6.0200e-003		6.0200e-003	6.0200e-003	0.0000	86.1905	86.1905	1.6500e-003	1.5800e-003	86.7027
Unrefrigerated Warehouse-Rail	2.06875e+006	0.0112	0.1014	0.0852	6.1000e-004		7.7100e-003	7.7100e-003		7.7100e-003	7.7100e-003	0.0000	110.3962	110.3962	2.1200e-003	2.0200e-003	111.0523
Total		0.0199	0.1806	0.1517	1.0900e-003		0.0137	0.0137		0.0137	0.0137	0.0000	196.5867	196.5867	3.7700e-003	3.6000e-003	197.7549

Giovannoni Logistics Phase 1 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	524476	43.7733	7.8500e-003	9.5000e-004	44.2532
Unrefrigerated Warehouse-No Rail	1.64332e+006	137.1531	0.0246	2.9800e-003	138.6566
Unrefrigerated Warehouse-Rail	2.10483e+006	175.6712	0.0315	3.8200e-003	177.5969
Total		356.5977	0.0640	7.7500e-003	360.5067

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	524476	43.7733	7.8500e-003	9.5000e-004	44.2532
Unrefrigerated Warehouse-No Rail	1.64332e+006	137.1531	0.0246	2.9800e-003	138.6566
Unrefrigerated Warehouse-Rail	2.10483e+006	175.6712	0.0315	3.8200e-003	177.5969
Total		356.5977	0.0640	7.7500e-003	360.5067

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

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					
Mitigated	4.5422	9.0000e-005	0.0103	0.0000		3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0196
Unmitigated	4.8741	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005	6.0000e-005	6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369

Giovannoni Logistics Phase 1 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.5897					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369	
Total	4.8741	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0347	0.0347	9.0000e-005	0.0000	0.0369	

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.2586					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	4.2829					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Landscaping	6.9000e-004	9.0000e-005	0.0103	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0196	
Total	4.5422	9.0000e-005	0.0103	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0187	0.0187	4.0000e-005	0.0000	0.0196	

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.3180	0.1915	4.5800e-003	11.4710
Unmitigated	5.3180	0.1915	4.5800e-003	11.4710

Giovannoni Logistics Phase 1 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 2.78697	0.8141	1.5000e-004	2.0000e-005	0.8230
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	2.56522 / 0	1.9723	0.0838	2.0000e-003	4.6629
Unrefrigerated Warehouse-Rail	3.29267 / 0	2.5316	0.1076	2.5700e-003	5.9851
Total		5.3180	0.1915	4.5900e-003	11.4710

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 2.78697	0.8141	1.5000e-004	2.0000e-005	0.8230
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	2.56522 / 0	1.9723	0.0838	2.0000e-003	4.6629
Unrefrigerated Warehouse-Rail	3.29267 / 0	2.5316	0.1076	2.5700e-003	5.9851
Total		5.3180	0.1915	4.5900e-003	11.4710

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	204.4931	12.0852	0.0000	506.6230
Unmitigated	204.4931	12.0852	0.0000	506.6230

Giovannoni Logistics Phase 1 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.75	0.1522	9.0000e-003	0.0000	0.3772
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	441.35	89.5901	5.2946	0.0000	221.9556
Unrefrigerated Warehouse-Rail	565.3	114.7508	6.7816	0.0000	284.2902
Total		204.4931	12.0852	0.0000	506.6230

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.75	0.1522	9.0000e-003	0.0000	0.3772
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	441.35	89.5901	5.2946	0.0000	221.9556
Unrefrigerated Warehouse-Rail	565.3	114.7508	6.7816	0.0000	284.2902
Total		204.4931	12.0852	0.0000	506.6230

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Giovannoni Logistics Phase 1 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	4	48	50	0.73	Diesel
Fire Pump	2	4	48	50	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (50 - 75 HP)	3.9400e-003	0.0128	0.0143	2.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Fire Pump - Diesel (50 - 75 HP)	3.9400e-003	0.0128	0.0143	2.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Total	7.8800e-003	0.0257	0.0286	4.0000e-005		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	3.6557	3.6557	5.2000e-004	0.0000	3.6685

Giovanni Logistics Phase 2 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Giovanni Logistics Phase 2 COLD 2030 Op - AIR-2c
Napa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Refrigerated Warehouse-Rail	1,329.10	1000sqft	30.51	1,329,096.00	0
Parking Lot	1,067.00	Space	42.69	1,859,789.00	0
City Park	17.29	Acre	17.29	753,152.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	184	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - CalEEMod Note 1
- Land Use - CalEEMod Note 2
- Construction Phase - CalEEMod Note 7
- Off-road Equipment - CalEEMod Note 7
- Trips and VMT -
- Grading -
- Vehicle Trips - CalEEMod Note 9
- Consumer Products -
- Energy Use -
- Construction Off-road Equipment Mitigation -
- Area Mitigation - CalEEMod Note 8
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 11
- Stationary Sources - User Defined -

Giovanni Logistics Phase 2 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblConstructionPhase	NumDays	60.00	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	LDA	0.57	0.63
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	6.9330e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	3.2310e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.6620e-003	0.00
tblFleetMix	SBUS	1.7330e-003	0.00
tblFleetMix	UBUS	5.8900e-004	0.00
tblLandUse	LandUseSquareFeet	1,329,100.00	1,329,096.00
tblLandUse	LandUseSquareFeet	426,800.00	1,859,789.00
tblLandUse	LotAcreage	9.60	42.69
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	203.98	184
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.12	1.18
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	2.12	1.18
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.12	1.18

Giovanni Logistics Phase 2 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.0519	2.0000e-004	0.0221	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0459
Energy	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	1,401.7521	1,401.7521	0.2085	0.0296	1,415.7723
Mobile	0.2604	0.2469	3.7230	0.0118	1.6937	5.8600e-003	1.6995	0.4503	5.3900e-003	0.4557	0.0000	1,079.7759	1,079.7759	0.0287	0.0312	1,089.7852
Stationary	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Waste						0.0000	0.0000		0.0000	0.0000	253.9092	0.0000	253.9092	15.0056	0.0000	629.0493
Water						0.0000	0.0000		0.0000	0.0000	97.5094	144.8213	242.3306	10.0411	0.2396	564.7677
Total	6.3434	0.5062	3.9662	0.0133	1.6937	0.0255	1.7192	0.4503	0.0251	0.4754	351.4186	2,628.2202	2,979.6388	25.2843	0.3004	3,701.2546

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.6399	1.1000e-004	0.0128	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244
Energy	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	1,401.7521	1,401.7521	0.2085	0.0296	1,415.7723
Mobile	0.2604	0.2469	3.7230	0.0118	1.6937	5.8600e-003	1.6995	0.4503	5.3900e-003	0.4557	0.0000	1,079.7759	1,079.7759	0.0287	0.0312	1,089.7852
Stationary	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Waste						0.0000	0.0000		0.0000	0.0000	253.9092	0.0000	253.9092	15.0056	0.0000	629.0493
Water						0.0000	0.0000		0.0000	0.0000	97.5094	144.8213	242.3306	10.0411	0.2396	564.7677
Total	5.9314	0.5061	3.9569	0.0133	1.6937	0.0255	1.7191	0.4503	0.0250	0.4753	351.4186	2,628.2004	2,979.6189	25.2842	0.3004	3,701.2332

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.50	0.02	0.23	0.00	0.00	0.20	0.00	0.00	0.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Giovanni Logistics Phase 2 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2604	0.2469	3.7230	0.0118	1.6937	5.8600e-003	1.6995	0.4503	5.3900e-003	0.4557	0.0000	1,079.7759	1,079.7759	0.0287	0.0312	1,089.7852
Unmitigated	0.2604	0.2469	3.7230	0.0118	1.6937	5.8600e-003	1.6995	0.4503	5.3900e-003	0.4557	0.0000	1,079.7759	1,079.7759	0.0287	0.0312	1,089.7852

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-Rail	1,568.34	1,568.34	1,568.34	4,635,505	4,635,505
Total	1,568.34	1,568.34	1,568.34	4,635,505	4,635,505

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.571798	0.054112	0.166960	0.117788	0.026174	0.006933	0.012719	0.011244	0.001662	0.000589	0.025057	0.001733	0.003231
Parking Lot	0.571798	0.054112	0.166960	0.117788	0.026174	0.006933	0.012719	0.011244	0.001662	0.000589	0.025057	0.001733	0.003231
Refrigerated Warehouse-Rail	0.627895	0.059421	0.183340	0.129344	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,133.6532	1,133.6532	0.2033	0.0246	1,146.0803
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,133.6532	1,133.6532	0.2033	0.0246	1,146.0803
Natural Gas Mitigated	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920
Natural Gas Unmitigated	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920

Giovanni Logistics Phase 2 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-Rail	5.02398e+006	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920
Total		0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Refrigerated Warehouse-Rail	5.02398e+006	0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920
Total		0.0271	0.2463	0.2069	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.0989	268.0989	5.1400e-003	4.9200e-003	269.6920

Giovanni Logistics Phase 2 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	650926	54.3269	9.7400e-003	1.1800e-003	54.9225
Refrigerated Warehouse-Rail	1.29321e+007	1,079.3263	0.1936	0.0235	1,091.1578
Total		1,133.6532	0.2033	0.0246	1,146.0803

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	650926	54.3269	9.7400e-003	1.1800e-003	54.9225
Refrigerated Warehouse-Rail	1.29321e+007	1,079.3263	0.1936	0.0235	1,091.1578
Total		1,133.6532	0.2033	0.0246	1,146.0803

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

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					
Mitigated	5.6399	1.1000e-004	0.0128	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244
Unmitigated	6.0519	2.0000e-004	0.0221	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0459

Giovanni Logistics Phase 2 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7318					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0200e-003	2.0000e-004	0.0221	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0459
Total	6.0519	2.0000e-004	0.0221	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0459

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.6000e-004	1.1000e-004	0.0128	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244
Total	5.6399	1.1000e-004	0.0128	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	242.3306	10.0411	0.2396	564.7677
Unmitigated	242.3306	10.0411	0.2396	564.7677

Giovanni Logistics Phase 2 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Unmitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 20.6007	6.0178	1.0800e-003	1.3000e-004	6.0837
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	307.354 / 0	236.3129	10.0400	0.2395	558.6840
Total		242.3306	10.0411	0.2396	564.7677

Mitigated

Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e	
Land Use	Mgal	MT/yr			
City Park	0 / 20.6007	6.0178	1.0800e-003	1.3000e-004	6.0837
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	307.354 / 0	236.3129	10.0400	0.2395	558.6840
Total		242.3306	10.0411	0.2396	564.7677

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	253.9092	15.0056	0.0000	629.0493
Unmitigated	253.9092	15.0056	0.0000	629.0493

Giovanni Logistics Phase 2 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	1249.35	253.6068	14.9877	0.0000	628.3000
Total		253.9092	15.0056	0.0000	629.0493

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-Rail	1249.35	253.6068	14.9877	0.0000	628.3000
Total		253.9092	15.0056	0.0000	629.0493

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Giovanni Logistics Phase 2 COLD 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	4	48	50	0.73	Diesel
Fire Pump	1	4	48	50	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (50 - 75 HP)	1.9700e-003	6.4200e-003	7.1500e-003	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	0.9139	0.9139	1.3000e-004	0.0000	0.9171
Fire Pump - Diesel (50 - 75 HP)	1.9700e-003	6.4200e-003	7.1500e-003	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	0.9139	0.9139	1.3000e-004	0.0000	0.9171
Total	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342

Giovannoni Logistics Phase 2 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Giovannoni Logistics Phase 2 DRY 2030 Op - AIR-2c
Napa County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,329.10	1000sqft	30.51	1,329,096.00	0
Parking Lot	1,067.00	Space	42.69	1,859,789.00	0
City Park	17.29	Acre	17.29	753,152.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	184	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - CalEEMod Note 1
- Land Use - CalEEMod Note 2
- Construction Phase - CalEEMod Note 7
- Off-road Equipment - CalEEMod Note 7
- Trips and VMT -
- Grading -
- Vehicle Trips - CalEEMod Note 9
- Consumer Products -
- Energy Use -
- Construction Off-road Equipment Mitigation -
- Area Mitigation - CalEEMod Note 8
- Fleet Mix - CalEEMod Note 9
- Stationary Sources - Emergency Generators and Fire Pumps - CalEEMod Note 11

Giovannoni Logistics Phase 2 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblConstructionPhase	NumDays	60.00	0.00
tblFleetMix	HHD	0.01	0.00
tblFleetMix	LDA	0.57	0.63
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.17	0.18
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	6.9330e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.12	0.13
tblFleetMix	MH	3.2310e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.6620e-003	0.00
tblFleetMix	SBUS	1.7330e-003	0.00
tblFleetMix	UBUS	5.8900e-004	0.00
tblLandUse	LandUseSquareFeet	1,329,100.00	1,329,096.00
tblLandUse	LandUseSquareFeet	426,800.00	1,859,789.00
tblLandUse	LotAcreage	9.60	42.69
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	203.98	184
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	50.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	4.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	48.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CNW_TL	7.30	8.12
tblVehicleTrips	CW_TL	9.50	8.12
tblVehicleTrips	DV_TP	5.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	92.00	100.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.74	1.18
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.74	1.18
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	1.74	1.18

Giovannoni Logistics Phase 2 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.0519	2.0000e-004	0.0221	0.0000		8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0459
Energy	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170	0.0170	0.0170	0.0170	0.0000	686.5580	686.5580	0.0841	0.0141	692.8593
Mobile	0.2604	0.2469	3.7230	0.0118	1.6937	5.8600e-003	1.6995	0.4503	5.3900e-003	0.4557	0.0000	1,079.7759	1,079.7759	0.0287	0.0312	1,089.7852
Stationary	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	253.9092	0.0000	253.9092	15.0056	0.0000	629.0493
Water						0.0000	0.0000	0.0000	0.0000	0.0000	97.5094	144.8213	242.3306	10.0411	0.2396	564.7677
Total	6.3410	0.4841	3.9476	0.0131	1.6937	0.0238	1.7175	0.4503	0.0234	0.4737	351.4186	1,913.0261	2,264.4447	25.1599	0.2849	2,978.3416

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.6399	1.1000e-004	0.0128	0.0000		3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244
Energy	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170	0.0170	0.0170	0.0170	0.0000	686.5580	686.5580	0.0841	0.0141	692.8593
Mobile	0.2604	0.2469	3.7230	0.0118	1.6937	5.8600e-003	1.6995	0.4503	5.3900e-003	0.4557	0.0000	1,079.7759	1,079.7759	0.0287	0.0312	1,089.7852
Stationary	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	253.9092	0.0000	253.9092	15.0056	0.0000	629.0493
Water						0.0000	0.0000	0.0000	0.0000	0.0000	97.5094	144.8213	242.3306	10.0411	0.2396	564.7677
Total	5.9289	0.4840	3.9383	0.0131	1.6937	0.0238	1.7175	0.4503	0.0233	0.4736	351.4186	1,913.0062	2,264.4248	25.1598	0.2849	2,978.3201

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.50	0.02	0.24	0.00	0.00	0.21	0.00	0.00	0.21	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Giovannoni Logistics Phase 2 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2604	0.2469	3.7230	0.0118	1.6937	5.8600e-003	1.6995	0.4503	5.3900e-003	0.4557	0.0000	1,079.7759	1,079.7759	0.0287	0.0312	1,089.7852
Unmitigated	0.2604	0.2469	3.7230	0.0118	1.6937	5.8600e-003	1.6995	0.4503	5.3900e-003	0.4557	0.0000	1,079.7759	1,079.7759	0.0287	0.0312	1,089.7852

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,568.34	1,568.34	1,568.34	4,635,505	4,635,505
Total	1,568.34	1,568.34	1,568.34	4,635,505	4,635,505

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	8.12	7.30	8.12	59.00	0.00	41.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.571798	0.054112	0.166960	0.117788	0.026174	0.006933	0.012719	0.011244	0.001662	0.000589	0.025057	0.001733	0.003231
Parking Lot	0.571798	0.054112	0.166960	0.117788	0.026174	0.006933	0.012719	0.011244	0.001662	0.000589	0.025057	0.001733	0.003231
Unrefrigerated Warehouse-No Rail	0.627895	0.059421	0.183340	0.129344	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	442.5738	442.5738	0.0794	9.6200e-003	447.4253
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	442.5738	442.5738	0.0794	9.6200e-003	447.4253
Natural Gas Mitigated	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340
Natural Gas Unmitigated	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340

Giovannoni Logistics Phase 2 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated Warehouse-No Rall	4.57209e+006	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340
Total		0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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
Unrefrigerated Warehouse-No Rall	4.57209e+006	0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340
Total		0.0247	0.2241	0.1883	1.3400e-003		0.0170	0.0170		0.0170	0.0170	0.0000	243.9842	243.9842	4.6800e-003	4.4700e-003	245.4340

Giovannoni Logistics Phase 2 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	650926	54.3269	9.7400e-003	1.1800e-003	54.9225
Unrefrigerated Warehouse-No Rail	4.65184e+006	388.2469	0.0696	8.4400e-003	392.5028
Total		442.5738	0.0794	9.6200e-003	447.4253

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	650926	54.3269	9.7400e-003	1.1800e-003	54.9225
Unrefrigerated Warehouse-No Rail	4.65184e+006	388.2469	0.0696	8.4400e-003	392.5028
Total		442.5738	0.0794	9.6200e-003	447.4253

Giovannoni Logistics Phase 2 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.6399	1.1000e-004	0.0128	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244
Unmitigated	6.0519	2.0000e-004	0.0221	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0459

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7318					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0200e-003	2.0000e-004	0.0221	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0459
Total	6.0519	2.0000e-004	0.0221	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.0431	0.0431	1.1000e-004	0.0000	0.0459

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.3181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.6000e-004	1.1000e-004	0.0128	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244
Total	5.6399	1.1000e-004	0.0128	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0232	0.0232	5.0000e-005	0.0000	0.0244

Giovannoni Logistics Phase 2 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	242.3306	10.0411	0.2396	564.7677
Unmitigated	242.3306	10.0411	0.2396	564.7677

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 20.6007	6.0178	1.0800e-003	1.3000e-004	6.0837
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	307.354 / 0	236.3129	10.0400	0.2395	558.6840
Total		242.3306	10.0411	0.2396	564.7677

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 20.6007	6.0178	1.0800e-003	1.3000e-004	6.0837
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	307.354 / 0	236.3129	10.0400	0.2395	558.6840
Total		242.3306	10.0411	0.2396	564.7677

Giovannoni Logistics Phase 2 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	253.9092	15.0056	0.0000	629.0493
Unmitigated	253.9092	15.0056	0.0000	629.0493

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1249.35	253.6068	14.9877	0.0000	628.3000
Total		253.9092	15.0056	0.0000	629.0493

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	1.49	0.3025	0.0179	0.0000	0.7493
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1249.35	253.6068	14.9877	0.0000	628.3000
Total		253.9092	15.0056	0.0000	629.0493

Giovannoni Logistics Phase 2 DRY 2030 Op - AIR-2c - Napa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	4	48	50	0.73	Diesel
Fire Pump	1	4	48	50	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										Mt/yr					
Emergency Generator - Diesel (60 - 75 HP)	1.9700e-003	6.4200e-003	7.1500e-003	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004	0.0000	0.9139	0.9139	1.3000e-004	0.0000	0.9171
Fire Pump - Diesel (50 - 75 HP)	1.9700e-003	6.4200e-003	7.1500e-003	1.0000e-005		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	0.9139	0.9139	1.3000e-004	0.0000	0.9171
Total	3.9400e-003	0.0128	0.0143	2.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.8278	1.8278	2.6000e-004	0.0000	1.8342

TRU Emissions

Pollutant
PM10

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower	Fuel	HC_tpd	ROG_tpd
Napa	2022	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000208457	0.000252233
Napa	2022	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.004094973	0.004954917
Napa	2022	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.000543115	0.000657169
Napa	2022	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.25735E-05	1.52139E-05
Napa	2022	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.000130722	0.000158174
Napa	2022	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.002166897	0.002621946
Napa	2022	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000224302	0.000271405

PM10 Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)	Emissions (grams/year)
TRU - Instate Genset TRU	Aggregate	1.32066E-05	0.004820419	4376.940552
TRU - Instate Trailer TRU	Aggregate	0.000630634	0.23018155	209004.8473
TRU - Instate Truck TRU	Aggregate	0.000258749	0.09444353	85754.7254
TRU - Instate Van TRU	Aggregate	5.99023E-06	0.002186434	1985.281942
TRU - Out-of-State Genset TRU	Aggregate	8.29941E-06	0.003029284	2750.59003
TRU - Out-of-State Trailer TRU	Aggregate	0.000175741	0.064145632	58244.23417
TRU - Railcar TRU	Aggregate	1.81915E-05	0.006639899	6029.028553

Pollutant
PM10

TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000300178	0.00397402	0.002949748	0.081098192	1.32066E-05	1.21501E-05	7.48568E-07
0.00589676	0.061007729	0.039868714	0.939294683	0.000630634	0.000580184	8.61965E-06
0.000782085	0.005317827	0.00637774	0.127608419	0.000258749	0.000238049	1.17142E-06
1.81058E-05	0.000123111	0.000147649	0.002954224	5.99023E-06	5.51101E-06	2.71193E-08
0.00018824	0.002498076	0.001857468	0.051102178	8.29941E-06	7.63546E-06	4.71712E-07
0.003120332	0.035064922	0.023131297	0.586755699	0.000175741	0.000161682	5.39623E-06
0.000322995	0.003629671	0.002394387	0.060736774	1.81915E-05	1.67362E-05	5.58579E-07

Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
976877.5028	0.004480542	31011.98422	31.5
8116838.561	0.025749539	238730.5459	34
905803.8784	0.094672509	64241.40982	14.1
20969.99388	0.094672509	2329.99932	9
615557.108	0.004468456	19541.49549	31.5
5070401.618	0.011487105	149129.4594	34
524851.8856	0.011487105	15436.82017	34

Weighted by Usage 0.022681217

Weighted by Activity

Pollutant
PM10

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
6.66352E-07	51.47819451	31011.98422	39.72225341	976877.5028
7.71782E-06	596.2302392	238730.5459	180.1899116	8116838.561
1.04851E-06	81.00120162	64241.40982	47.20162367	905803.8784
2.42737E-08	1.875234521	2329.99932	1.711975988	20969.99388
4.19887E-07	32.43781175	19541.49549	158.0465477	615557.108
4.82114E-06	372.4512625	149129.4594	710.7368253	5070401.618
4.9905E-07	38.55350368	15436.82017	47.87650084	524851.8856

Emission Rate grams/hr	Fuel Consumption gallons/year	Fuel Rate gallons/hr
0.141137069	51.47819451	0.001659945
0.87548431	596.2302392	0.002497503
1.33488237	81.00120162	0.001260888
0.852052584	1.875234521	0.000804822
0.140756373	32.43781175	0.001659945
0.390561559	372.4512625	0.002497503
0.390561559	38.55350368	0.002497503
Weighted 0.707398707	Total 1174.027448	Weighted 0.002255916

TRU Emissions

Pollutant
PM2.5

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2022	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000208457
Napa	2022	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.004094973
Napa	2022	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.000543115
Napa	2022	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.25735E-05
Napa	2022	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.000130722
Napa	2022	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.002166897
Napa	2022	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000224302

PM2.5 Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	1.21501E-05	0.004434786
TRU - Instate Trailer TRU	Aggregate	0.000580184	0.211767026
TRU - Instate Truck TRU	Aggregate	0.000238049	0.086888048
TRU - Instate Van TRU	Aggregate	5.51101E-06	0.002011519
TRU - Out-of-State Genset TRU	Aggregate	7.63546E-06	0.002786941
TRU - Out-of-State Trailer TRU	Aggregate	0.000161682	0.059013982
TRU - Railcar TRU	Aggregate	1.67362E-05	0.006108707

Pollutant
PM2.5

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000252233	0.000300178	0.00397402	0.002949748	0.081098192	1.32066E-05	1.21501E-05	7.48568E-07
0.004954917	0.00589676	0.061007729	0.039868714	0.939294683	0.000630634	0.000580184	8.61965E-06
0.000657169	0.000782085	0.005317827	0.00637774	0.127608419	0.000258749	0.000238049	1.17142E-06
1.52139E-05	1.81058E-05	0.000123111	0.000147649	0.002954224	5.99023E-06	5.51101E-06	2.71193E-08
0.000158174	0.00018824	0.002498076	0.001857468	0.051102178	8.29941E-06	7.63546E-06	4.71712E-07
0.002621946	0.003120332	0.035064922	0.023131297	0.586755699	0.000175741	0.000161682	5.39623E-06
0.000271405	0.000322995	0.003629671	0.002394387	0.060736774	1.81915E-05	1.67362E-05	5.58579E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
4026.785308	976877.5028	0.004122099	31011.98422	31.5
192284.4596	8116838.561	0.023689575	238730.5459	34
78894.34736	905803.8784	0.087098708	64241.40982	14.1
1826.459387	20969.99388	0.087098709	2329.99932	9
2530.542827	615557.108	0.00411098	19541.49549	31.5
53584.69543	5070401.618	0.010568136	149129.4594	34
5546.706268	524851.8856	0.010568136	15436.82017	34

Weighted by Usage

0.02086672

Weighted by Activity

Pollutant
PM2.5

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
6.66352E-07	51.47819451	31011.98422	39.72225341	976877.5028
7.71782E-06	596.2302392	238730.5459	180.1899116	8116838.561
1.04851E-06	81.00120162	64241.40982	47.20162367	905803.8784
2.42737E-08	1.875234521	2329.99932	1.711975988	20969.99388
4.19887E-07	32.43781175	19541.49549	158.0465477	615557.108
4.82114E-06	372.4512625	149129.4594	710.7368253	5070401.618
4.9905E-07	38.55350368	15436.82017	47.87650084	524851.8856

Emission Rate
grams/hr

0.129846103
0.805445565
1.228091781
0.783888378
0.129495863
0.359316634
0.359316634

Weighted
0.650806811

TRU Emissions

Pollutant

NOx

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin
Napa	2022	TRU - Instate Genset TRU	Aggregate	Aggregate
Napa	2022	TRU - Instate Trailer TRU	Aggregate	Aggregate
Napa	2022	TRU - Instate Truck TRU	Aggregate	Aggregate
Napa	2022	TRU - Instate Van TRU	Aggregate	Aggregate
Napa	2022	TRU - Out-of-State Genset TRU	Aggregate	Aggregate
Napa	2022	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate
Napa	2022	TRU - Railcar TRU	Aggregate	Aggregate

NOx Emissions

Vehicle Category	Horsepower
TRU - Instate Genset TRU	Aggregate
TRU - Instate Trailer TRU	Aggregate
TRU - Instate Truck TRU	Aggregate
TRU - Instate Van TRU	Aggregate
TRU - Out-of-State Genset TRU	Aggregate
TRU - Out-of-State Trailer TRU	Aggregate
TRU - Railcar TRU	Aggregate

Pollutant
NOx

Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd
Diesel	0.000208457	0.000252233	0.000300178	0.00397402	0.002949748	0.081098192	1.32066E-05
Diesel	0.004094973	0.004954917	0.00589676	0.061007729	0.039868714	0.939294683	0.000630634
Diesel	0.000543115	0.000657169	0.000782085	0.005317827	0.00637774	0.127608419	0.000258749
Diesel	1.25735E-05	1.52139E-05	1.81058E-05	0.000123111	0.000147649	0.002954224	5.99023E-06
Diesel	0.000130722	0.000158174	0.00018824	0.002498076	0.001857468	0.051102178	8.29941E-06
Diesel	0.002166897	0.002621946	0.003120332	0.035064922	0.023131297	0.586755699	0.000175741
Diesel	0.000224302	0.000271405	0.000322995	0.003629671	0.002394387	0.060736774	1.81915E-05

Emissions (t/d)	Emissions (t/yr)	Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)
0.002949748	1.076658156	977605.6054	976877.5028	1.000745337	31011.98422
0.039868714	14.5520806	13213289.19	8116838.561	1.627886164	238730.5459
0.00637774	2.327875009	2113710.508	905803.8784	2.333518942	64241.40982
0.000147649	0.053891936	48933.87794	20969.99388	2.333518942	2329.99932
0.001857468	0.677975652	615601.8923	615557.108	1.000072754	19541.49549
0.023131297	8.44292335	7666174.402	5070401.618	1.511946189	149129.4594
0.002394387	0.873951331	793547.8081	524851.8856	1.511946189	15436.82017

Weighted by Usage 1.566655931

Pollutant
NOx

PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
1.21501E-05	7.48568E-07	6.66352E-07	51.47819451	31011.98422	39.72225341	976877.5028
0.000580184	8.61965E-06	7.71782E-06	596.2302392	238730.5459	180.1899116	8116838.561
0.000238049	1.17142E-06	1.04851E-06	81.00120162	64241.40982	47.20162367	905803.8784
5.51101E-06	2.71193E-08	2.42737E-08	1.875234521	2329.99932	1.711975988	20969.99388
7.63546E-06	4.71712E-07	4.19887E-07	32.43781175	19541.49549	158.0465477	615557.108
0.000161682	5.39623E-06	4.82114E-06	372.4512625	149129.4594	710.7368253	5070401.618
1.67362E-05	5.58579E-07	4.9905E-07	38.55350368	15436.82017	47.87650084	524851.8856

Horsepower (HP)	Emission Rate grams/hr
31.5	31.5234781
34	55.34812956
14.1	32.90261709
9	21.00167048
31.5	31.50229175
34	51.40617041
34	51.40617041
Weighted by Activity	Weighted 48.86203358

TRU Emissions

Pollutant
CO

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2022	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000208457
Napa	2022	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.004094973
Napa	2022	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.000543115
Napa	2022	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.25735E-05
Napa	2022	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.000130722
Napa	2022	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.002166897
Napa	2022	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000224302

CO Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	0.00397402	1.450517148
TRU - Instate Trailer TRU	Aggregate	0.061007729	22.2678209
TRU - Instate Truck TRU	Aggregate	0.005317827	1.941006813
TRU - Instate Van TRU	Aggregate	0.000123111	0.044935666
TRU - Out-of-State Genset TRU	Aggregate	0.002498076	0.911797789
TRU - Out-of-State Trailer TRU	Aggregate	0.035064922	12.7986964
TRU - Railcar TRU	Aggregate	0.003629671	1.324829953

Pollutant
CO

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000252233	0.000300178	0.00397402	0.002949748	0.081098192	1.32066E-05	1.21501E-05	7.48568E-07
0.004954917	0.00589676	0.061007729	0.039868714	0.939294683	0.000630634	0.000580184	8.61965E-06
0.000657169	0.000782085	0.005317827	0.00637774	0.127608419	0.000258749	0.000238049	1.17142E-06
1.52139E-05	1.81058E-05	0.000123111	0.000147649	0.002954224	5.99023E-06	5.51101E-06	2.71193E-08
0.000158174	0.00018824	0.002498076	0.001857468	0.051102178	8.29941E-06	7.63546E-06	4.71712E-07
0.002621946	0.003120332	0.035064922	0.023131297	0.586755699	0.000175741	0.000161682	5.39623E-06
0.000271405	0.000322995	0.003629671	0.002394387	0.060736774	1.81915E-05	1.67362E-05	5.58579E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
1317069.57	976877.5028	1.348244346	31011.98422	31.5
20219181.38	8116838.561	2.49101682	238730.5459	34
1762434.186	905803.8784	1.945712784	64241.40982	14.1
40801.58518	20969.99388	1.945712784	2329.99932	9
827912.3921	615557.108	1.344980638	19541.49549	31.5
11621216.33	5070401.618	2.291971564	149129.4594	34
1202945.597	524851.8856	2.291971564	15436.82017	34

Weighted by Usage 2.279026313

Weighted by Activity

Pollutant
CO

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hpy
6.66352E-07	51.47819451	31011.98422	39.72225341	976877.5028
7.71782E-06	596.2302392	238730.5459	180.1899116	8116838.561
1.04851E-06	81.00120162	64241.40982	47.20162367	905803.8784
2.42737E-08	1.875234521	2329.99932	1.711975988	20969.99388
4.19887E-07	32.43781175	19541.49549	158.0465477	615557.108
4.82114E-06	372.4512625	149129.4594	710.7368253	5070401.618
4.9905E-07	38.55350368	15436.82017	47.87650084	524851.8856

Emission Rate
grams/hr

42.46969691
84.69457187
27.43455026
17.51141506
42.36689011
77.92703318
77.92703318

Weighted
71.0799723

TRU Emissions

Pollutant
ROG

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2022	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000208457
Napa	2022	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.004094973
Napa	2022	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.000543115
Napa	2022	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.25735E-05
Napa	2022	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.000130722
Napa	2022	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.002166897
Napa	2022	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000224302

ROG Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	0.000252233	0.092065067
TRU - Instate Trailer TRU	Aggregate	0.004954917	1.808544616
TRU - Instate Truck TRU	Aggregate	0.000657169	0.239866639
TRU - Instate Van TRU	Aggregate	1.52139E-05	0.005553081
TRU - Out-of-State Genset TRU	Aggregate	0.000158174	0.057733347
TRU - Out-of-State Trailer TRU	Aggregate	0.002621946	0.957010119
TRU - Railcar TRU	Aggregate	0.000271405	0.099062876

Pollutant
ROG

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000252233	0.000300178	0.00397402	0.002949748	0.081098192	1.32066E-05	1.21501E-05	7.48568E-07
0.004954917	0.00589676	0.061007729	0.039868714	0.939294683	0.000630634	0.000580184	8.61965E-06
0.000657169	0.000782085	0.005317827	0.00637774	0.127608419	0.000258749	0.000238049	1.17142E-06
1.52139E-05	1.81058E-05	0.000123111	0.000147649	0.002954224	5.99023E-06	5.51101E-06	2.71193E-08
0.000158174	0.00018824	0.002498076	0.001857468	0.051102178	8.29941E-06	7.63546E-06	4.71712E-07
0.002621946	0.003120332	0.035064922	0.023131297	0.586755699	0.000175741	0.000161682	5.39623E-06
0.000271405	0.000322995	0.003629671	0.002394387	0.060736774	1.81915E-05	1.67362E-05	5.58579E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
83595.08058	976877.5028	0.08557376	31011.98422	31.5
1642158.512	8116838.561	0.202315039	238730.5459	34
217798.9084	905803.8784	0.240448196	64241.40982	14.1
5042.197197	20969.99388	0.240448196	2329.99932	9
52421.87892	615557.108	0.085161682	19541.49549	31.5
868965.1877	5070401.618	0.171379952	149129.4594	34
89949.09114	524851.8856	0.171379952	15436.82017	34
	Weighted by Usage	0.182359439		Weighted by Activity

Pollutant
ROG

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
6.66352E-07	51.47819451	31011.98422	39.72225341	976877.5028
7.71782E-06	596.2302392	238730.5459	180.1899116	8116838.561
1.04851E-06	81.00120162	64241.40982	47.20162367	905803.8784
2.42737E-08	1.875234521	2329.99932	1.711975988	20969.99388
4.19887E-07	32.43781175	19541.49549	158.0465477	615557.108
4.82114E-06	372.4512625	149129.4594	710.7368253	5070401.618
4.9905E-07	38.55350368	15436.82017	47.87650084	524851.8856

Emission Rate
grams/hr

2.695573427
6.878711332
3.390319563
2.164033763
2.682592995
5.826918379
5.826918379

Weighted
5.687562172

TRU Emissions

Pollutant
SOx

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2022	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000208457
Napa	2022	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.004094973
Napa	2022	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.000543115
Napa	2022	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.25735E-05
Napa	2022	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.000130722
Napa	2022	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.002166897
Napa	2022	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000224302

SOx Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	7.48568E-07	0.000273227
TRU - Instate Trailer TRU	Aggregate	8.61965E-06	0.00314617
TRU - Instate Truck TRU	Aggregate	1.17142E-06	0.000427569
TRU - Instate Van TRU	Aggregate	2.71193E-08	9.89853E-06
TRU - Out-of-State Genset TRU	Aggregate	4.71712E-07	0.000172175
TRU - Out-of-State Trailer TRU	Aggregate	5.39623E-06	0.001969623
TRU - Railcar TRU	Aggregate	5.58579E-07	0.000203881

Pollutant
SOx

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000252233	0.000300178	0.00397402	0.002949748	0.081098192	1.32066E-05	1.21501E-05	7.48568E-07
0.004954917	0.00589676	0.061007729	0.039868714	0.939294683	0.000630634	0.000580184	8.61965E-06
0.000657169	0.000782085	0.005317827	0.00637774	0.127608419	0.000258749	0.000238049	1.17142E-06
1.52139E-05	1.81058E-05	0.000123111	0.000147649	0.002954224	5.99023E-06	5.51101E-06	2.71193E-08
0.000158174	0.00018824	0.002498076	0.001857468	0.051102178	8.29941E-06	7.63546E-06	4.71712E-07
0.002621946	0.003120332	0.035064922	0.023131297	0.586755699	0.000175741	0.000161682	5.39623E-06
0.000271405	0.000322995	0.003629671	0.002394387	0.060736774	1.81915E-05	1.67362E-05	5.58579E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
248.0905657	976877.5028	0.000253963	31011.98422	31.5
2856.722749	8116838.561	0.00035195	238730.5459	34
388.2330525	905803.8784	0.000428606	64241.40982	14.1
8.98786694	20969.99388	0.000428606	2329.99932	9
156.3349082	615557.108	0.000253973	19541.49549	31.5
1788.41766	5070401.618	0.000352717	149129.4594	34
185.1242667	524851.8856	0.000352717	15436.82017	34

Weighted by Usage 0.000346978

Weighted by Activity

Pollutant
SOx

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
6.66352E-07	51.47819451	31011.98422	39.72225341	976877.5028
7.71782E-06	596.2302392	238730.5459	180.1899116	8116838.561
1.04851E-06	81.00120162	64241.40982	47.20162367	905803.8784
2.42737E-08	1.875234521	2329.99932	1.711975988	20969.99388
4.19887E-07	32.43781175	19541.49549	158.0465477	615557.108
4.82114E-06	372.4512625	149129.4594	710.7368253	5070401.618
4.9905E-07	38.55350368	15436.82017	47.87650084	524851.8856

Emission Rate
grams/hr

0.007999829
0.011966306
0.006043346
0.003857455
0.008000151
0.011992383
0.011992383

Weighted
0.010821822

TRU Emissions

Pollutant
SOx

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2022	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000208457
Napa	2022	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.004094973
Napa	2022	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.000543115
Napa	2022	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.25735E-05
Napa	2022	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.000130722
Napa	2022	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.002166897
Napa	2022	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000224302

SOx Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	0.081098192	29.60084007
TRU - Instate Trailer TRU	Aggregate	0.939294683	342.8425593
TRU - Instate Truck TRU	Aggregate	0.127608419	46.57707282
TRU - Instate Van TRU	Aggregate	0.002954224	1.078291841
TRU - Out-of-State Genset TRU	Aggregate	0.051102178	18.65229515
TRU - Out-of-State Trailer TRU	Aggregate	0.586755699	214.16583
TRU - Railcar TRU	Aggregate	0.060736774	22.16892234

Pollutant
SOx

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000252233	0.000300178	0.00397402	0.002949748	0.081098192	1.32066E-05	1.21501E-05	7.48568E-07
0.004954917	0.00589676	0.061007729	0.039868714	0.939294683	0.000630634	0.000580184	8.61965E-06
0.000657169	0.000782085	0.005317827	0.00637774	0.127608419	0.000258749	0.000238049	1.17142E-06
1.52139E-05	1.81058E-05	0.000123111	0.000147649	0.002954224	5.99023E-06	5.51101E-06	2.71193E-08
0.000158174	0.00018824	0.002498076	0.001857468	0.051102178	8.29941E-06	7.63546E-06	4.71712E-07
0.002621946	0.003120332	0.035064922	0.023131297	0.586755699	0.000175741	0.000161682	5.39623E-06
0.000271405	0.000322995	0.003629671	0.002394387	0.060736774	1.81915E-05	1.67362E-05	5.58579E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
26877562.78	976877.5028	27.51374937	31011.98422	31.5
311301043.8	8116838.561	38.35249913	238730.5459	34
42291982.12	905803.8784	46.68999894	64241.40982	14.1
979088.9919	20969.99388	46.68999894	2329.99932	9
16936284	615557.108	27.51374937	19541.49549	31.5
194462573.6	5070401.618	38.35249913	149129.4594	34
20129381.49	524851.8856	38.35249913	15436.82017	34

Weighted by Usage 37.76517569

Weighted by Activity

Pollutant
SOx

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hpy
6.66352E-07	51.47819451	31011.98422	39.72225341	976877.5028
7.71782E-06	596.2302392	238730.5459	180.1899116	8116838.561
1.04851E-06	81.00120162	64241.40982	47.20162367	905803.8784
2.42737E-08	1.875234521	2329.99932	1.711975988	20969.99388
4.19887E-07	32.43781175	19541.49549	158.0465477	615557.108
4.82114E-06	372.4512625	149129.4594	710.7368253	5070401.618
4.9905E-07	38.55350368	15436.82017	47.87650084	524851.8856

Emission Rate
grams/hr

866.6831053
1303.98497
658.328985
420.2099904
866.6831053
1303.98497
1303.98497

Weighted
1177.848464

TRU Emissions

Pollutant
PM10

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower	Fuel	HC_tpd	ROG_tpd
Napa	2023	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000221433	0.000267934
Napa	2023	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.004403344	0.005328047
Napa	2023	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.000553592	0.000669847
Napa	2023	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.28161E-05	1.55074E-05
Napa	2023	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.000139314	0.00016857
Napa	2023	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.00231398	0.002799916
Napa	2023	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000239527	0.000289827

PM10 Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)	Emissions (grams/year)
TRU - Instate Genset TRU	Aggregate	1.3884E-05	0.005067657	4601.432458
TRU - Instate Trailer TRU	Aggregate	0.000580012	0.211704265	192227.4723
TRU - Instate Truck TRU	Aggregate	0.00026125	0.095356267	86583.49051
TRU - Instate Van TRU	Aggregate	6.04812E-06	0.002207564	2004.468434
TRU - Out-of-State Genset TRU	Aggregate	8.74097E-06	0.003190454	2896.932578
TRU - Out-of-State Trailer TRU	Aggregate	0.000161647	0.059001115	53573.01283
TRU - Railcar TRU	Aggregate	1.67325E-05	0.006107376	5545.496969

Pollutant
PM10

TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000318863	0.004172152	0.003070126	0.08412578	1.3884E-05	1.27733E-05	7.76359E-07
0.006340816	0.064716334	0.040799026	0.959017359	0.000580012	0.000533611	8.79396E-06
0.000797173	0.00542842	0.006500719	0.130287854	0.00026125	0.00024035	1.19605E-06
1.84551E-05	0.000125672	0.000150496	0.003016255	6.04812E-06	5.56427E-06	2.76893E-08
0.000200612	0.002626905	0.001934141	0.053009944	8.74097E-06	8.04169E-06	4.89211E-07
0.003332132	0.036843906	0.023713261	0.601915602	0.000161647	0.000148715	5.53292E-06
0.000344919	0.003813819	0.002454628	0.062306019	1.67325E-05	1.53939E-05	5.72728E-07

Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
1013346.658	0.004540828	32169.73519	31.5
8287270.465	0.023195511	243743.249	34
924823.3375	0.093621654	65590.30763	14.1
21410.30767	0.093621655	2378.923075	9
638537.3157	0.004536826	20271.0259	31.5
5201404.689	0.01029972	152982.4909	34
538412.3911	0.01029972	15835.65856	34

Weighted by Usage 0.020897926

Weighted by Activity

Pollutant
PM10

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
6.91229E-07	53.39999768	32169.73519	41.2051794	1013346.658
7.87987E-06	608.7494798	243743.249	183.9734179	8287270.465
1.07052E-06	82.70201024	65590.30763	48.19273154	924823.3375
2.47834E-08	1.914609431	2378.923075	1.747922906	21410.30767
4.35562E-07	33.64879225	20271.0259	163.9468004	638537.3157
4.94571E-06	382.07422	152982.4909	729.1000072	5201404.689
5.11944E-07	39.54960374	15835.65856	49.11347754	538412.3911

Emission Rate grams/hr	Fuel Consumption gallons/year	Fuel Rate gallons/hr
0.143036069	53.39999768	0.001659945
0.78864737	608.7494798	0.002497503
1.320065321	82.70201024	0.001260888
0.842594893	1.914609431	0.000804822
0.142910013	33.64879225	0.001659945
0.350190486	382.07422	0.002497503
0.350190486	39.54960374	0.002497503
Weighted 0.651877967	Total	Weighted
	1202.038713	0.002255353

TRU Emissions

Pollutant
PM2.5

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2023	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000221433
Napa	2023	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.004403344
Napa	2023	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.000553592
Napa	2023	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.28161E-05
Napa	2023	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.000139314
Napa	2023	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.00231398
Napa	2023	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000239527

PM2.5 Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	1.27733E-05	0.004662244
TRU - Instate Trailer TRU	Aggregate	0.000533611	0.194767923
TRU - Instate Truck TRU	Aggregate	0.00024035	0.087727766
TRU - Instate Van TRU	Aggregate	5.56427E-06	0.002030959
TRU - Out-of-State Genset TRU	Aggregate	8.04169E-06	0.002935218
TRU - Out-of-State Trailer TRU	Aggregate	0.000148715	0.054281026
TRU - Railcar TRU	Aggregate	1.53939E-05	0.005618785

Pollutant
PM2.5

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000267934	0.000318863	0.004172152	0.003070126	0.08412578	1.3884E-05	1.27733E-05	7.76359E-07
0.005328047	0.006340816	0.064716334	0.040799026	0.959017359	0.000580012	0.000533611	8.79396E-06
0.000669847	0.000797173	0.00542842	0.006500719	0.130287854	0.00026125	0.00024035	1.19605E-06
1.55074E-05	1.84551E-05	0.000125672	0.000150496	0.003016255	6.04812E-06	5.56427E-06	2.76893E-08
0.00016857	0.000200612	0.002626905	0.001934141	0.053009944	8.74097E-06	8.04169E-06	4.89211E-07
0.002799916	0.003332132	0.036843906	0.023713261	0.601915602	0.000161647	0.000148715	5.53292E-06
0.000289827	0.000344919	0.003813819	0.002454628	0.062306019	1.67325E-05	1.53939E-05	5.72728E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
4233.317861	1013346.658	0.004177561	32169.73519	31.5
176849.2745	8287270.465	0.02133987	243743.249	34
79656.81127	924823.3375	0.086131922	65590.30763	14.1
1844.11096	21410.30767	0.086131922	2378.923075	9
2665.177971	638537.3157	0.00417388	20271.0259	31.5
49287.17181	5201404.689	0.009475743	152982.4909	34
5101.857211	538412.3911	0.009475743	15835.65856	34

Weighted by Usage 0.019226092

Weighted by Activity

Pollutant
PM2.5

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
6.91229E-07	53.39999768	32169.73519	41.2051794	1013346.658
7.87987E-06	608.7494798	243743.249	183.9734179	8287270.465
1.07052E-06	82.70201024	65590.30763	48.19273154	924823.3375
2.47834E-08	1.914609431	2378.923075	1.747922906	21410.30767
4.35562E-07	33.64879225	20271.0259	163.9468004	638537.3157
4.94571E-06	382.07422	152982.4909	729.1000072	5201404.689
5.11944E-07	39.54960374	15835.65856	49.11347754	538412.3911

Emission Rate
grams/hr

0.131593183
0.725555581
1.214460096
0.775187302
0.131477212
0.322175247
0.322175247

Weighted
0.599727729

TRU Emissions

Pollutant

NOx

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin
Napa	2023	TRU - Instate Genset TRU	Aggregate	Aggregate
Napa	2023	TRU - Instate Trailer TRU	Aggregate	Aggregate
Napa	2023	TRU - Instate Truck TRU	Aggregate	Aggregate
Napa	2023	TRU - Instate Van TRU	Aggregate	Aggregate
Napa	2023	TRU - Out-of-State Genset TRU	Aggregate	Aggregate
Napa	2023	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate
Napa	2023	TRU - Railcar TRU	Aggregate	Aggregate

NOx Emissions

Vehicle Category	Horsepower
TRU - Instate Genset TRU	Aggregate
TRU - Instate Trailer TRU	Aggregate
TRU - Instate Truck TRU	Aggregate
TRU - Instate Van TRU	Aggregate
TRU - Out-of-State Genset TRU	Aggregate
TRU - Out-of-State Trailer TRU	Aggregate
TRU - Railcar TRU	Aggregate

Pollutant
NOx

Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd
Diesel	0.000221433	0.000267934	0.000318863	0.004172152	0.003070126	0.08412578	1.3884E-05
Diesel	0.004403344	0.005328047	0.006340816	0.064716334	0.040799026	0.959017359	0.000580012
Diesel	0.000553592	0.000669847	0.000797173	0.00542842	0.006500719	0.130287854	0.00026125
Diesel	1.28161E-05	1.55074E-05	1.84551E-05	0.000125672	0.000150496	0.003016255	6.04812E-06
Diesel	0.000139314	0.00016857	0.000200612	0.002626905	0.001934141	0.053009944	8.74097E-06
Diesel	0.00231398	0.002799916	0.003332132	0.036843906	0.023713261	0.601915602	0.000161647
Diesel	0.000239527	0.000289827	0.000344919	0.003813819	0.002454628	0.062306019	1.67325E-05

Emissions (t/d)	Emissions (t/yr)	Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)
0.003070126	1.120596167	1017501.32	1013346.658	1.004099941	32169.73519
0.040799026	14.89164462	13521613.31	8287270.465	1.631612407	243743.249
0.006500719	2.372762376	2154468.238	924823.3375	2.329599774	65590.30763
0.000150496	0.05493111	49877.4479	21410.30767	2.329599774	2378.923075
0.001934141	0.705961607	641013.139	638537.3157	1.003877335	20271.0259
0.023713261	8.65534022	7859048.92	5201404.689	1.510947405	152982.4909
0.002454628	0.895939213	813512.8053	538412.3911	1.510947405	15835.65856

Weighted by Usage 1.56732112

Pollutant
NOx

PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
1.27733E-05	7.76359E-07	6.91229E-07	53.39999768	32169.73519	41.2051794	1013346.658
0.000533611	8.79396E-06	7.87987E-06	608.7494798	243743.249	183.9734179	8287270.465
0.00024035	1.19605E-06	1.07052E-06	82.70201024	65590.30763	48.19273154	924823.3375
5.56427E-06	2.76893E-08	2.47834E-08	1.914609431	2378.923075	1.747922906	21410.30767
8.04169E-06	4.89211E-07	4.35562E-07	33.64879225	20271.0259	163.9468004	638537.3157
0.000148715	5.53292E-06	4.94571E-06	382.07422	152982.4909	729.1000072	5201404.689
1.53939E-05	5.72728E-07	5.11944E-07	39.54960374	15835.65856	49.11347754	538412.3911

Horsepower (HP)	Emission Rate grams/hr
31.5	31.62914814
34	55.47482185
14.1	32.84735681
9	20.96639796
31.5	31.62213606
34	51.37221178
34	51.37221178
Weighted by Activity	Weighted 48.89011993

TRU Emissions

Pollutant
CO

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2023	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000221433
Napa	2023	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.004403344
Napa	2023	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.000553592
Napa	2023	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.28161E-05
Napa	2023	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.000139314
Napa	2023	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.00231398
Napa	2023	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000239527

CO Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	0.004172152	1.522835404
TRU - Instate Trailer TRU	Aggregate	0.064716334	23.62146174
TRU - Instate Truck TRU	Aggregate	0.00542842	1.981373405
TRU - Instate Van TRU	Aggregate	0.000125672	0.045870181
TRU - Out-of-State Genset TRU	Aggregate	0.002626905	0.958820478
TRU - Out-of-State Trailer TRU	Aggregate	0.036843906	13.44802573
TRU - Railcar TRU	Aggregate	0.003813819	1.392043904

Pollutant
CO

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000267934	0.000318863	0.004172152	0.003070126	0.08412578	1.3884E-05	1.27733E-05	7.76359E-07
0.005328047	0.006340816	0.064716334	0.040799026	0.959017359	0.000580012	0.000533611	8.79396E-06
0.000669847	0.000797173	0.00542842	0.006500719	0.130287854	0.00026125	0.00024035	1.19605E-06
1.55074E-05	1.84551E-05	0.000125672	0.000150496	0.003016255	6.04812E-06	5.56427E-06	2.76893E-08
0.00016857	0.000200612	0.002626905	0.001934141	0.053009944	8.74097E-06	8.04169E-06	4.89211E-07
0.002799916	0.003332132	0.036843906	0.023713261	0.601915602	0.000161647	0.000148715	5.53292E-06
0.000289827	0.000344919	0.003813819	0.002454628	0.062306019	1.67325E-05	1.53939E-05	5.72728E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
1382734.547	1013346.658	1.364522728	32169.73519	31.5
21448287.26	8287270.465	2.58810031	243743.249	34
1799087.052	924823.3375	1.945330507	65590.30763	14.1
41650.12467	21410.30767	1.945330507	2378.923075	9
870608.9941	638537.3157	1.363442625	20271.0259	31.5
12210807.37	5201404.689	2.347598023	152982.4909	34
1263975.865	538412.3911	2.347598023	15835.65856	34

Weighted by Usage 2.346867351

Weighted by Activity

Pollutant
CO

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hpy
6.91229E-07	53.39999768	32169.73519	41.2051794	1013346.658
7.87987E-06	608.7494798	243743.249	183.9734179	8287270.465
1.07052E-06	82.70201024	65590.30763	48.19273154	924823.3375
2.47834E-08	1.914609431	2378.923075	1.747922906	21410.30767
4.35562E-07	33.64879225	20271.0259	163.9468004	638537.3157
4.94571E-06	382.07422	152982.4909	729.1000072	5201404.689
5.11944E-07	39.54960374	15835.65856	49.11347754	538412.3911

Emission Rate
grams/hr

42.98246595
87.99541054
27.42916015
17.50797456
42.9484427
79.81833278
79.81833278

Weighted
73.20683985

TRU Emissions

Pollutant
ROG

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2023	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000221433
Napa	2023	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.004403344
Napa	2023	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.000553592
Napa	2023	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.28161E-05
Napa	2023	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.000139314
Napa	2023	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.00231398
Napa	2023	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000239527

ROG Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	0.000267934	0.097795857
TRU - Instate Trailer TRU	Aggregate	0.005328047	1.94473699
TRU - Instate Truck TRU	Aggregate	0.000669847	0.244494119
TRU - Instate Van TRU	Aggregate	1.55074E-05	0.00566021
TRU - Out-of-State Genset TRU	Aggregate	0.00016857	0.061527928
TRU - Out-of-State Trailer TRU	Aggregate	0.002799916	1.021969458
TRU - Railcar TRU	Aggregate	0.000289827	0.105787004

Pollutant
 ROG

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000267934	0.000318863	0.004172152	0.003070126	0.08412578	1.3884E-05	1.27733E-05	7.76359E-07
0.005328047	0.006340816	0.064716334	0.040799026	0.959017359	0.000580012	0.000533611	8.79396E-06
0.000669847	0.000797173	0.00542842	0.006500719	0.130287854	0.00026125	0.00024035	1.19605E-06
1.55074E-05	1.84551E-05	0.000125672	0.000150496	0.003016255	6.04812E-06	5.56427E-06	2.76893E-08
0.00016857	0.000200612	0.002626905	0.001934141	0.053009944	8.74097E-06	8.04169E-06	4.89211E-07
0.002799916	0.003332132	0.036843906	0.023713261	0.601915602	0.000161647	0.000148715	5.53292E-06
0.000289827	0.000344919	0.003813819	0.002454628	0.062306019	1.67325E-05	1.53939E-05	5.72728E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
88798.6377	1013346.658	0.087629082	32169.73519	31.5
1765821.187	8287270.465	0.213076331	243743.249	34
222000.6604	924823.3375	0.24004656	65590.30763	14.1
5139.470696	21410.30767	0.24004656	2378.923075	9
55867.35879	638537.3157	0.087492708	20271.0259	31.5
927948.2678	5201404.689	0.178403397	152982.4909	34
96054.59977	538412.3911	0.178403397	15835.65856	34

Weighted by Usage 0.190170897

Weighted by Activity

Pollutant
ROG

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hpy
6.91229E-07	53.39999768	32169.73519	41.2051794	1013346.658
7.87987E-06	608.7494798	243743.249	183.9734179	8287270.465
1.07052E-06	82.70201024	65590.30763	48.19273154	924823.3375
2.47834E-08	1.914609431	2378.923075	1.747922906	21410.30767
4.35562E-07	33.64879225	20271.0259	163.9468004	638537.3157
4.94571E-06	382.07422	152982.4909	729.1000072	5201404.689
5.11944E-07	39.54960374	15835.65856	49.11347754	538412.3911

Emission Rate
grams/hr

2.760316092
7.244595261
3.38465649
2.160419036
2.756020296
6.065715511
6.065715511

Weighted
5.932082359

TRU Emissions

Pollutant
SOx

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2023	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000221433
Napa	2023	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.004403344
Napa	2023	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.000553592
Napa	2023	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.28161E-05
Napa	2023	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.000139314
Napa	2023	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.00231398
Napa	2023	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000239527

SOx Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	7.76359E-07	0.000283371
TRU - Instate Trailer TRU	Aggregate	8.79396E-06	0.003209796
TRU - Instate Truck TRU	Aggregate	1.19605E-06	0.000436557
TRU - Instate Van TRU	Aggregate	2.76893E-08	1.01066E-05
TRU - Out-of-State Genset TRU	Aggregate	4.89211E-07	0.000178562
TRU - Out-of-State Trailer TRU	Aggregate	5.53292E-06	0.002019514
TRU - Railcar TRU	Aggregate	5.72728E-07	0.000209046

Pollutant
SOx

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000267934	0.000318863	0.004172152	0.003070126	0.08412578	1.3884E-05	1.27733E-05	7.76359E-07
0.005328047	0.006340816	0.064716334	0.040799026	0.959017359	0.000580012	0.000533611	8.79396E-06
0.000669847	0.000797173	0.00542842	0.006500719	0.130287854	0.00026125	0.00024035	1.19605E-06
1.55074E-05	1.84551E-05	0.000125672	0.000150496	0.003016255	6.04812E-06	5.56427E-06	2.76893E-08
0.00016857	0.000200612	0.002626905	0.001934141	0.053009944	8.74097E-06	8.04169E-06	4.89211E-07
0.002799916	0.003332132	0.036843906	0.023713261	0.601915602	0.000161647	0.000148715	5.53292E-06
0.000289827	0.000344919	0.003813819	0.002454628	0.062306019	1.67325E-05	1.53939E-05	5.72728E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
257.3007367	1013346.658	0.000253912	32169.73519	31.5
2914.49517	8287270.465	0.000351683	243743.249	34
396.3941177	924823.3375	0.000428616	65590.30763	14.1
9.176801313	21410.30767	0.000428616	2378.923075	9
162.1343577	638537.3157	0.000253915	20271.0259	31.5
1833.718945	5201404.689	0.000352543	152982.4909	34
189.8135332	538412.3911	0.000352543	15835.65856	34

Weighted by Usage 0.000346644

Weighted by Activity

Pollutant
SOx

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hpy
6.91229E-07	53.39999768	32169.73519	41.2051794	1013346.658
7.87987E-06	608.7494798	243743.249	183.9734179	8287270.465
1.07052E-06	82.70201024	65590.30763	48.19273154	924823.3375
2.47834E-08	1.914609431	2378.923075	1.747922906	21410.30767
4.35562E-07	33.64879225	20271.0259	163.9468004	638537.3157
4.94571E-06	382.07422	152982.4909	729.1000072	5201404.689
5.11944E-07	39.54960374	15835.65856	49.11347754	538412.3911

Emission Rate
grams/hr

0.007998224
0.011957234
0.006043486
0.003857544
0.00799833
0.011986463
0.011986463

Weighted
0.010813026

TRU Emissions

Pollutant
SOx

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2023	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000221433
Napa	2023	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.004403344
Napa	2023	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.000553592
Napa	2023	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.28161E-05
Napa	2023	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.000139314
Napa	2023	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.00231398
Napa	2023	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000239527

SOx Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	0.08412578	30.70590968
TRU - Instate Trailer TRU	Aggregate	0.959017359	350.0413362
TRU - Instate Truck TRU	Aggregate	0.130287854	47.55506679
TRU - Instate Van TRU	Aggregate	0.003016255	1.100933086
TRU - Out-of-State Genset TRU	Aggregate	0.053009944	19.34862959
TRU - Out-of-State Trailer TRU	Aggregate	0.601915602	219.6991947
TRU - Railcar TRU	Aggregate	0.062306019	22.74169687

Pollutant
SOx

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000267934	0.000318863	0.004172152	0.003070126	0.08412578	1.3884E-05	1.27733E-05	7.76359E-07
0.005328047	0.006340816	0.064716334	0.040799026	0.959017359	0.000580012	0.000533611	8.79396E-06
0.000669847	0.000797173	0.00542842	0.006500719	0.130287854	0.00026125	0.00024035	1.19605E-06
1.55074E-05	1.84551E-05	0.000125672	0.000150496	0.003016255	6.04812E-06	5.56427E-06	2.76893E-08
0.00016857	0.000200612	0.002626905	0.001934141	0.053009944	8.74097E-06	8.04169E-06	4.89211E-07
0.002799916	0.003332132	0.036843906	0.023713261	0.601915602	0.000161647	0.000148715	5.53292E-06
0.000289827	0.000344919	0.003813819	0.002454628	0.062306019	1.67325E-05	1.53939E-05	5.72728E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
27880965.99	1013346.658	27.51374937	32169.73519	31.5
317837533.3	8287270.465	38.35249913	243743.249	34
43180000.65	924823.3375	46.68999894	65590.30763	14.1
999647.2424	21410.30767	46.68999894	2378.923075	9
17568555.67	638537.3157	27.51374937	20271.0259	31.5
199486868.8	5201404.689	38.35249913	152982.4909	34
20649460.76	538412.3911	38.35249913	15835.65856	34

Weighted by Usage 37.75009248

Weighted by Activity

Pollutant
SOx

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hpy
6.91229E-07	53.39999768	32169.73519	41.2051794	1013346.658
7.87987E-06	608.7494798	243743.249	183.9734179	8287270.465
1.07052E-06	82.70201024	65590.30763	48.19273154	924823.3375
2.47834E-08	1.914609431	2378.923075	1.747922906	21410.30767
4.35562E-07	33.64879225	20271.0259	163.9468004	638537.3157
4.94571E-06	382.07422	152982.4909	729.1000072	5201404.689
5.11944E-07	39.54960374	15835.65856	49.11347754	538412.3911

Emission Rate
grams/hr

866.6831053
1303.98497
658.328985
420.2099904
866.6831053
1303.98497
1303.98497

Weighted
1177.554826

TRU Emissions

Pollutant
PM10

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower	Fuel	HC_tpd	ROG_tpd
Napa	2030	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000255799	0.000309517
Napa	2030	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.005306956	0.006421417
Napa	2030	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.00061235	0.000740943
Napa	2030	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.41763E-05	1.71533E-05
Napa	2030	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.00016148	0.000195391
Napa	2030	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.00264787	0.003203922
Napa	2030	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000274089	0.000331647

PM10 Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)	Emissions (grams/year)
TRU - Instate Genset TRU	Aggregate	1.60532E-05	0.005859417	5320.350553
TRU - Instate Trailer TRU	Aggregate	0.000313892	0.11457066	104030.1589
TRU - Instate Truck TRU	Aggregate	0.000281073	0.102591762	93153.32025
TRU - Instate Van TRU	Aggregate	6.50704E-06	0.002375071	2156.564574
TRU - Out-of-State Genset TRU	Aggregate	1.0126E-05	0.003695993	3355.961208
TRU - Out-of-State Trailer TRU	Aggregate	0.000141803	0.051758162	46996.41105
TRU - Railcar TRU	Aggregate	1.46785E-05	0.005357637	4864.733963

Pollutant
PM10

TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000368351	0.004824619	0.003552967	0.097385264	1.60532E-05	1.47689E-05	8.9874E-07
0.007642017	0.076791157	0.044196996	1.064236363	0.000313892	0.000288781	9.74618E-06
0.000881783	0.006022711	0.007190526	0.144582442	0.000281073	0.000258587	1.32733E-06
2.04139E-05	0.00013943	0.000166466	0.003347185	6.50704E-06	5.98648E-06	3.07287E-08
0.000232532	0.003042945	0.002239402	0.061365106	1.0126E-05	9.31593E-06	5.66312E-07
0.003812932	0.041646668	0.026125677	0.66769475	0.000141803	0.000130459	6.13514E-06
0.000394688	0.004310967	0.002704344	0.069115008	1.46785E-05	1.35042E-05	6.35066E-07

Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
1173065.277	0.004535426	37240.16754	31.5
9196511.918	0.011311915	270485.6447	34
1026290.729	0.09076699	72786.57652	14.1
23759.34881	0.09076699	2639.927646	9
739180.3656	0.004540111	23466.04335	31.5
5769829.842	0.008145199	169700.8777	34
597251.717	0.008145199	17566.22697	34

Weighted by Usage 0.014027802

Weighted by Activity

Pollutant
PM10

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
8.00177E-07	61.81663756	37240.16754	47.69973316	1173065.277
8.74442E-06	675.5386915	270485.6447	204.1581408	9196511.918
1.18798E-06	91.77569696	72786.57652	53.48021787	1026290.729
2.75025E-08	2.124671631	2639.927646	1.939697021	23759.34881
5.04213E-07	38.95234616	23466.04335	189.787273	739180.3656
5.48619E-06	423.8284402	169700.8777	808.7782494	5769829.842
5.67891E-07	43.87170342	17566.22697	54.48074611	597251.717

Emission Rate grams/hr	Fuel Consumption gallons/year	Fuel Rate gallons/hr
0.142865913	61.81663756	0.001659945
0.384605102	675.5386915	0.002497503
1.279814558	91.77569696	0.001260888
0.816902909	2.124671631	0.000804822
0.143013509	38.95234616	0.001659945
0.276936759	423.8284402	0.002497503
0.276936759	43.87170342	0.002497503
Weighted 0.437588586	Total 1337.908187	Weighted 0.002252805

TRU Emissions

Pollutant
PM2.5

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2030	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000255799
Napa	2030	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.005306956
Napa	2030	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.00061235
Napa	2030	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.41763E-05
Napa	2030	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.00016148
Napa	2030	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.00264787
Napa	2030	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000274089

PM2.5 Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	1.47689E-05	0.005390664
TRU - Instate Trailer TRU	Aggregate	0.000288781	0.105405007
TRU - Instate Truck TRU	Aggregate	0.000258587	0.094384421
TRU - Instate Van TRU	Aggregate	5.98648E-06	0.002185065
TRU - Out-of-State Genset TRU	Aggregate	9.31593E-06	0.003400313
TRU - Out-of-State Trailer TRU	Aggregate	0.000130459	0.047617509
TRU - Railcar TRU	Aggregate	1.35042E-05	0.004929026

Pollutant
PM2.5

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000309517	0.000368351	0.004824619	0.003552967	0.097385264	1.60532E-05	1.47689E-05	8.9874E-07
0.006421417	0.007642017	0.076791157	0.044196996	1.064236363	0.000313892	0.000288781	9.74618E-06
0.000740943	0.000881783	0.006022711	0.007190526	0.144582442	0.000281073	0.000258587	1.32733E-06
1.71533E-05	2.04139E-05	0.00013943	0.000166466	0.003347185	6.50704E-06	5.98648E-06	3.07287E-08
0.000195391	0.000232532	0.003042945	0.002239402	0.061365106	1.0126E-05	9.31593E-06	5.66312E-07
0.003203922	0.003812932	0.041646668	0.026125677	0.66769475	0.000141803	0.000130459	6.13514E-06
0.000331647	0.000394688	0.004310967	0.002704344	0.069115008	1.46785E-05	1.35042E-05	6.35066E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
4894.722509	1173065.277	0.004172592	37240.16754	31.5
95707.74616	9196511.918	0.010406962	270485.6447	34
85701.05463	1026290.729	0.083505631	72786.57652	14.1
1984.039408	23759.34881	0.083505631	2639.927646	9
3087.484311	739180.3656	0.004176902	23466.04335	31.5
43236.69817	5769829.842	0.007493583	169700.8777	34
4475.555246	597251.717	0.007493583	17566.22697	34

Weighted by Usage 0.012905578

Weighted by Activity

Pollutant
PM2.5

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hpy
8.00177E-07	61.81663756	37240.16754	47.69973316	1173065.277
8.74442E-06	675.5386915	270485.6447	204.1581408	9196511.918
1.18798E-06	91.77569696	72786.57652	53.48021787	1026290.729
2.75025E-08	2.124671631	2639.927646	1.939697021	23759.34881
5.04213E-07	38.95234616	23466.04335	189.787273	739180.3656
5.48619E-06	423.8284402	169700.8777	808.7782494	5769829.842
5.67891E-07	43.87170342	17566.22697	54.48074611	597251.717

Emission Rate
grams/hr

0.13143664
0.353836694
1.177429393
0.751550677
0.131572428
0.254781818
0.254781818

Weighted 0.402581499

TRU Emissions

Pollutant

NOx

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin
Napa	2030	TRU - Instate Genset TRU	Aggregate	Aggregate
Napa	2030	TRU - Instate Trailer TRU	Aggregate	Aggregate
Napa	2030	TRU - Instate Truck TRU	Aggregate	Aggregate
Napa	2030	TRU - Instate Van TRU	Aggregate	Aggregate
Napa	2030	TRU - Out-of-State Genset TRU	Aggregate	Aggregate
Napa	2030	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate
Napa	2030	TRU - Railcar TRU	Aggregate	Aggregate

NOx Emissions

Vehicle Category	Horsepower
TRU - Instate Genset TRU	Aggregate
TRU - Instate Trailer TRU	Aggregate
TRU - Instate Truck TRU	Aggregate
TRU - Instate Van TRU	Aggregate
TRU - Out-of-State Genset TRU	Aggregate
TRU - Out-of-State Trailer TRU	Aggregate
TRU - Railcar TRU	Aggregate

Pollutant
NOx

Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd
Diesel	0.000255799	0.000309517	0.000368351	0.004824619	0.003552967	0.097385264	1.60532E-05
Diesel	0.005306956	0.006421417	0.007642017	0.076791157	0.044196996	1.064236363	0.000313892
Diesel	0.00061235	0.000740943	0.000881783	0.006022711	0.007190526	0.144582442	0.000281073
Diesel	1.41763E-05	1.71533E-05	2.04139E-05	0.00013943	0.000166466	0.003347185	6.50704E-06
Diesel	0.00016148	0.000195391	0.000232532	0.003042945	0.002239402	0.061365106	1.0126E-05
Diesel	0.00264787	0.003203922	0.003812932	0.041646668	0.026125677	0.66769475	0.000141803
Diesel	0.000274089	0.000331647	0.000394688	0.004310967	0.002704344	0.069115008	1.46785E-05

Emissions (t/d)	Emissions (t/yr)	Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)
0.003552967	1.296832813	1177524.194	1173065.277	1.003801081	37240.16754
0.044196996	16.1319037	14647768.56	9196511.918	1.592752631	270485.6447
0.007190526	2.624542148	2383084.27	1026290.729	2.322036245	72786.57652
0.000166466	0.060759988	55170.06909	23759.34881	2.322036245	2639.927646
0.002239402	0.817381869	742182.7373	739180.3656	1.004061758	23466.04335
0.026125677	9.535872153	8658571.914	5769829.842	1.500663304	169700.8777
0.002704344	0.987085611	896273.735	597251.717	1.500663304	17566.22697

Weighted by Usage 1.54165747

Pollutant
NOx

PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
1.47689E-05	8.9874E-07	8.00177E-07	61.81663756	37240.16754	47.69973316	1173065.277
0.000288781	9.74618E-06	8.74442E-06	675.5386915	270485.6447	204.1581408	9196511.918
0.000258587	1.32733E-06	1.18798E-06	91.77569696	72786.57652	53.48021787	1026290.729
5.98648E-06	3.07287E-08	2.75025E-08	2.124671631	2639.927646	1.939697021	23759.34881
9.31593E-06	5.66312E-07	5.04213E-07	38.95234616	23466.04335	189.787273	739180.3656
0.000130459	6.13514E-06	5.48619E-06	423.8284402	169700.8777	808.7782494	5769829.842
1.35042E-05	6.35066E-07	5.67891E-07	43.87170342	17566.22697	54.48074611	597251.717

Horsepower (HP)	Emission Rate grams/hr
31.5	31.61973406
34	54.15358946
14.1	32.74071105
9	20.8983262
31.5	31.62794537
34	51.02255234
34	51.02255234
Weighted by Activity	Weighted 48.09104985

TRU Emissions

Pollutant
CO

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2030	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000255799
Napa	2030	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.005306956
Napa	2030	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.00061235
Napa	2030	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.41763E-05
Napa	2030	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.00016148
Napa	2030	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.00264787
Napa	2030	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000274089

CO Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	0.004824619	1.760985782
TRU - Instate Trailer TRU	Aggregate	0.076791157	28.02877215
TRU - Instate Truck TRU	Aggregate	0.006022711	2.198289401
TRU - Instate Van TRU	Aggregate	0.00013943	0.050891939
TRU - Out-of-State Genset TRU	Aggregate	0.003042945	1.110674793
TRU - Out-of-State Trailer TRU	Aggregate	0.041646668	15.20103383
TRU - Railcar TRU	Aggregate	0.004310967	1.573502824

Pollutant
CO

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000309517	0.000368351	0.004824619	0.003552967	0.097385264	1.60532E-05	1.47689E-05	8.9874E-07
0.006421417	0.007642017	0.076791157	0.044196996	1.064236363	0.000313892	0.000288781	9.74618E-06
0.000740943	0.000881783	0.006022711	0.007190526	0.144582442	0.000281073	0.000258587	1.32733E-06
1.71533E-05	2.04139E-05	0.00013943	0.000166466	0.003347185	6.50704E-06	5.98648E-06	3.07287E-08
0.000195391	0.000232532	0.003042945	0.002239402	0.061365106	1.0126E-05	9.31593E-06	5.66312E-07
0.003203922	0.003812932	0.041646668	0.026125677	0.66769475	0.000141803	0.000130459	6.13514E-06
0.000331647	0.000394688	0.004310967	0.002704344	0.069115008	1.46785E-05	1.35042E-05	6.35066E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
1598975.09	1173065.277	1.363074264	37240.16754	31.5
25450125.11	9196511.918	2.767367165	270485.6447	34
1996046.776	1026290.729	1.94491358	72786.57652	14.1
46209.88016	23759.34881	1.94491358	2639.927646	9
1008492.712	739180.3656	1.364339151	23466.04335	31.5
13802538.71	5769829.842	2.39219164	169700.8777	34
1428740.565	597251.717	2.39219164	17566.22697	34

Weighted by Usage 2.446907048

Weighted by Activity

Pollutant
CO

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hpy
8.00177E-07	61.81663756	37240.16754	47.69973316	1173065.277
8.74442E-06	675.5386915	270485.6447	204.1581408	9196511.918
1.18798E-06	91.77569696	72786.57652	53.48021787	1026290.729
2.75025E-08	2.124671631	2639.927646	1.939697021	23759.34881
5.04213E-07	38.95234616	23466.04335	189.787273	739180.3656
5.48619E-06	423.8284402	169700.8777	808.7782494	5769829.842
5.67891E-07	43.87170342	17566.22697	54.48074611	597251.717

Emission Rate
grams/hr

42.93683932
 94.0904836
 27.42328148
 17.50422222
 42.97668324
 81.33451577
 81.33451577

Weighted 76.3297497

TRU Emissions

Pollutant
ROG

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2030	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000255799
Napa	2030	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.005306956
Napa	2030	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.00061235
Napa	2030	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.41763E-05
Napa	2030	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.00016148
Napa	2030	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.00264787
Napa	2030	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000274089

ROG Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	0.000309517	0.112973677
TRU - Instate Trailer TRU	Aggregate	0.006421417	2.343817315
TRU - Instate Truck TRU	Aggregate	0.000740943	0.270444185
TRU - Instate Van TRU	Aggregate	1.71533E-05	0.006260972
TRU - Out-of-State Genset TRU	Aggregate	0.000195391	0.071317802
TRU - Out-of-State Trailer TRU	Aggregate	0.003203922	1.169431567
TRU - Railcar TRU	Aggregate	0.000331647	0.121051232

Pollutant
ROG

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000309517	0.000368351	0.004824619	0.003552967	0.097385264	1.60532E-05	1.47689E-05	8.9874E-07
0.006421417	0.007642017	0.076791157	0.044196996	1.064236363	0.000313892	0.000288781	9.74618E-06
0.000740943	0.000881783	0.006022711	0.007190526	0.144582442	0.000281073	0.000258587	1.32733E-06
1.71533E-05	2.04139E-05	0.00013943	0.000166466	0.003347185	6.50704E-06	5.98648E-06	3.07287E-08
0.000195391	0.000232532	0.003042945	0.002239402	0.061365106	1.0126E-05	9.31593E-06	5.66312E-07
0.003203922	0.003812932	0.041646668	0.026125677	0.66769475	0.000141803	0.000130459	6.13514E-06
0.000331647	0.000394688	0.004310967	0.002704344	0.069115008	1.46785E-05	1.35042E-05	6.35066E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
102580.0984	1173065.277	0.087446198	37240.16754	31.5
2128186.122	9196511.918	0.231412316	270485.6447	34
245563.3201	1026290.729	0.239272667	72786.57652	14.1
5684.962762	23759.34881	0.239272667	2639.927646	9
64756.56383	739180.3656	0.087605904	23466.04335	31.5
1061843.863	5769829.842	0.184033826	169700.8777	34
109914.5187	597251.717	0.184033826	17566.22697	34

Weighted by Usage 0.2007207

Weighted by Activity

Pollutant
ROG

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
8.00177E-07	61.81663756	37240.16754	47.69973316	1173065.277
8.74442E-06	675.5386915	270485.6447	204.1581408	9196511.918
1.18798E-06	91.77569696	72786.57652	53.48021787	1026290.729
2.75025E-08	2.124671631	2639.927646	1.939697021	23759.34881
5.04213E-07	38.95234616	23466.04335	189.787273	739180.3656
5.48619E-06	423.8284402	169700.8777	808.7782494	5769829.842
5.67891E-07	43.87170342	17566.22697	54.48074611	597251.717

Emission Rate
grams/hr

2.754555234
7.868018744
3.373744608
2.153454005
2.759585962
6.257150094
6.257150094

Weighted
6.261357908

TRU Emissions

Pollutant
SOx

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2030	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000255799
Napa	2030	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.005306956
Napa	2030	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.00061235
Napa	2030	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.41763E-05
Napa	2030	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.00016148
Napa	2030	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.00264787
Napa	2030	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000274089

SOx Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	8.9874E-07	0.00032804
TRU - Instate Trailer TRU	Aggregate	9.74618E-06	0.003557356
TRU - Instate Truck TRU	Aggregate	1.32733E-06	0.000484476
TRU - Instate Van TRU	Aggregate	3.07287E-08	1.1216E-05
TRU - Out-of-State Genset TRU	Aggregate	5.66312E-07	0.000206704
TRU - Out-of-State Trailer TRU	Aggregate	6.13514E-06	0.002239326
TRU - Railcar TRU	Aggregate	6.35066E-07	0.000231799

Pollutant
SOx

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000309517	0.000368351	0.004824619	0.003552967	0.097385264	1.60532E-05	1.47689E-05	8.9874E-07
0.006421417	0.007642017	0.076791157	0.044196996	1.064236363	0.000313892	0.000288781	9.74618E-06
0.000740943	0.000881783	0.006022711	0.007190526	0.144582442	0.000281073	0.000258587	1.32733E-06
1.71533E-05	2.04139E-05	0.00013943	0.000166466	0.003347185	6.50704E-06	5.98648E-06	3.07287E-08
0.000195391	0.000232532	0.003042945	0.002239402	0.061365106	1.0126E-05	9.31593E-06	5.66312E-07
0.003203922	0.003812932	0.041646668	0.026125677	0.66769475	0.000141803	0.000130459	6.13514E-06
0.000331647	0.000394688	0.004310967	0.002704344	0.069115008	1.46785E-05	1.35042E-05	6.35066E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
297.8605077	1173065.277	0.000253916	37240.16754	31.5
3230.079427	9196511.918	0.000351229	270485.6447	34
439.9043611	1026290.729	0.000428635	72786.57652	14.1
10.18409391	23759.34881	0.000428635	2639.927646	9
187.6870877	739180.3656	0.000253912	23466.04335	31.5
2033.307814	5769829.842	0.000352403	169700.8777	34
210.4735524	597251.717	0.000352403	17566.22697	34

Weighted by Usage

0.000345975

Weighted by Activity

Pollutant
SOx

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hpy
8.00177E-07	61.81663756	37240.16754	47.69973316	1173065.277
8.74442E-06	675.5386915	270485.6447	204.1581408	9196511.918
1.18798E-06	91.77569696	72786.57652	53.48021787	1026290.729
2.75025E-08	2.124671631	2639.927646	1.939697021	23759.34881
5.04213E-07	38.95234616	23466.04335	189.787273	739180.3656
5.48619E-06	423.8284402	169700.8777	808.7782494	5769829.842
5.67891E-07	43.87170342	17566.22697	54.48074611	597251.717

Emission Rate
grams/hr

0.007998366
0.011941778
0.006043757
0.003857717
0.007998242
0.011981717
0.011981717

Weighted
0.01079248

TRU Emissions

Pollutant
SOx

OFFROAD 2017

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	HC_tpd
Napa	2030	TRU - Instate Genset TRU	Aggregate	Aggregate	Diesel	0.000255799
Napa	2030	TRU - Instate Trailer TRU	Aggregate	Aggregate	Diesel	0.005306956
Napa	2030	TRU - Instate Truck TRU	Aggregate	Aggregate	Diesel	0.00061235
Napa	2030	TRU - Instate Van TRU	Aggregate	Aggregate	Diesel	1.41763E-05
Napa	2030	TRU - Out-of-State Genset TRU	Aggregate	Aggregate	Diesel	0.00016148
Napa	2030	TRU - Out-of-State Trailer TRU	Aggregate	Aggregate	Diesel	0.00264787
Napa	2030	TRU - Railcar TRU	Aggregate	Aggregate	Diesel	0.000274089

SOx Emissions

Vehicle Category	Horsepower	Emissions (t/d)	Emissions (t/yr)
TRU - Instate Genset TRU	Aggregate	0.097385264	35.54562119
TRU - Instate Trailer TRU	Aggregate	1.064236363	388.4462724
TRU - Instate Truck TRU	Aggregate	0.144582442	52.77259145
TRU - Instate Van TRU	Aggregate	0.003347185	1.221722435
TRU - Out-of-State Genset TRU	Aggregate	0.061365106	22.39826357
TRU - Out-of-State Trailer TRU	Aggregate	0.66769475	243.7085837
TRU - Railcar TRU	Aggregate	0.069115008	25.22697792

Pollutant
SOx

ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd
0.000309517	0.000368351	0.004824619	0.003552967	0.097385264	1.60532E-05	1.47689E-05	8.9874E-07
0.006421417	0.007642017	0.076791157	0.044196996	1.064236363	0.000313892	0.000288781	9.74618E-06
0.000740943	0.000881783	0.006022711	0.007190526	0.144582442	0.000281073	0.000258587	1.32733E-06
1.71533E-05	2.04139E-05	0.00013943	0.000166466	0.003347185	6.50704E-06	5.98648E-06	3.07287E-08
0.000195391	0.000232532	0.003042945	0.002239402	0.061365106	1.0126E-05	9.31593E-06	5.66312E-07
0.003203922	0.003812932	0.041646668	0.026125677	0.66769475	0.000141803	0.000130459	6.13514E-06
0.000331647	0.000394688	0.004310967	0.002704344	0.069115008	1.46785E-05	1.35042E-05	6.35066E-07

Emissions (grams/year)	Usage (hp-hr/yr)	Emission Factor (grams/hp-hr)	Activity (hrs/year)	Horsepower (HP)
32275424.04	1173065.277	27.51374937	37240.16754	31.5
352709215.3	9196511.918	38.35249913	270485.6447	34
47917513.04	1026290.729	46.68999894	72786.57652	14.1
1109323.971	23759.34881	46.68999894	2639.927646	9
20337623.32	739180.3656	27.51374937	23466.04335	31.5
221287394	5769829.842	38.35249913	169700.8777	34
22906095.95	597251.717	38.35249913	17566.22697	34

Weighted by Usage 37.70629211

Weighted by Activity

Pollutant
SOx

NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hpy
8.00177E-07	61.81663756	37240.16754	47.69973316	1173065.277
8.74442E-06	675.5386915	270485.6447	204.1581408	9196511.918
1.18798E-06	91.77569696	72786.57652	53.48021787	1026290.729
2.75025E-08	2.124671631	2639.927646	1.939697021	23759.34881
5.04213E-07	38.95234616	23466.04335	189.787273	739180.3656
5.48619E-06	423.8284402	169700.8777	808.7782494	5769829.842
5.67891E-07	43.87170342	17566.22697	54.48074611	597251.717

Emission Rate
grams/hr

866.6831053
1303.98497
658.328985
420.2099904
866.6831053
1303.98497
1303.98497

Weighted
1176.224426

Giovannoni Logistics Project Phase 1 Energy Use Summary

Summary of Energy Use During Construction

(Annually)

Construction vehicle fuel	115,596 gallons (gasoline, diesel)
Construction equipment fuel	25,955 gallons (diesel)
Total construction fuel	141,550 gallons (gasoline, diesel)
Construction office electricity	10,025 kilowatt hours

Summary of Energy Use During Operations

(Annually)

Operational Vehicle Fuel	573,717 gallons (gasoline, diesel)
Operational TRU Fuel (Cold Storage)	583 gallons (diesel)
Operational Natural Gas (Cold Storage)	4,040,000 kilo-British Thermal Units
Operational Natural Gas (Dry Storage)	3,690,000 kilo-British Thermal Units
Operational Electricity (Cold Storage)	10,944,476 kilowatt hours
Operational Electricity (Dry Storage)	4,264,476 kilowatt hours

Construction Vehicle Fuel Calculations

California Air Resource Board (ARB), 2020. EMFAC2017 Web Database. Website: <https://arb.ca.gov/emfac/2017/>. Accessed July 22, 2021.

VMT = Vehicle Miles Traveled
FE = Fuel Economy

EMFAC2017 (v1.0.2) Emission Rates

Region Type: County

Region: NAPA

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS, g/vehicle/day for IDLEX, RESTL and DIURN. Note 'day' in the unit is operation day.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT (mi/day)	Trips	Fuel Consumption (1000 gallons/day)	Calculations	
										FE (mi/gallon)	VMT*FE
NAPA	2022	HHDT	Aggregated	Aggregated	GAS	0.6653144	82.07735867	13.31161	0.020478	4.008153753	328.9786731
NAPA	2022	HHDT	Aggregated	Aggregated	DSL	1062.4567	114944.1524	10519.59	18.17725	6.323518533	726851.4777
NAPA	2022	LDA	Aggregated	Aggregated	GAS	51277.051	2089425.021	239641.2	64.14162	32.57518504	68063406.66
NAPA	2022	LDA	Aggregated	Aggregated	DSL	671.73758	27012.95009	3098.394	0.546509	49.4281528	1335200.224
NAPA	2022	LDT1	Aggregated	Aggregated	GAS	5864.7757	205083.2093	26344.52	7.55199	27.15618078	5569276.708
NAPA	2022	LDT1	Aggregated	Aggregated	DSL	4.3660162	68.00148501	14.41585	0.00284	23.94661919	1628.405666
NAPA	2022	LDT2	Aggregated	Aggregated	GAS	17947.743	659088.6205	82492.71	26.31316	25.04787225	16508767.57
NAPA	2022	LDT2	Aggregated	Aggregated	DSL	128.74848	5387.480935	622.9501	0.150076	35.89836127	193401.7369
NAPA	2022	LHDT1	Aggregated	Aggregated	GAS	1736.2798	57289.54713	25867.98	6.920156	8.278649862	474280.1014
NAPA	2022	LHDT1	Aggregated	Aggregated	DSL	1854.5856	63800.89039	23328.35	3.618832	17.63024356	1124825.237
NAPA	2022	LHDT2	Aggregated	Aggregated	GAS	234.05538	7776.125056	3487.076	1.072124	7.253012139	56400.32943
NAPA	2022	LHDT2	Aggregated	Aggregated	DSL	616.85411	21994.56919	7759.249	1.396182	15.75336516	346488.48
NAPA	2022	MHDT	Aggregated	Aggregated	GAS	137.03811	7160.996753	2741.858	1.484311	4.824458909	34547.93458
NAPA	2022	MHDT	Aggregated	Aggregated	DSL	1234.1726	66974.61726	11910.6	7.179038	9.329191657	624819.0406
Worker											
Sum of VMT*FE (Column BI) 91671681.3											
Total VMT 2986065.283											
Weighted Average FE 30.69982489											
Vendor											
Sum of VMT*FE (Column BI) 3388541.579											
Total VMT 340022.9755											
Weighted Average FE 9.965625336											
Haul											
Sum of VMT*FE (Column BI) 727180.4564											
Total VMT 115026.2297											
Weighted Average FE 6.321866396											

Project Construction Assumptions

On-site Construction

Source: AQ/GHG Appendix, CalEEMod Output

Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual

Date: 9/22/2021 7:14 PM

Construction Schedule	Phase Name	Phase Type	Start Date	End Date	Num Days	
					Week	Num Days
Site Preparation	Site Preparation		1/3/2022	1/10/2022	5	6
Grading	Grading		1/11/2022	2/2/2022	5	17
Building Construction	Building Construction		2/3/2022	9/26/2022	5	168
Paving	Paving		9/27/2022	10/11/2022	5	11
Architectural Coating	Architectural Coating		10/12/2022	10/26/2022	5	11

Trips and VMT	Phase Name	Trips per Day		Total Trips		Trips per Phase			VMT per Phase			Fuel Consumption (gallons)					
		Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Vendor Ve Num Days	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trips	Vendor Trips	Hauling Trips	Worker Trips	Vendor Trips	Hauling Trips
Site Preparation		10	0	0	8.12	7.3	20 HDT_Mix	6	60	0	0	487	0	0	15.87	0.00	0.00
Grading		20	0	675	8.12	7.3	20 HDT_Mix	17	340	0	675	2,761	0	13,500	89.93	0.00	106.77
Building Construction		1,239	484	0	8.12	7.3	20 HDT_Mix	168	208,152	81,312	0	1,690,194	593,578	0	55,055.50	59,562.50	0.00
Paving		15	0	0	8.12	7.3	20 HDT_Mix	11	165	0	0	1,340	0	0	43.64	0.00	0.00
Architectural Coating		248	0	0	8.12	7.3	20 HDT_Mix	11	2,728	0	0	22,151	0	0	721.55	0.00	0.00

On-site Total Construction VMT (miles)
2,324,011

On-Site Total Fuel Consumption (gallons)
115,596

Construction Equipment Fuel Calculation

On-site

Source: AQ/GHG Appendix, CalEEMod Output
 Giovannoni Logistics Phase 1 Con - AIR-2a - Napa County, Annual
 Date: 9/22/2021 7:14 PM

Construction Schedule	Phase Name	Phase Type	Start Date	End Date	Num Days	
					Week	Num Days
	Site Preparation	Site Preparation	1/3/2022	1/10/2022	5	6
	Grading	Grading	1/11/2022	2/2/2022	5	17
	Building Construction	Building Construction	2/3/2022	9/26/2022	5	168
	Paving	Paving	9/27/2022	10/11/2022	5	11
	Architectural Coating	Architectural Coating	10/12/2022	10/26/2022	5	11

Construction Equipment	Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load		HP Hours	Diesel Fuel Usage
						Factor	Number of Days		
	Site Preparation	Rubber Tired Dozers	0	8	247	0.4	6	0.00	0.00
	Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	6	6,890.88	344.54
	Grading	Excavators	2	8	158	0.38	17	16,330.88	816.54
	Grading	Graders	1	8	187	0.41	17	10,427.12	521.36
	Grading	Rubber Tired Dozers	1	8	247	0.4	17	13,436.80	671.84
	Grading	Scrapers	2	8	367	0.48	17	47,915.52	2,395.78
	Grading	Tractors/Loaders/Backhoes	2	8	97	0.37	17	9,762.08	488.10
	Building Construction	Cranes	1	7	231	0.29	168	78,780.24	3,939.01
	Building Construction	Forklifts	3	8	89	0.2	168	71,769.60	3,588.48
	Building Construction	Generator Sets	1	8	84	0.74	168	83,543.04	4,177.15
	Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37	168	126,619.92	6,331.00
	Building Construction	Welders	1	8	46	0.45	168	27,820.80	1,391.04
	Paving	Pavers	2	8	130	0.42	11	9,609.60	480.48
	Paving	Paving Equipment	2	8	132	0.36	11	8,363.52	418.18
	Paving	Rollers	2	8	80	0.38	11	5,350.40	267.52
	Architectural Coating	Air Compressors	1	6	78	0.48	11	2,471.04	123.55

Construction Equipment Fuel Consumption 25,954.57 gallons

Notes:

Equipment assumptions are provided in the CalEEMod output files.
 Fuel usage estimate of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.
 South Coast Air Quality Management District. 1993. Air Quality Handbook, Table A9-3E.
 Website: <http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook>. Accessed July 22, 2021.

Construction Office Electricity Calculation

Energy Appendix: CalEEMod Typical Construction Trailer

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	12362.4	1.1438	1.9000e-004	2.0000e-005	1.1551
Total		1.1438	1.9000e-004	2.0000e-005	1.1551

kWh/yr = kilowatt hours per year

Energy by Land Use - Electricity

Annual 12,362 kWh/yr
Total Over Construction 10,025 kWh

Total Construction Schedule

Start 1/3/2022
 End 10/26/2022
 Total Calendar Days 296
 Years 0.81

Proposed Operation Fuel Calculation

California Air Resource Board (ARB). 2020. EMFAC2017 Web Database. Website: <https://arb.ca.gov/emfac/2017/>. Accessed July 22, 2021.

EMFAC2017 (v1.0.2) Emissions Inventory

VMT = Vehicle Miles Traveled

Region Type: County

FE = Fuel Economy

Region: NAPA

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

Given

Calculations

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Fuel Consumption	FE	VMT*FE
NAPA	2022	LDA	Aggregated	Aggregated	GAS	51277.0506	2089425.02	64.14161633	32.57519	68063406.66
NAPA	2022	LDA	Aggregated	Aggregated	DSL	671.737577	27012.9501	0.546509399	49.42815	1335200.224
NAPA	2022	LDT1	Aggregated	Aggregated	GAS	5864.77572	205083.209	7.551990134	27.15618	5569276.708
NAPA	2022	LDT1	Aggregated	Aggregated	DSL	4.36601623	68.001485	0.002839711	23.94662	1628.405666
NAPA	2022	LDT2	Aggregated	Aggregated	GAS	17947.743	659088.621	26.31315802	25.04787	16508767.57
NAPA	2022	LDT2	Aggregated	Aggregated	DSL	128.748478	5387.48094	0.150075957	35.89836	193401.7369
NAPA	2022	MDV	Aggregated	Aggregated	GAS	13914.3395	467746.642	23.04170225	20.3	9495258.575
NAPA	2022	MDV	Aggregated	Aggregated	DSL	359.28556	14286.1462	0.529548532	26.97797	385411.2719

Vehicles	
Sum of VMT*FE	101552351.2
Total VMT	3468098.071
Weighted Average FE	29.28185682 miles/gallon

Total VMT

Source: AQ/GHG Appendix, CalEEMod Output

Giovanni Logistics Phase 1 COLD Op - Napa County, Annual

Date: 9/22/2021 8:07 PM

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	554.03	554.03	554.03	1,637,546	1,637,546
Refrigerated Warehouse-Rail	709.63	709.63	709.63	2,097,434	2,097,434
Total	1,263.66	1,263.66	1,263.66	3,734,981	3,734,981

	Annual VMT (miles)	Fuel Consumption (gallons per year)
Total VMT	3,734,981	127,553

Proposed Operation Fuel Calculation

California Air Resource Board (ARB). 2020. EMFAC2017 Web Database. Website: <https://arb.ca.gov/emfac/2017/>. Accessed July 22, 2021.

EMFAC2017 (v1.0.2) Emissions Inventory

VMT = Vehicle Miles Traveled

Region Type: County

FE = Fuel Economy

Region: NAPA

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

<i>Given</i>						<i>Calculations</i>				
Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Fuel Consumption	FE	VMT*FE
NAPA	2022	HHDT	Aggregated	Aggregated	GAS	0.66531442	82.0773587	0.020477597	4.008154	328.9786731
NAPA	2022	HHDT	Aggregated	Aggregated	DSL	1062.45674	114944.152	18.17724606	6.323519	726851.4777
Vehicles										
Sum of VMT*FE										727180.4564
Total VMT										115026.2297
Weighted Average FE										6.321866396 miles/gallon

Truck VMT & Fuel

Average One-Way Daily Truck Trips: 528

Phase 1 Proportion of Building Space: 44.62%

Assumed Travel Distance (miles): 32.8

	Annual VMT (miles)	Fuel Consumption	
Total VMT	2,820,590	446,164	gallons per year

TRU Fuel Consumption

Source: AQ/GHG Appendix, TRU Emission Rates

Fuel Rate (Gallons/Hour): 0.002255916

Running Time (Hours/Day): 6

TRU Population: 118

Annual Fuel Consumption: 583 gallons

Phase 1 Operation Natural Gas Use

Source: AQ/GHG Appendix, CalEEMod Output
 Giovanni Logistics Phase 1 COLD Op - Napa County, Annual
 Date: 9/22/2021 8:07 PM

	Natural Gas Use
Refrigerated Warehouse-No Rail	1,770,000
Refrigerated Warehouse-Rail	2,270,000
Total Cold Storage	4,040,000 kBTU/yr

kBTU/yr = kilo-British Thermal Units/year

Land Use	Natural Gas Use kBTU/yr
City Park	0
Parking Lot	0
Refrigerated Warehouse-No Rail	1.77E+06
Refrigerated Warehouse-Rail	2.27E+06
Total	

Operation Natural Gas Use

Source: AQ/GHG Appendix, CalEEMod Output
 Giovanni Logistics Phase 1 DRY Op - Napa County, Annual
 Date: 9/22/2021 8:04 PM

	Natural Gas Use
Unrefrigerated Warehouse-No Rail	1,620,000
Unrefrigerated Warehouse-Rail	2,070,000
Total Dry Storage	3,690,000 kBTU/yr

Land Use	Natural Gas Use kBTU/yr
City Park	0
Parking Lot	0
Unrefrigerated Warehouse-No Rail	1.62E+06
Unrefrigerated Warehouse-Rail	2.07E+06
Total	

Phase 1 Operation Electricity Use

Source: AQ/GHG Appendix, CalEEMod Output
 Giovanni Logistics Phase 1 COLD Op - Napa County, Annual
 Date: 9/22/2021 8:07 PM

Cold Storage	Electricity Use
Land Use	(kWh/yr)
Parking Lot	524,476
Refrigerated Warehouse - No Rail	4,570,000
Refrigerated Warehouse - Rail	5,850,000
Total Cold Storage	10,944,476 kWh/yr

kWh/yr = kilowatt hours per year

	Electricity Use
Land Use	kWh/yr
City Park	0
Parking Lot	524476
Refrigerated Warehouse-No Rail	4.57E+06
Refrigerated Warehouse-Rail	5.85E+06
Total	

Source: AQ/GHG Appendix, CalEEMod Output
 Giovanni Logistics Phase 1 DRY Op - Napa County, Annual
 Date: 9/22/2021 8:04 PM

Dry Storage	Electricity Use
Land Use	(kWh/yr)
Parking Lot	524,476
Unrefrigerated Warehouse - No Rail	1,640,000
Unrefrigerated Warehouse - Rail	2,100,000
Total Dry Storage	4,264,476 kWh/yr

kWh/yr = kilowatt hours per year

	Electricity Use
Land Use	kWh/yr
City Park	0
Parking Lot	524476
Unrefrigerated Warehouse-No Rail	1.64E+06
Unrefrigerated Warehouse-Rail	2.10E+06
Total	

Giovannoni Logistics Project Phase 2 Energy Use Summary

Summary of Energy Use During Construction

(Annually)

Construction vehicle fuel	221,932 gallons (gasoline, diesel)
Construction equipment fuel	25,956 gallons (diesel)
Total construction fuel	247,888 gallons (gasoline, diesel)
Construction office electricity	10,127 kilowatt hours

Summary of Energy Use During Operations

(Annually)

Operational Vehicle Fuel	678,793 gallons (gasoline, diesel)
Operational TRU Fuel (Cold Storage)	721 gallons (diesel)
Operational Natural Gas (Cold Storage)	5,020,000 kilo-British Thermal Units
Operational Natural Gas (Dry Storage)	4,570,000 kilo-British Thermal Units
Operational Electricity (Cold Storage)	13,550,926 kilowatt hours
Operational Electricity (Dry Storage)	5,300,926 kilowatt hours

Construction Vehicle Fuel Calculations

California Air Resource Board (ARB), 2020. EMFAC2017 Web Database. Website: <https://arb.ca.gov/emfac/2017/>. Accessed July 22, 2021.

VMT = Vehicle Miles Traveled
FE = Fuel Economy

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: NAPA

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	VMT (mi/day)	Trips	Fuel_Consumption (1000 gallons/day)	Calculations	
										FE (mi/gallon)	VMT*FE
NAPA		2023 HHDT	Aggregated	Aggregated	GAS	0.6374109	78.04076592	12.75332	0.019051	4.096462696	319.6910864
NAPA		2023 HHDT	Aggregated	Aggregated	DSL	1079.072	117467.5861	10669.54	17.62474	6.664927081	782912.8955
NAPA		2023 LDA	Aggregated	Aggregated	GAS	52428.912	2128641.003	245226.2	63.55707	33.49180765	71292035.03
NAPA		2023 LDA	Aggregated	Aggregated	DSL	692.42862	27557.38935	3192.934	0.544204	50.63795835	1395449.934
NAPA		2023 LDT1	Aggregated	Aggregated	GAS	5844.3023	204101.6305	26298.22	7.326229	27.85902991	5686073.43
NAPA		2023 LDT1	Aggregated	Aggregated	DSL	3.9964184	61.49733826	13.10545	0.002535	24.25929506	1491.882074
NAPA		2023 LDT2	Aggregated	Aggregated	GAS	17888.425	652557.8063	82181.62	25.21987	25.87474485	16884766.74
NAPA		2023 LDT2	Aggregated	Aggregated	DSL	135.93812	5583.022249	654.6094	0.151834	36.77051425	205290.5991
NAPA		2023 LHDT1	Aggregated	Aggregated	GAS	1673.1731	55004.70228	24927.79	6.582208	8.356572865	459650.8025
NAPA		2023 LHDT1	Aggregated	Aggregated	DSL	1811.3152	61534.82208	22784.07	3.455674	17.80689508	1095744.121
NAPA		2023 LHDT2	Aggregated	Aggregated	GAS	227.98639	7559.706339	3396.658	1.031895	7.326045053	55382.74923
NAPA		2023 LHDT2	Aggregated	Aggregated	DSL	612.17988	21493.99423	7700.453	1.350458	15.91607943	342100.1196
NAPA		2023 MHDT	Aggregated	Aggregated	GAS	133.55913	7182.453749	2672.251	1.465464	4.901147842	35202.26769
NAPA		2023 MHDT	Aggregated	Aggregated	DSL	1174.0778	65345.61771	11171.14	6.715842	9.730071087	635817.5056
Worker											
Sum of VMT*FE (Column B)											
95465107.61											
Total VMT											
3018502.349											
Weighted Average FE											
31.62664679											
Vendor											
Sum of VMT*FE (Column B)											
3407130.152											
Total VMT											
335666.9232											
Weighted Average FE											
10.15033033											
Haul											
Sum of VMT*FE (Column B)											
783232.5865											
Total VMT											
117545.6268											
Weighted Average FE											
6.663221829											

Project Construction Assumptions

On-site Construction

Source: AQ/GHG Appendix, CalEEMod Output

Giovanni Logistics Project Phase 2 - AIR-2a - Napa County, Annual

Date: 7/14/2021 1:23 PM

Construction Schedule	Phase Name	Phase Type	Start Date	End Date	Num Days	
					Week	Num Days
Site Preparation	Site Preparation		10/27/2022	11/3/2022	5	6
Grading	Grading		11/4/2022	11/28/2022	5	17
Building Construction	Building Construction		11/29/2022	7/19/2023	5	167
Paving	Paving		7/20/2023	8/4/2023	5	12
Architectural Coating	Architectural Coating		8/5/2023	8/22/2023	5	12

Trips and VMT	Phase Name	Trips per Day			Total Trips			Trips per Phase			VMT per Phase			Fuel Consumption (gallons)				
		Vendor Trip		Hauling Trip	Worker Trip	Vendor	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker	Vendor	Hauling	Worker	Vendor	Hauling		
		Number	Length	Number	Length	Number	Length	Number	Number	Number	Trips	Trips	Trips	Trips	Trips	Trips		
Site Preparation		10	0	0	16.24	7.3	20	HDT_Mix	6	60	0	0	974	0	0	30.81	0.00	0.00
Grading		20	0	0	16.24	7.3	20	HDT_Mix	17	340	0	0	5,522	0	0	174.59	0.00	0.00
Building Construction		1656	646	0	16.24	7.3	20	HDT_Mix	167	276,552	107,882	0	4,491,204	787,539	0	142,006.98	77,587.48	0.00
Paving		15	0	0	16.24	7.3	20	HDT_Mix	12	180	0	0	2,923	0	0	92.43	0.00	0.00
Architectural Coating		331	0	0	16.24	7.3	20	HDT_Mix	12	3,972	0	0	64,505	0	0	2,039.59	0.00	0.00

On-site Total Construction VMT (miles)
5,352,668

On-Site Total Fuel Consumption (gallons)
221,932

Construction Equipment Fuel Calculation

On-site

Source: AQ/GHG Appendix, CalEEMod Output

Giovanni Logistics Project Phase 2 - AIR-2a - Construction Only - Napa County, Annual

Date: 7/14/2021 1:23 PM

Construction Schedule	Phase Name	Phase Type	Start Date	End Date	Num Days	
					Week	Num Days
	Site Preparation	Site Preparation	10/27/2022	11/3/2022	5	6
	Grading	Grading	11/4/2022	11/28/2022	5	17
	Building Construction	Building Construction	11/29/2022	7/19/2023	5	167
	Paving	Paving	7/20/2023	8/4/2023	5	12
	Architectural Coating	Architectural Coating	8/5/2023	8/22/2023	5	12

Construction Equipment	Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load		HP Hours	Diesel Fuel Usage
						Factor	Number of Days		
	Site Preparation	Rubber Tired Dozers	0	7	247	0.4	6	0.00	0.00
	Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	6	6,890.88	344.54
	Grading	Excavators	2	8	158	0.38	17	16,330.88	816.54
	Grading	Graders	1	8	187	0.41	17	10,427.12	521.36
	Grading	Rubber Tired Dozers	1	8	247	0.4	17	13,436.80	671.84
	Grading	Scrapers	2	8	367	0.48	17	47,915.52	2,395.78
	Grading	Tractors/Loaders/Backhoes	2	8	97	0.37	17	9,762.08	488.10
	Building Construction	Cranes	1	7	231	0.29	167	78,311.31	3,915.57
	Building Construction	Forklifts	3	8	89	0.2	167	71,342.40	3,567.12
	Building Construction	Generator Sets	1	8	84	0.74	167	83,045.76	4,152.29
	Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37	167	125,866.23	6,293.31
	Building Construction	Welders	1	8	46	0.45	167	27,655.20	1,382.76
	Paving	Pavers	2	8	130	0.42	12	10,483.20	524.16
	Paving	Paving Equipment	2	8	132	0.36	12	9,123.84	456.19
	Paving	Rollers	2	8	80	0.38	12	5,836.80	291.84
	Architectural Coating	Air Compressors	1	6	78	0.48	12	2,695.68	134.78

Construction Equipment Fuel Consumption 25,956.19 gallons

Notes:

Equipment assumptions are provided in the CalEEMod output files.

Fuel usage estimate of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

South Coast Air Quality Management District. 1993. Air Quality Handbook, Table A9-3E.

Website: <http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook>. Accessed July 22, 2021.

Construction Office Electricity Calculation

Energy Appendix: CalEEMod Typical Construction Trailer

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	12362.4	1.1438	1.9000e-004	2.0000e-005	1.1551
Total		1.1438	1.9000e-004	2.0000e-005	1.1551

kWh/yr = kilowatt hours per year

Energy by Land Use - Electricity

Annual 12,362 kWh/yr
Total Over Construction 10,127 kWh

Total Construction Schedule

Start 10/27/2022
 End 8/22/2023
 Total Calendar Days 299
 Years 0.82

Proposed Operation Fuel Calculation

California Air Resource Board (ARB). 2020. EMFAC2017 Web Database. Website: <https://arb.ca.gov/emfac/2017/>. Accessed July 22, 2021.

EMFAC2017 (v1.0.2) Emissions Inventory

VMT = Vehicle Miles Traveled

Region Type: County

FE = Fuel Economy

Region: NAPA

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

Given								Calculations		
Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Fuel Consumption	FE	VMT*FE
NAPA	2023	LDA	Aggregated	Aggregated	GAS	52428.91211	2128641.003	63.5570652	33.49181	71292035.03
NAPA	2023	LDA	Aggregated	Aggregated	DSL	692.4286197	27557.38935	0.544204195	50.63796	1395449.934
NAPA	2023	LDT1	Aggregated	Aggregated	GAS	5844.30225	204101.6305	7.326228916	27.85903	5686073.43
NAPA	2023	LDT1	Aggregated	Aggregated	DSL	3.996418353	61.49733826	0.002535001	24.2593	1491.882074
NAPA	2023	LDT2	Aggregated	Aggregated	GAS	17888.42526	652557.8063	25.21987406	25.87474	16884766.74
NAPA	2023	LDT2	Aggregated	Aggregated	DSL	135.9381232	5583.022249	0.151834217	36.77051	205290.5991
NAPA	2023	MDV	Aggregated	Aggregated	GAS	13629.96011	455237.6235	21.75932362	20.9215	9524252.567
NAPA	2023	MDV	Aggregated	Aggregated	DSL	369.6548935	14402.664	0.521479992	27.61882	397784.6389
								Vehicles		
								Sum of VMT*FE	105387144.8	
								Total VMT	3488142.636	
								Weighted Average FE	30.21296885 miles/gallon	

Total VMT

Source: AQ/GHG Appendix, CalEEMod Output
 Giovannoni Logistics Phase 2 COLD Op - Napa County, Annual
 Date: 9/22/2021 8:13 PM

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-Rail	1,568.34	1,568.34	1,568.34	4,635,505	4,635,505
Total	1,568.34	1,568.34	1,568.34	4,635,505	4,635,505

	Annual VMT	Fuel	
	(miles)	Consumption	
Total VMT	4,635,505	153,428	gallons per year

Proposed Operation Fuel Calculation

California Air Resource Board (ARB). 2020. EMFAC2017 Web Database. Website: <https://arb.ca.gov/emfac/2017/>. Accessed July 22, 2021.

EMFAC2017 (v1.0.2) Emissions Inventory

VMT = Vehicle Miles Traveled

Region Type: County

FE = Fuel Economy

Region: NAPA

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

Given

Calculations

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Fuel Consumption	FE	VMT*FE
NAPA	2023	HHDT	Aggregated	Aggregated	GAS	0.637410885	78.04076592	0.019050769	4.096463	319.6910864
NAPA	2023	HHDT	Aggregated	Aggregated	DSL	1079.072009	117467.5861	17.62473687	6.664927	782912.8955
Vehicles										
Sum of VMT*FE										783232.5865
Total VMT										117545.6268
Weighted Average FE										6.663221829 miles/gallon

Truck VMT & Fuel

Average One-Way Daily Truck Trips: 528
 Phase 2 Proportion of Building Space: 55.38%
 Assumed Travel Distance (miles): 32.8

	Annual VMT (miles)	Fuel Consumption	
Total VMT	3,500,626	525,365	gallons per year

TRU Fuel Consumption

Source: AQ/GHG Appendix, TRU Emission Rates

Fuel Rate (Gallons/Hour): 0.002255353

Running Time (Hours/Day): 6

TRU Population: 146

Annual Fuel Consumption: 721 gallons

Phase 2 Operation Natural Gas Use

Source: AQ/GHG Appendix, CalEEMod Output
 Giovannoni Logistics Phase 2 COLD Op - Napa County, Annual
 Date: 9/22/2021 8:13 PM

	Natural Gas Use
Refrigerated Warehouse-No Rail	5,020,000
Total Cold Storage	5,020,000 kBTU/yr

kBTU/yr = kilo-British Thermal Units/year

Land Use	Natural Gas Use kBTU/yr
City Park	0
Parking Lot	0
Refrigerated Warehouse-Rail	5.02E+06
Total	

Operation Natural Gas Use

Source: AQ/GHG Appendix, CalEEMod Output
 Giovannoni Logistics Phase 2 DRY Op - Napa County, Annual
 Date: 9/22/2021 8:22 PM

	Natural Gas Use
Unrefrigerated Warehouse-No Rail	4,570,000
Total Dry Storage	4,570,000 kBTU/yr

Land Use	Natural Gas Use kBTU/yr
City Park	0
Parking Lot	0
Unrefrigerated Warehouse-No Rail	4.57E+06
Total	

Phase 2 Operation Electricity Use

Source: AQ/GHG Appendix, CalEEMod Output
 Giovanni Logistics Phase 1 COLD Op - Napa County, Annual
 Date: 9/22/2021 8:07 PM

Cold Storage	Electricity Use
Land Use	(kWh/yr)
Parking Lot	650,926
Refrigerated Warehouse - No Rail	12,900,000
Total Cold Storage	13,550,926 kWh/yr

kWh/yr = kilowatt hours per year

	Electricity Use
Land Use	kWh/yr
City Park	0
Parking Lot	650926
Refrigerated Warehouse-Rail	1.29E+07
Total	

Source: AQ/GHG Appendix, CalEEMod Output
 Giovanni Logistics Phase 1 DRY Op - Napa County, Annual
 Date: 9/22/2021 8:04 PM

Dry Storage	Electricity Use
Land Use	(kWh/yr)
Parking Lot	650,926
Unrefrigerated Warehouse - No Rail	4,650,000
Total Dry Storage	5,300,926 kWh/yr

kWh/yr = kilowatt hours per year

	Electricity Use
Land Use	kWh/yr
City Park	0
Parking Lot	650926
Unrefrigerated Warehouse-No Rail	4.65E+06
Total	

Giovannoni Logistics Project Air Dispersion Modeling and Health Risk Assessment Methodology

Model Assumptions and Methodology

The BAAQMD has developed a set of guidelines¹ that recommends using the American Meteorological Society and Environmental Protection Agency Regulatory Model (AERMOD) air dispersion model to estimate emission concentrations for use in identifying the cancer risk and hazard index associated with sensitive receptor exposure to project construction emissions. The following modeling parameters were employed using AERMOD, Version 21112, to estimate diesel particulate matter (DPM) emission concentrations that were used in the associated cancer risk and hazard calculations.

AERMOD Modeling Parameters

1. Sensitive receptors (e.g., schools, daycare facilities, hospitals, care facilities, residences) in the immediate project vicinity are represented in the model with discrete cartesian receptors. The closest sensitive receptors to the project site, in all directions, include the following:
 - One single-family residence approximately 200 feet southwest of the project site (834 Green Island Road).
 - One single-family residence approximately 315 feet southwest of the project site (850 Green Island Road).
 - One single-family residence approximately 250 feet southwest of the project site (876 Green Island Road).
 - One single-family residence approximately 220 feet southwest of the project site (1190 Green Island Road).
 - One single-family residence approximately 690 feet southwest of the project site (1300 Green Island Road).
 - One single-family residence approximately 1,045 feet southwest of the project site (unknown street address along Green Island Road).
 - One single-family residence approximately 3,150 feet west of the project site (1808 Green Island Road).
 - Two single-family residences approximately 2,510 feet south of the project site (300 & 310 Hess Road).
 - Single-family residential neighborhoods beginning approximately 3,870 feet south of the project site.
 - Calvary Baptist Christian Academy approximately 4,040 feet south of the project site.
 - Multi-family residences approximately 3,690 feet southeast of the project site (110-800 Reliant Way).
 - Several single-family residences approximately 2,180 feet southeast of the project site (along Watson Lane).

¹ Bay Area Air Quality Management District (BAAQMD). 2020. BAAQMD Health Risk Assessment Modeling Protocol. December. Website: https://www.baaqmd.gov/~media/files/ab617-community-health/facility-risk-reduction/documents/baaqmd_hra_modeling_protocol_august_2020-pdf.pdf?la=en. Accessed April 13, 2021.

- One single-family residence approximately 1,790 feet east of the project site (unknown street address along Paoli Loop Road).
 - One single-family residence approximately 1,860 feet northeast of the project site (5775 Broadway).
2. A nested cartesian grid was placed in AERMOD with the following spacing parameters:
 - 20 meters spacing within the project site and up to 200 meters from the project site;
 - 50 meters spacing between 200 and 500 meters from the project site; and
 - 250 meters spacing between 500 and 2,000 meters from the project site.
 - 500 meters spacing between 2,000 and 5,000 meters from the project site.
 3. AERMOD's non-default regulatory dispersion option was selected. Among the dispersion control options available, the Fast All Sources option was selected.
 4. The Urban dispersion coefficient was used as greater than 50 percent of the surrounding three kilometers is developed.
 5. The UTM coordinates used to initially locate the project site are 10 S, 564,796 meters easting, 4,227,956 meters northing.
 6. Emissions were characterized in the model using various area sources to represent different activities. The following describes the emission sources utilized in the model for each model scenario.

Project Scenario 1 (Phase 1 Construction)

- On-site construction activities are represented with one polygon area source across the entire Phase 1 project site.
- Off-site construction hauling and vendor truck operation for Phase 1 is represented with line volume sources along Green Island Road, Devlin Road (existing), and Highway 29.

Project Scenario 2 (Phase 1 Operation & Phase 2 Construction)

- On-site construction activities are represented with one polygon area source across the entire Phase 2 project site.
- Off-site construction hauling and vendor truck operation for Phase 2 is represented with line volume sources along Green Island Road, Devlin Road (existing and new), and Highway 29.
- On-site operational activities are represented with one polygon area source across the entire Phase 1 project site.
- Off-site operational trucking fleet operation for Phase 1 is represented with line volume sources along Green Island Road, Devlin Road (existing and new), and Highway 29.
- Off-site operational rail operation for Phase 1 is represented with one line volume source along the California Northern Railroad railway that connects to the project site.

Project Scenario 3 (Phase 1 & Phase 2 Operation)

- On-site operational activities are represented with one polygon area source across the entire project site.

- Off-site operational trucking fleet operation for the entire project is represented with line volume sources along Green Island Road, Devlin Road (existing and new), and Highway 29.

Off-site emissions were adjusted to only account for off-site emissions that would occur within 1,000 feet of the project site (see Off-Site PM_{2.5} Exhaust Adjustment Sheet of this Appendix). As shown therein, each line volume source was assigned an emission rate equal to its proportion of the off-site emissions based on the length of the respective line volume source divided by the combined length of all line volume source(s).

7. Meteorological data from the Napa County Airport Air Monitoring Station, Station ID 93227. This station was selected as it is the closest monitoring station to the project site, and it resembles physical site characteristics and elevation generally representative of the project site. The Napa County Airport Air Monitoring Station provides preprocessed meteorological data for 2009. The model used all years of available meteorological data.

Estimation of Diesel Particulate Matter Emissions

Construction Diesel Particulate Matter (DPM) emissions—represented as PM_{2.5} exhaust—were estimated using CalEEMod, Version 2020.4.0. Construction of Phase 1 of the project is expected to begin in January 2022 and conclude 10 months later. Construction of Phase 2 of the project is expected to begin immediately following completion of Phase 1 construction and conclude 10 months later in 2023. Construction emissions for both project phases were assumed to be distributed over the project area with a working schedule of 8 hours per day, 5 days per week.

Due to the phased nature of the project, the HRA analyzes the proposed project’s Phase 1 construction DPM emissions for the first year, Phase 1 operational and Phase 2 construction DPM emissions for the second year, and Phase 1 and 2 operational DPM emissions for the remainder of the 30-year exposure duration, consistent with the BAAQMD’s Health Risk Assessment Guidelines.² The HRA also analyzes the proposed project’s Phase 1 construction DPM emissions for the first year, Phase 1 operational and Phase 2 construction DPM emissions for the second year, and Phase 1 and 2 operational DPM emissions of school receptor exposure at the Calvary Baptist Christian Academy and the proposed project’s operational DPM emission concentrations for the remainder of the 13-year exposure duration for a K-12 school, consistent with the BAAQMD’s Health Risk Assessment Guidelines.

To reduce NO_x and GHG emissions to less than significant levels, the proposed project would be required to implement MM AIR-2d, which would require that the trucking fleet utilized during operation of both Project Phases is 2014 model year or newer. As a result, all “Operational DPM” emission estimates displayed below in Table 1 incorporate implementation of MM AIR-2d. Because the proposed project could accommodate the construction and operation of 2.4 million square feet of cold storage space and the subsequent operation of TRUs in addition to truck and passenger vehicle activities, the HRA herein analyzes the cold storage project scenario as a conservative assessment.

² Bay Area Air Quality Management District (BAAQMD). 2016. BAAQMD Air Toxics NSR Program Health Risk Assessment Guidelines. December. Website: https://www.baaqmd.gov/~media/files/planning-and-research/permit-modeling/hra_guidelines_12_7_2016_clean-pdf.pdf?la=en. Accessed September 16, 2021.

Table 1: Project DPM Construction Emissions

Scenario	On-site DPM Project Site (tons/year)	Off-site DPM Road/Rail Segments (tons/year)	Total Local DPM Emissions (tons/year)
Impact Scenario 1 (Construction of Project Phase 1)			
Phase 1 Construction DPM	0.08101	0.03016	0.11117
Impact Scenario 2 (Operation of Project Phase 1 and Construction of Project Phase 2)			
Phase 1 Operational DPM ¹	0.16679	0.72038	0.88717
Phase 2 Construction DPM	0.07044	0.02092	0.09136
Impact Scenario 3 (Operation of Project Phase 1 and Operation of Project Phase 2)			
Phase 1 Operational DPM ¹	0.16679	0.72038	0.88717
Phase 2 Operational DPM ¹	0.19362	0.83642	1.03004
¹ Includes implementation of Mitigation Measure AIR-4 (2014 model year or newer trucking fleet). Source: CalEEMod Output and Construction Health Risk Assessment Calculations; see Appendix B.			

To assess potential health risk impacts to off-site sensitive receptors, the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) air dispersion model was used to estimate the DPM emission concentrations at nearby sensitive receptors within 1,000 feet of the project site.

Estimation of Cancer Risks

The BAAQMD has developed a set of guidelines for estimating cancer risks resulting from exposure to toxic air contaminants (TAC).^{3,4} These guidelines require the use of Hotspots Analysis and Reporting Program (HARP2) software to identify the cancer risk associated with DPM generated during construction activities. The HARP2 risk scenario inputs used to calculate cancer risk during project construction are as follows:

Residential Receptors

1. Analysis Type: Cancer Risk
2. Receptor Type: Individual Resident
3. Scenario 1 Exposure Duration: User Defined (Tier 2) – 1 Year, 3rd Trimester Start Age
4. Scenario 2 Exposure Duration: User Defined (Tier 2) – 1 Year, Age 1 Start Age
5. Scenario 3 Exposure Duration: User Defined (Tier 2) – 28 Years, Age 2 Start Age
6. Intake Rate Percentile: Risk Management Policy (RMP) - *Inhalation Only*
7. Selected: “Apply Molecular Weight Adjustment Factor” factor

³ Bay Area Air Quality Management District (BAAQMD). 2016. BAAQMD Air Toxics NSR Program Health Risk Assessment Guidelines. December. Website: https://www.baaqmd.gov/~media/files/planning-and-research/permit-modeling/hra_guidelines_12_7_2016_clean-pdf.pdf?la=en. Accessed June 22, 2021.

⁴ Bay Area Air Quality Management District (BAAQMD). 2020. BAAQMD Health Risk Assessment Modeling Protocol. December. Website: https://www.baaqmd.gov/~media/files/ab617-community-health/facility-risk-reduction/documents/baaqmd_hra_modeling_protocol-pdf.pdf?la=en. Accessed June 22, 2021.

8. Pathways to Evaluate: Inhalation Only
9. Selected: "Apply fraction of time at residence to age bins less than 16 years"
10. Selected: "Apply fraction of time at residence to age bins greater than or equal to 16 years"
11. Selected: "Use Tier 2 breathing rates (L/kg-day)" factor
12. Selected: "Use Tier 2 fraction of time at residence" factor

School Receptors (Calvary Baptist Christian Academy, K-12)

1. Analysis Type: Cancer Risk
2. Receptor Type: Individual Resident
3. Scenario 1 Exposure Duration: User Defined (Tier 2) – 1 Year, Age 5 Start Age
4. Scenario 2 Exposure Duration: User Defined (Tier 2) – 1 Year, Age 6 Start Age
5. Scenario 3 Exposure Duration: User Defined (Tier 2) – 11 Years, Age 7 Start Age
6. Intake Rate Percentile: 95th (High End)
7. Selected: "Apply Molecular Weight Adjustment Factor" factor
8. Pathways to Evaluate: Inhalation Only
9. Selected: "Use adjustment factors"
10. Exposure frequency (days/year): 180 days
11. Selected: "Use Tier 2 breathing rates (L/kg-day)" factor

Estimation of Non-Cancer Chronic Hazards

An evaluation of the potential non-cancer effects of chronic chemical exposures was also conducted. Adverse health effects are evaluated by comparing the annual receptor concentration of each chemical compound with the appropriate reference exposure limit. Available reference exposure limits promulgated by the California Office of Environmental Health Hazard Assessment (OEHHA) were considered in the assessment.

Risk characterization for non-cancer health hazards from toxic air contaminants (TAC) is expressed as a Hazard Index. The Hazard Index is a ratio of the predicted concentration of the project's emissions to a concentration considered acceptable to public health professionals, termed the reference exposure limit. The Hazard Index assumes that chronic sub-threshold exposures adversely affect a specific organ or organ system (toxicological endpoint). For each discrete chemical exposure, target organs presented in regulatory guidance were used. To calculate the Hazard Index, each chemical concentration or dose is divided by the appropriate toxicity reference exposure level. For compounds affecting the same toxicological endpoint, this ratio is summed. Where the total equals or exceeds 1, a health hazard is presumed to exist. For purposes of this assessment, the TAC of concern is DPM for which the OEHHA has defined a reference exposure limit for DPM of 5 µg/m³. The principal toxicological endpoint assumed in this assessment was through inhalation.

Cancer Risk and Non-Cancer Chronic Hazard Summary

Table 2 summarizes the cancer risk and hazard index results for the maximally impacted receptors (MIR) under each impact scenario. For Impact Scenario 1, the residential MIR represents a single-family residence approximately 1,860 feet northeast of the project site and the school MIR represents the Calvary Baptist Christian Academy. As previously noted, the proposed project would be required to implement MM AIR-2d, requiring the use of a 2014 model year or newer trucking fleet during project

operation. As such, cancer risk and chronic non-cancer hazards shown in Table 2 account for the implementation of MM AIR-2d.

Table 2: Estimated Cancer Risks and Chronic Non-Cancer Hazards (Proposed Project)

Impact Scenario	Cancer Risk ¹ (risk per million)	Chronic Non-Cancer Hazard Index ²	TAC Concentration ³ (µg/m ³)
Residential MIR Impact (Cold Storage Scenario)			
Scenario 1 (Phase 1 Construction)	0.44	<0.01	<0.01
Scenario 2 (Phase 2 Construction, Phase 1 Operation)	1.44	<0.01	0.01
Scenario 3 (Phase 1, Phase 2 Operation)	0.22	0.01	0.04
<i>Total (30 Year Duration)</i>	<i>2.10</i>	<i>0.01</i>	<i>0.05</i>
Thresholds of Significance	10	1	0.3
Exceeds Individual Source Threshold?	No	No	No
School MIR Impact (Cold Storage Scenario)			
Scenario 1 (Phase 1 Construction)	0.01	<0.01	<0.01
Scenario 2 (Phase 2 Construction, Phase 1 Operation)	0.03	<0.01	<0.01
Scenario 3 (Phase 1, Phase 2 Operation)	0.20	<0.01	<0.01
<i>Total (30 Year Duration)</i>	<i>0.24</i>	<i><0.01</i>	<i><0.01</i>
Thresholds of Significance	10	1	0.3
Exceeds Individual Source Threshold?	No	No	No
<p>Notes:</p> <p>¹ Cancer risk is identified by multiplying the risk sum from HARP2 by 1,000,000.</p> <p>² Chronic non-cancer hazard index was estimated by dividing the annual DPM concentration (as PM_{2.5} exhaust) by the DPM reference exposure level of 5 µg/m³.</p> <p>³ TAC concentration taken from AERMOD is always at the MIR identified from the project air dispersion models. The residential MIR was located at 38.20613°N -122.25739°E and the school MIR was identified as the Calvary Baptist Christian Academy.</p> <p>REL = reference exposure level MIR = maximally impacted sensitive receptor µg/m³ = micrograms per cubic meter Emissions Source: Appendix B. Thresholds Source: Bay Area Air Quality Management District (BAAQMD). 2017. California Environmental Quality Act Air Quality Guidelines. May. Website: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en. Accessed April 15, 2021.</p>			

Cumulative Health Risk Assessment

The BAAQMD recommends assessing the potential cumulative impacts from sources of TACs within 1,000 feet of a project. For a project-level analysis, BAAQMD provides several tools for use in screening potential sources of TACs. The BAAQMD-provided tools used to assess the potential cumulative impacts from TACs are described below:

- **Health Risks for Local Roadways.** The BAAQMD pre-calculated concentrations and the associated potential cancer risks and PM_{2.5} concentration increases for each county within their jurisdiction for roadways that carry at least 30,000 average daily trips. For certain areas, the BAAQMD also includes local roadways that meet BAAQMD's "major roadway" criteria of 10,000 vehicles or 1,000 trucks per day. The latest available screening tool is in the form of a Geographic Information System (GIS) raster file.
- **Freeway Screening Analysis Tool.** The BAAQMD prepared a GIS tool that contains pre-estimated cancer risk and PM_{2.5} concentration increases for highways within the Bay Area. The closest highway to the identified MIR is Highway 29, as close as 600 feet east of the project site.
- **Stationary Source Risk and Hazard Screening Tools.** The BAAQMD prepared a web-based tool⁵ with the location of permitted stationary sources. For each emissions source, the BAAQMD provides conservative estimates of cancer risk and PM_{2.5} concentrations. Based on information from the GIS tool, four BAAQMD-permitted stationary sources exist within 1,000 feet of the project site.
- **Rail Screening Tools.** The BAAQMD prepared GIS tools that contains estimated cancer risks and PM_{2.5} concentrations from railroad operations at any point within the Air Basin. The closest rail line to the project site is operated by California Northern Railroad, which will connect directly to Building A during operation of Phase 1 of the proposed project.

A cumulative Health Risk Assessment (HRA) was performed that examined the cumulative impacts of the project's construction emissions and sources of TAC emissions within 1,000 feet of the project site.

The cumulative health risk results, including health risks from the existing stationary source, are summarized during project construction in Table 3. Cumulative health risk results shown therein are representative of the health risks to the residential MIR, which would experience the highest concentration of pollutants.

⁵ Bay Area Air Quality Management District (BAAQMD). 2018. Permitted Stationary Sources Risk and Hazards. Permitted Stationary Sources Risk and Hazards. Website: <https://baaqmd.maps.arcgis.com/apps/webappviewer/index.html?id=2387ae674013413f987b1071715daa65>. Accessed April 16, 2021.

Table 3: Summary of the Cumulative Health Impacts at the MIR during Construction

Source	Source Type	Distance from MIR ¹ (feet)	Cancer Risk (per million)	Chronic HI	PM _{2.5} Concentration (µg/m ³)
Project					
Residential MIR	Diesel Construction Equipment, Trucking Fleets, and Passenger Vehicles	1,860	2.10	0.01	0.05
Existing Stationary Sources (BAAQMD Facility Number)²					
California Stonecraft Facility ID 24284	Polyester Resin Operation	1,455	ND	<0.01	ND
William Kreysler & Assoc Inc Facility ID 12852	Polyester Resin Operation, Solvent Cleaning	1,440	ND	<0.01	ND
City of American Canyon / Accounts Payable Facility ID 14432	Generators	450	0.12	0.00	0.00
All Bay Mill & Lumber Co Facility ID 4793	Woodworking	2,085	ND	ND	0.11
Ikea Facility ID 200845	Generators	1,750	61.11	0.02	0.08
Roadways					
Existing Local Roadway Network		-	0.11	ND	<0.01
Rail					
Existing Rail Lines (California Northern Railroad)		140	4.87	ND	0.01
Freeways					
Existing Freeways (Highway 29)		225	5.58	ND	0.10
Cumulative Health Risks					
Cumulative Maximum with Project DPM Emissions			73.89	0.03	0.35
BAAQMD's Cumulative Thresholds of Significance			100	10	0.8
Threshold Exceedance?			No	No	No
Notes:					
¹ The residential MIR located at 38.20613°N -122.25739°E was identified as the primary MIR here as it would experience the greatest health impact between residential and school receptors.					
² Assumes emissions remain constant with time. Values represent the greatest identified among all MIRs presented in this analysis, including the two previously identified residences and the previously identified school.					
ND = no data available					
Source: Appendix B.					

Phase 1 Project Construction Emissions

Annual Construction Emissions (tons)
(as taken from CalEEMod)

	PM _{2.5} (Exhaust)
Onsite	0.00099
Offsite	0.00000
Site Preparation (2022)	0.00099
Onsite	0.01280
Offsite	0.00052
Grading (2022)	0.01332
Onsite	0.06390
Offsite	0.02960
Building Construction (2022)	0.09350
Onsite	0.00287
Offsite	0.00000
Paving (2022)	0.00287
Onsite	0.00045
Offsite	0.00004
Architectural Coating (2022)	0.00049
Total Onsite	8.101E-02
Total Offsite	3.016E-02

Exhaust PM_{2.5} AERMOD Inputs

	(8 hours/day, 213 workdays)
Construction Hours	1,704.00
Elapsed Hours	5,112.00
Variable Factor	3.00
On-Site Emissions	162.02 pounds
	73,490.98 grams
	1.438E+01 grams/hours
	3.993E-03 grams/sec
Off-Site Emissions	60.32 pounds
	27,360.67 grams
	5.352E+00 grams/hour
	1.487E-03 grams/sec

Mitigation Applied

MM AIR-2a
MM AIR-2b

Mitigation Description

BAAQMD Dust Control BMPs.
Low-VOC coatings and paints during project construction.

Off-Site AERMOD Input Adjustments

Roadway Segment	Length (Miles)	Proportion of Total	PM _{2.5} (Exhaust) Emission Rate (g/sec)
Devlin Road (Existing)	0.5	31.85%	1.004E-04
Green Island Road	0.6	36.31%	1.144E-04
Highway 29	0.5	31.85%	1.004E-04
Totals	1.6	100.00%	3.152E-04

Notes:
¹ Conversion factor of 453.592 grams/pound was used to convert daily emissions expressed in pounds to daily emissions expressed in grams.
² Off-site emissions used in the AERMOD air dispersion model were reduced to account for the proportion of emissions occurring within 1,000 feet of the project site.

Off-Site Emission Adjustment for 1,000-foot Radius of Project Site

Phase Name	Days	Vendor Trip Number (Daily)	Hauling Trip Number (Total)	Vendor Trip Length	Hauling Trip Length
Site Preparation	6	0	0	7.3	20
Grading	17	0	675	7.3	20
Building Construction	168	484	0	7.3	20
Paving	11	0	0	7.3	20
Architectural Coating	11	0	0	7.3	20
Totals		81,312	675		

Diesel-Fueled Vehicle Results		
	Total Vehicle Trips	Vehicle Miles Traveled (VMT)
Vendor Trucks	81,312.00	593,577.60
Hauling Trucks	675	13,500
Total VMT		607,078

AERMOD 1,000-ft Radius Adjustment		
	Total Vehicle Trips	Vehicle Miles Traveled (VMT)
Vendor Trucks	81,312.00	127,659.84
Hauling Trucks	675	1,060
Total VMT		128,719.59

Proportion of off-site emissions occurring within 1,000 of project site:	21.2032%
---	-----------------

Phase 1 Project Construction Emissions

Annual Construction Emissions (tons)
(as taken from CalEEMod)

	PM _{2.5} (Exhaust)
Onsite	0.00099
Offsite	-
Site Preparation (2022)	0.00099
Onsite	0.01280
Offsite	0.00001
Grading (2022)	0.01281
Onsite	0.00913
Offsite	0.00565
Building Construction (2022)	0.01478
Onsite	0.04710
Offsite	0.01520
Building Construction (2023)	0.06230
Onsite	0.00282
Offsite	-
Paving (2023)	0.00282
Onsite	0.00042
Offsite	0.00006
Architectural Coating (2023)	0.00048
Total Onsite	7.04E-02
Total Offsite	2.09E-02

Exhaust PM_{2.5} AERMOD Inputs

	(8 hours/day, 214 workdays)
Construction Hours	1,712.00
Elapsed Hours	5,136.00
Variable Factor	3.00
On-Site Emissions	140.88 pounds
	63,902.04 grams
	1.244E+01 grams/hours
	3.456E-03 grams/sec
Off-Site Emissions	41.84 pounds
	18,978.29 grams
	3.695E+00 grams/hour
	1.026E-03 grams/sec

Mitigation Applied

MM AIR-2a
MM AIR-2b

Mitigation Description

BAAQMD Dust Control BMPs.
Low-VOC coatings and paints during project construction.

Off-Site AERMOD Input Adjustments

Roadway Segment	Length (Miles)	Proportion of Total	PM _{2.5} (Exhaust) Emission Rate (g/sec)
Devlin Road (Existing)	1.0	45.07%	1.350E-04
Green Island Road	0.7	31.46%	9.421E-05
Highway 29	0.5	23.47%	7.030E-05
Totals	2.1	100.00%	2.995E-04

Notes:

¹ Conversion factor of 453.592 grams/pound was used to convert daily emissions expressed in pounds to daily emissions expressed in grams.

² Off-site emissions used in the AERMOD air dispersion model were reduced to account for the proportion of emissions occurring within 1,000 feet of the project site.

Off-Site Emission Adjustment for 1,000-foot Radius of Project Site

Phase Name	Days	Vendor Trip Number (Daily)	Hauling Trip Number (Total)	Vendor Trip Length	Hauling Trip Length
Site Preparation	6	0	0	7.3	20
Grading	17	0	0	7.3	20
Building Construction	167	646	0	7.3	20
Paving	12	0	0	7.3	20
Architectural Coating	12	0	0	7.3	20
Totals		107,882	-		

Diesel-Fueled Vehicle Results		
	Total Vehicle Trips	Vehicle Miles Traveled (VMT)
Vendor Trucks	107,882.00	787,538.60
Hauling Trucks	-	-
Total VMT		787,539

AERMOD 1,000-ft Radius Adjustment		
	Total Vehicle Trips	Vehicle Miles Traveled (VMT)
Vendor Trucks	107,882.00	229,788.66
Hauling Trucks	-	-
Total VMT		229,788.66

Proportion of off-site emissions occurring within 1,000 of project site:	29.1781%
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Phase 1 Project Operational Emissions (COLD Storage Scenario)

Annual Construction Emissions (tons/year) (as taken from CalEEMod)

Emission Source	PM _{2.5} (Exhaust)
Area (Onsite)	0.00003
Energy (Onsite)	0.01510
Mobile - Passenger Vehicle (Onsite)	0.02276
Mobile - Trucks (Onsite)	0.00378
Mobile - TRUs (Onsite)	0.12338
Stationary (Onsite)	0.00174
Total Onsite	0.16679
Mobile - Passenger Vehicles (Offsite)	0.36960
Mobile - Trucks (Offsite)	0.24782
Mobile - TRUs (Offsite)	0.06169
Mobile - Rail (Offsite)	0.04127
Total Offsite	0.72038
Total Onsite	1.67E-01
Total Offsite (Railroad)	4.13E-02
Total Offsite (Roadways)	6.79E-01

Mitigation Applied

MM AIR-2c
MM AIR-2d

Note: To represent onsite passenger vehicle and truck mobile source emissions, associated offsite emission totals were used with a travel distance of 0.5 mile. For passenger vehicles, offsite emissions were multiplied by a factor of 0.5/8.12 to identify onsite emissions. For trucks, offsite emissions were multiplied by a factor of 0.5/32.8 to identify onsite emissions.

Off-Site AERMOD Input Adjustments

Roadway Segment	Length (Miles)	Proportion of Total	PM _{2.5} (Exhaust) Emission Rate (g/sec)
Devlin Road (Existing & New)	1.0	47.29%	1.221E-04
Green Island Road	0.6	28.08%	7.251E-05
Highway 29	0.5	24.63%	6.360E-05
<i>Totals</i>	<i>2.0</i>	<i>100.00%</i>	<i>2.582E-04</i>

Notes:

¹ Conversion factor of 453.592 grams/pound was used to convert daily emissions expressed in pounds to daily emissions expressed in grams.

² Off-site emissions used in the AERMOD air dispersion model were reduced to account for the proportion of emissions occurring within 1,000 feet of the project site.

Off-Site Roadway Activity	Total Travel Distances per Trip	Adjusted for 1,000 ft
Passenger Vehicles	8.12 Miles	2.33%
Trucking Fleet	32.8 Miles	0.58%
Railroad Operations	50 Miles	0.38%

Mitigation Description

Low VOC coatings and paints, electric landscaping equipment
2014 Model Year or newer trucks

Exhaust PM _{2.5} AERMOD Inputs	
Annual Hours	8,760.00
On-Site Emissions	333.58 pounds 151,307.81 grams 1.727E+01 grams/hours 4.798E-03 grams/sec
Off-Site Emissions (Passenger Vehicles)	739.20 pounds 335,295.21 grams 3.83E+01 grams/hour 1.06E-02 grams/sec
Off-Site Emissions (Trucks)	123.38 pounds 55,965.15 grams 6.39E+00 grams/hour 1.77E-03 grams/sec
Off-Site Emissions (Railroad)	82.54 pounds 37,440.00 grams 4.27E+00 grams/hour 1.19E-03 grams/sec
Adjusted for 1,000 ft	4.50E-06 grams/sec

Phase 2 Project Operational Emissions (COLD Storage Scenario)

Annual Construction Emissions (tons/year) (as taken from CalEEMod)

Emission Source	PM _{2.5} (Exhaust)
Area (Onsite)	0.00003
Energy (Onsite)	0.01870
Mobile - Passenger Vehicle (Onsite)	0.02822
Mobile - Trucks (Onsite)	0.00469
Mobile - TRUs (Onsite)	0.14111
Stationary (Onsite)	0.00087
Total Onsite	0.19362
Mobile - Passenger Vehicles (Offsite)	0.45830
Mobile - Trucks (Offsite)	0.30756
Mobile - TRUs (Offsite)	0.07056
Total Offsite	0.83642
Total Onsite	1.94E-01
Total Offsite	8.36E-01

Note: To represent onsite passenger vehicle and truck mobile source emissions, associated offsite emission totals were used with a travel distance of 0.5 mile. For passenger vehicles, offsite emissions were multiplied by a factor of 0.5/8.12 to identify onsite emissions. For trucks, offsite emissions were multiplied by a factor of 0.5/32.8 to identify onsite emissions.

Off-Site AERMOD Input Adjustments

Roadway Segment	Length (Miles)	Proportion of Total	PM _{2.5} (Exhaust) Emission Rate (g/sec)
Devlin Road (Existing & New)	1.0	45.07%	1.439E-04
Green Island Road	0.7	31.46%	1.004E-04
Highway 29	0.5	23.47%	7.493E-05
<i>Totals</i>	2.1	100.00%	3.192E-04

Notes:

¹ Conversion factor of 453.592 grams/pound was used to convert daily emissions expressed in pounds to daily emissions expressed in grams.

² Off-site emissions used in the AERMOD air dispersion model were reduced to account for the proportion of emissions occurring within 1,000 feet of the project site.

Off-Site Roadway Activity	Total Travel Distances per Trip	Adjusted for 1,000 ft
Passenger Vehicles	8.12 Miles	2.33%
Trucking Fleet	32.8 Miles	0.58%

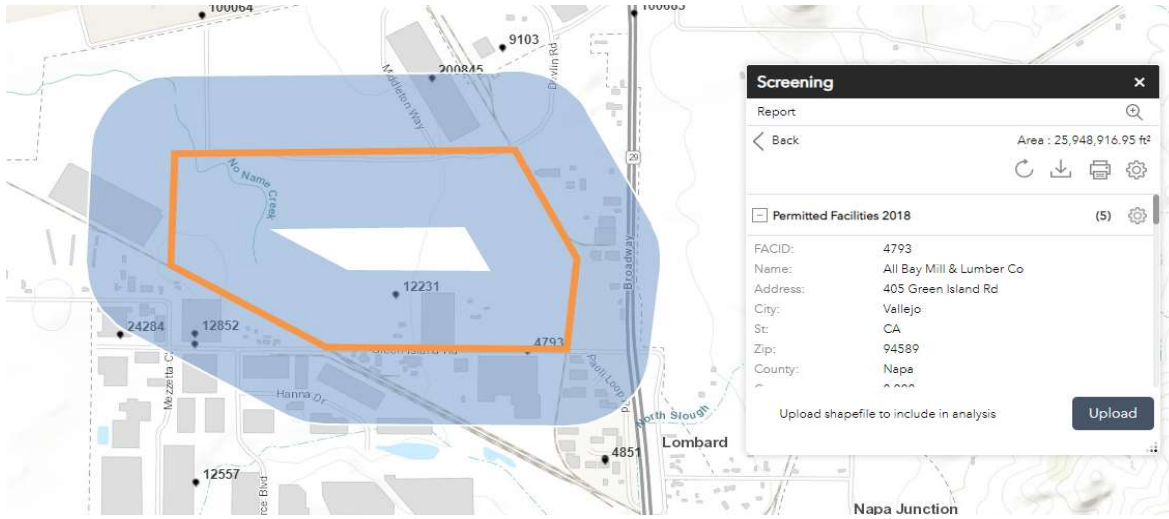
Mitigation Applied	Mitigation Description
MM AIR-2c	Low VOC coatings and paints, electric landscaping equipment
MM AIR-2d	2014 Model Year or newer trucks

Exhaust PM_{2.5} AERMOD Inputs

Annual Hours	8,760.00
On-Site Emissions	387.24 pounds 175,648.69 grams 2.005E+01 grams/hours <div style="border: 1px solid black; display: inline-block; padding: 2px;"> 5.570E-03 grams/sec </div>
Off-Site Emissions (Passenger Vehicles)	916.60 pounds 415,762.43 grams 4.75E+01 grams/hour 1.32E-02 grams/sec
Off-Site Emissions (Trucks)	141.11 pounds 64,006.72 grams 7.31E+00 grams/hour 2.03E-03 grams/sec

Existing Stationary Sources within 1,000 Feet of the Project

Lat, Long Project Site: 38.198968°, -122.265359°



Permitted Stationary Sources within 1,000 feet of the Project Site:

- 1 Facility ID 24284 California Stonecraft, 1111 Green Island Road
- 2 Facility ID 12852 William Kreysler & Assoc Inc, 501 Green Island Road
- 3 Facility ID 14432 City of American Canyon / Accounts Payable, Commerce Blvd & Green Island Road
- 4 Facility ID 4793 All Bay Mill & Lumber Co, 405 Green Island Road
- 5 Facility ID 200845 Ikea, 1 Middleton Way

Note: Facility ID 12231's location is misrepresented on the image above. This facility is further to the south, greater than 1,000 feet from the Project Site.

California Stonecraft	
Facility ID	24284
Name	California Stonecraft
Address	1111 Green Island Road
City	American Canyon
St	CA
Zip	94503
County	Napa
Cancer (per million)	0.000
Hazard	0.000
PM _{2.5} (ug/m ³)	0.000
Type	Contact BAAQMD
Latitude	38.196
Longitude	-122.277

Distance from MIR: 1,455 feet

Data provided by BAAQMD:

Cancer Risk No Data
 Hazard 0.00091131
 PM_{2.5} (ug/m³) No Data
 Source Type Polyester Resin Operation (1)

Generic Case						
Distance (meters)	Distance (feet)	Multiplier	Enter Risk or Hazard	Adjusted Risk or Hazard	Enter PM _{2.5} Concentration	Adjusted PM _{2.5} Concentration
0	0.0	1.000		0		0
295	967.8	0.136		0		0
300	984.3	0.132	0.0009113	0.000120061		0

William Kreysler & Assoc Inc

Facility ID 12852
 Name William Kreysler & Assoc Inc
 Address 501 Green Island Road
 City American Canyon
 St CA
 Zip 94503
 County Napa
 Cancer (per million) 0.000
 Hazard 0.030
 PM_{2.5} (ug/m3) 0.000
 Type Contact BAAQMD
 Latitude 38.196
 Longitude -122.274

Distance from MIR: 1,440 feet

Data provided by BAAQMD:

Cancer Risk No Data
 Hazard 0.02724599
 PM_{2.5} (ug/m3) No Data
 Source Type Polyester Resin Operation (2), Solvent Cleaning (1)

Generic Case						
Distance (meters)	Distance (feet)	Multiplier	Enter Risk or Hazard	Adjusted Risk or Hazard	Enter PM2.5 Concentration	Adjusted PM2.5 Concentration
0	0.0	1.000		0		0
295	967.8	0.136		0		0
300	984.3	0.132	0.027246	0.003589568		0

City of American Canyon / Accounts Payable

Facility ID 14432
 Name City of American Canyon / Accounts Payable
 Address Commerce Blvd & Green Island Rd
 City American Canyon
 St CA
 Zip 94589
 County Napa
 Cancer (per million) 0.830
 Hazard 0.000
 PM_{2.5} (ug/m3) 0.000
 Type Generators
 Latitude 38.195
 Longitude -122.274

Distance from MIR: 450 feet

Diesel Backup Generator						
Distance (meters)	Distance (feet)	Distance adjustment multiplier	Enter Risk or Hazard	Adjusted Risk or Hazard	Enter PM2.5 Concentration	Adjusted PM2.5 Concentration
0	0.0	1.000		0		0
120	393.7	0.16		0		0
130	426.5	0.15	0.83	0.1245		0

All Bay Mill & Lumber Co

Facility ID 4793
 Name All Bay Mill & Lumber Co
 Address 405 Green Island Rd
 City Vallejo
 St CA
 Zip 94589
 County Napa
 Cancer (per million) 0.000
 Hazard 0.000
 PM_{2.5} (ug/m3) 0.850
 Type Contact BAAQMD
 Latitude 38.195
 Longitude -122.260

Distance from MIR: 2,085 feet

Data provided by BAAQMD:

Cancer Risk No Data
 Hazard No Data
 PM_{2.5} (ug/m3) 0.8487176
 Source Type Woodworking (2)

Generic Case						
Distance (meters)	Distance (feet)	Multiplier	Enter Risk or Hazard	Adjusted Risk or Hazard	Enter PM2.5 Concentration	Adjusted PM2.5 Concentration
0	0.0	1.000		0		0
295	967.8	0.136		0		0
300	984.3	0.132		0	0.8487176	0.111815656

Ikea

Facility ID 200845
 Name Ikea
 Address 1 MIDDLETON WAY
 City AMERICAN CYN
 St CA
 Zip 94503
 County Napa
 Cancer (per million) 0.000
 Hazard 0.000
 PM_{2.5} (ug/m3) 0.000
 Type Contact BAAQMD
 Latitude 38.205
 Longitude -122.264

Distance from MIR: 1,750 feet

Data provided by BAAQMD:

Cancer Risk 463.811256
 Hazard 0.12463154
 PM_{2.5} (ug/m3) 0.58389909
 Source Type Generators

Diesel Backup Generator						
Distance (meters)	Distance (feet)	Distance adjustment multiplier	Enter Risk or Hazard	Adjusted Risk or Hazard	Enter PM2.5 Concentration	Adjusted PM2.5 Concentration
0	0.0	1.000		0		0
295	967.8	0.136		0		0
300	984.3	0.132	463.81126	61.10555563	0.5838991	0.07692672
295	967.8	0.136		0		0
300	984.3	0.132	0.1246315	0.016419776		0

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: HighEnd

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 5
Total Exposure Duration: 1

Exposure Duration Bin Distribution

3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: Moderate8HR

****Worker Adjustment Factors****

NOTE: The worker adjustment factors below are only used for cancer assessments. However, the GLC adjustment factor is also applied to 8-hr noncancer chronic assessments.

Worker adjustments factors enabled: YES

GLC adjustment factor: 1
Exposure frequency: 180

****Fraction at time at home****
3rd Trimester to 16 years: ON
16 years to 70 years: ON

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|EF changed|DBRs changed|FAH changed|

Calculating cancer risk

Cancer risk saved to: C:\Users\lpark\OneDrive - ADEC Solutions USA, Inc\Desktop\01. Project Files\5460.0001

Giovannoni\HRA\HARP2\Sc 1_School_CancerRisk.csv

HRA ran successfully

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: HighEnd

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 6
Total Exposure Duration: 1

Exposure Duration Bin Distribution

3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors

NOTE: The worker adjustment factors below are only used for cancer assessments. However, the GLC adjustment factor is also applied to 8-hr noncancer chronic assessments.

Worker adjustments factors enabled: YES

GLC adjustment factor: 1
Exposure frequency: 180

****Fraction at time at home****
3rd Trimester to 16 years: ON
16 years to 70 years: ON

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|EF changed|DBRs changed|FAH changed|

Calculating cancer risk

Cancer risk saved to: C:\Users\lpark\OneDrive - ADEC Solutions USA, Inc\Desktop\01. Project Files\5460.0001

Giovannoni\HRA\HARP2\Sc 2_School_CancerRisk.csv

HRA ran successfully

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: HighEnd

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 11
Total Exposure Duration: 7

Exposure Duration Bin Distribution

3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 5
16<30 Years Bin: 2
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: Moderate8HR

****Worker Adjustment Factors****

NOTE: The worker adjustment factors below are only used for cancer assessments. However, the GLC adjustment factor is also applied to 8-hr noncancer chronic assessments.

Worker adjustments factors enabled: YES

GLC adjustment factor: 1
Exposure frequency: 180

****Fraction at time at home****
3rd Trimester to 16 years: ON
16 years to 70 years: ON

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|EF changed|DBRs changed|FAH changed|

Calculating cancer risk

Cancer risk saved to: C:\Users\lpark\OneDrive - ADEC Solutions USA, Inc\Desktop\01. Project Files\5460.0001

Giovannoni\HRA\HARP2\Sc 3_School_CancerRisk.csv

HRA ran successfully

Dispersion Options

Titles C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000	
Dispersion Options <input type="checkbox"/> Regulatory Default <input checked="" type="checkbox"/> Non-Default Options	Dispersion Coefficient Urban Population: Name (Optional): Roughness Length:
<input checked="" type="checkbox"/> Elevated Terrain <input type="checkbox"/> No Stack-Tip Downwash (NOSTD) <input type="checkbox"/> Run in Screening Mode <input type="checkbox"/> Conversion of NOx to NO2 (OLM or PVMRM) <input type="checkbox"/> No Checks for Non-Sequential Met Data <input checked="" type="checkbox"/> Fast All Sources (FASTALL) <input type="checkbox"/> Fast Area Sources (FASTAREA) <input type="checkbox"/> Optimized Area Source Plume Depletion <input type="checkbox"/> Gas Deposition	Output Type <input checked="" type="checkbox"/> Concentration <input type="checkbox"/> Total Deposition (Dry & Wet) <input type="checkbox"/> Dry Deposition <input type="checkbox"/> Wet Deposition
<div style="border: 1px solid black; padding: 5px;"> BETA Options: <input type="checkbox"/> Capped and Horizontal Stack Releases <input type="checkbox"/> Adjusted Friction Velocity (u*) in AERMET (ADJ_U*) <input type="checkbox"/> Low Wind Options </div> <input type="checkbox"/> SCIM (Sampled Chronological Input Model) <input type="checkbox"/> Ignore Urban Night / Daytime Transition (NOURBTRAN)	Plume Depletion <input type="checkbox"/> Dry Removal <input type="checkbox"/> Wet Removal
	Output Warnings <input type="checkbox"/> No Output Warnings <input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type PM2.5	Exponential Decay <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Averaging Time Options Hours <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 24 <input type="checkbox"/> Month <input checked="" type="checkbox"/> Period <input type="checkbox"/> Annual	Terrain Height Options <input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated SO: Meters RE: Meters TG: Meters
Flagpole Receptors <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Default Height = 1.50 m	

Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

Detailed Error Listing File

Filename: 54600001 Giovannoni Logistics_Scenario 1.err

Source Pathway - Source Inputs

AERMOD

Polygon Area Sources

Source Type: AREA POLY

Source: PHS1 (On-Site Phase 1)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
11.00	2.40	1.33E-8		18	564212.56	4227961.55
		1.33E-8			564355.03	4227962.60
		1.33E-8			564353.97	4227981.62
		1.33E-8			564614.97	4227980.57
		1.33E-8			564617.26	4227741.88
		1.33E-8			564885.02	4227742.53
		1.33E-8			564926.24	4228037.45
		1.33E-8			564925.04	4228076.51
		1.33E-8			564915.88	4228111.98
		1.33E-8			564900.33	4228149.05
		1.33E-8			564766.46	4228356.75
		1.33E-8			564586.25	4228355.22
		1.33E-8			564586.25	4228313.99
		1.33E-8			564505.31	4228278.87
		1.33E-8			564418.27	4228339.95
		1.33E-8			564348.02	4228309.41
		1.33E-8			564262.82	4228292.10
		1.33E-8			564209.96	4228293.89

Source Pathway - Source Inputs

AERMOD

Line Volume Sources

Source Type: LINE VOLUME

Source: DEVLIN (Devlin Road Off-Site)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
10.00	0.00010		564211.12	4228293.96	10.03	2.55
			564209.77	4228485.17	10.00	2.55
			564399.41	4228484.52	11.00	2.55
			564463.05	4228498.80	11.64	2.55
			564538.38	4228499.45	12.00	2.55
			564579.95	4228500.10	12.00	2.55
			564606.57	4228504.00	12.00	2.55
			564638.40	4228513.09	12.04	2.55
			564659.83	4228522.83	12.10	2.55
			564731.91	4228561.80	13.00	2.55
			564766.63	4228583.16	13.00	2.55
			564784.29	4228597.51	13.17	2.55
			564803.06	4228621.25	14.00	2.55
			564819.62	4228648.30	14.00	2.55
			564827.90	4228666.60	14.82	2.55
			564832.29	4228690.53	14.99	2.55
			564834.68	4228709.28	14.98	2.55
			564837.74	4228744.21	15.07	2.55
			564836.98	4228744.21	15.07	2.55

Source Type: LINE VOLUME

Source: GREENISLAND (Green Island Road Off-site)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
10.00	0.00011		564204.23	4227734.14	10.00	2.55
			565109.93	4227732.71	18.99	2.55

Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: HWY29 (Highway 29 Off-site)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
36.00	0.00010		565127.67	4228418.04	16.10	2.55
			565129.85	4227839.68	19.00	2.55
			565134.89	4227733.13	19.00	2.55
			565150.65	4227594.12	19.47	2.55
			565159.57	4227514.30	19.06	2.55

Source Pathway - Source Inputs

AERMOD

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
GREENISLAND	L0000983	564209.23	4227734.14	10.19	2.55	1.26E-6	10.00		4.65	2.37
	L0000984	564219.23	4227734.12	10.52	2.55	1.26E-6	10.00		4.65	2.37
	L0000985	564229.23	4227734.11	10.85	2.55	1.26E-6	10.00		4.65	2.37
	L0000986	564239.23	4227734.09	11.00	2.55	1.26E-6	10.00		4.65	2.37
	L0000987	564249.23	4227734.07	11.00	2.55	1.26E-6	10.00		4.65	2.37
	L0000988	564259.23	4227734.06	11.00	2.55	1.26E-6	10.00		4.65	2.37
	L0000989	564269.23	4227734.04	11.00	2.55	1.26E-6	10.00		4.65	2.37
	L0000990	564279.23	4227734.03	11.00	2.55	1.26E-6	10.00		4.65	2.37
	L0000991	564289.23	4227734.01	11.00	2.55	1.26E-6	10.00		4.65	2.37
	L0000992	564299.23	4227733.99	11.00	2.55	1.26E-6	10.00		4.65	2.37
	L0000993	564309.23	4227733.98	11.00	2.55	1.26E-6	10.00		4.65	2.37
	L0000994	564319.23	4227733.96	11.00	2.55	1.26E-6	10.00		4.65	2.37
	L0000995	564329.23	4227733.95	11.00	2.55	1.26E-6	10.00		4.65	2.37
	L0000996	564339.23	4227733.93	11.00	2.55	1.26E-6	10.00		4.65	2.37
	L0000997	564349.23	4227733.92	11.00	2.55	1.26E-6	10.00		4.65	2.37
	L0000998	564359.23	4227733.90	11.19	2.55	1.26E-6	10.00		4.65	2.37
	L0000999	564369.23	4227733.88	11.52	2.55	1.26E-6	10.00		4.65	2.37
	L0001000	564379.23	4227733.87	11.85	2.55	1.26E-6	10.00		4.65	2.37
	L0001001	564389.23	4227733.85	12.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001002	564399.23	4227733.84	12.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001003	564409.23	4227733.82	12.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001004	564419.23	4227733.80	12.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001005	564429.23	4227733.79	12.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001006	564439.23	4227733.77	12.00	2.55	1.26E-6	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREENISLAND	L0001007	564449.23	4227733.76	12.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001008	564459.23	4227733.74	12.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001009	564469.23	4227733.73	12.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001010	564479.23	4227733.71	12.19	2.55	1.26E-6	10.00		4.65	2.37
	L0001011	564489.23	4227733.69	12.52	2.55	1.26E-6	10.00		4.65	2.37
	L0001012	564499.23	4227733.68	12.85	2.55	1.26E-6	10.00		4.65	2.37
	L0001013	564509.23	4227733.66	13.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001014	564519.23	4227733.65	13.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001015	564529.23	4227733.63	13.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001016	564539.23	4227733.61	13.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001017	564549.23	4227733.60	13.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001018	564559.23	4227733.58	13.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001019	564569.23	4227733.57	13.19	2.55	1.26E-6	10.00		4.65	2.37
	L0001020	564579.23	4227733.55	13.52	2.55	1.26E-6	10.00		4.65	2.37
	L0001021	564589.23	4227733.54	13.85	2.55	1.26E-6	10.00		4.65	2.37
	L0001022	564599.23	4227733.52	14.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001023	564609.23	4227733.50	14.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001024	564619.23	4227733.49	14.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001025	564629.23	4227733.47	14.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001026	564639.23	4227733.46	14.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001027	564649.23	4227733.44	14.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001028	564659.23	4227733.42	14.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001029	564669.23	4227733.41	14.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001030	564679.23	4227733.39	14.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001031	564689.23	4227733.38	14.00	2.55	1.26E-6	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREENISLAND	L0001032	564699.23	4227733.36	14.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001033	564709.23	4227733.35	14.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001034	564719.23	4227733.33	14.19	2.55	1.26E-6	10.00		4.65	2.37
	L0001035	564729.23	4227733.31	14.52	2.55	1.26E-6	10.00		4.65	2.37
	L0001036	564739.23	4227733.30	14.85	2.55	1.26E-6	10.00		4.65	2.37
	L0001037	564749.23	4227733.28	15.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001038	564759.23	4227733.27	15.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001039	564769.23	4227733.25	15.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001040	564779.23	4227733.24	15.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001041	564789.23	4227733.22	15.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001042	564799.23	4227733.20	15.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001043	564809.23	4227733.19	15.19	2.55	1.26E-6	10.00		4.65	2.37
	L0001044	564819.23	4227733.17	15.52	2.55	1.26E-6	10.00		4.65	2.37
	L0001045	564829.23	4227733.16	15.85	2.55	1.26E-6	10.00		4.65	2.37
	L0001046	564839.23	4227733.14	16.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001047	564849.23	4227733.12	16.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001048	564859.23	4227733.11	16.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001049	564869.23	4227733.09	16.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001050	564879.23	4227733.08	16.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001051	564889.23	4227733.06	16.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001052	564899.23	4227733.05	16.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001053	564909.23	4227733.03	16.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001054	564919.23	4227733.01	16.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001055	564929.23	4227733.00	16.19	2.55	1.26E-6	10.00		4.65	2.37
	L0001056	564939.23	4227732.98	16.52	2.55	1.26E-6	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREENISLAND	L0001057	564949.23	4227732.97	16.85	2.55	1.26E-6	10.00		4.65	2.37
	L0001058	564959.23	4227732.95	17.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001059	564969.23	4227732.93	17.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001060	564979.23	4227732.92	17.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001061	564989.23	4227732.90	17.19	2.55	1.26E-6	10.00		4.65	2.37
	L0001062	564999.23	4227732.89	17.52	2.55	1.26E-6	10.00		4.65	2.37
	L0001063	565009.23	4227732.87	17.85	2.55	1.26E-6	10.00		4.65	2.37
	L0001064	565019.23	4227732.86	18.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001065	565029.23	4227732.84	18.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001066	565039.23	4227732.82	18.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001067	565049.23	4227732.81	18.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001068	565059.23	4227732.79	18.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001069	565069.23	4227732.78	18.00	2.55	1.26E-6	10.00		4.65	2.37
	L0001070	565079.23	4227732.76	18.19	2.55	1.26E-6	10.00		4.65	2.37
	L0001071	565089.23	4227732.74	18.52	2.55	1.26E-6	10.00		4.65	2.37
	L0001072	565099.23	4227732.73	18.85	2.55	1.26E-6	10.00		4.65	2.37
	L0001073	565109.23	4227732.71	19.00	2.55	1.26E-6	10.00		4.65	2.37

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
HWY29	L0001074	565127.74	4228400.04	15.83	2.55	4.02E-6	36.00		16.74	2.37
	L0001075	565127.88	4228364.04	15.81	2.55	4.02E-6	36.00		16.74	2.37
	L0001076	565128.01	4228328.04	15.81	2.55	4.02E-6	36.00		16.74	2.37
	L0001077	565128.15	4228292.04	15.82	2.55	4.02E-6	36.00		16.74	2.37
	L0001078	565128.28	4228256.04	15.94	2.55	4.02E-6	36.00		16.74	2.37
	L0001079	565128.42	4228220.04	16.00	2.55	4.02E-6	36.00		16.74	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
HWY29	L0001080	565128.55	4228184.04	16.07	2.55	4.02E-6	36.00		16.74	2.37
	L0001081	565128.69	4228148.04	17.00	2.55	4.02E-6	36.00		16.74	2.37
	L0001082	565128.82	4228112.04	17.40	2.55	4.02E-6	36.00		16.74	2.37
	L0001083	565128.96	4228076.04	17.84	2.55	4.02E-6	36.00		16.74	2.37
	L0001084	565129.10	4228040.04	17.98	2.55	4.02E-6	36.00		16.74	2.37
	L0001085	565129.23	4228004.04	18.00	2.55	4.02E-6	36.00		16.74	2.37
	L0001086	565129.37	4227968.04	18.23	2.55	4.02E-6	36.00		16.74	2.37
	L0001087	565129.50	4227932.04	18.93	2.55	4.02E-6	36.00		16.74	2.37
	L0001088	565129.64	4227896.04	19.00	2.55	4.02E-6	36.00		16.74	2.37
	L0001089	565129.77	4227860.04	19.00	2.55	4.02E-6	36.00		16.74	2.37
	L0001090	565130.59	4227824.06	19.00	2.55	4.02E-6	36.00		16.74	2.37
	L0001091	565132.29	4227788.10	19.00	2.55	4.02E-6	36.00		16.74	2.37
	L0001092	565133.99	4227752.14	19.00	2.55	4.02E-6	36.00		16.74	2.37
	L0001093	565136.80	4227716.27	19.10	2.55	4.02E-6	36.00		16.74	2.37
	L0001094	565140.86	4227680.50	19.24	2.55	4.02E-6	36.00		16.74	2.37
	L0001095	565144.91	4227644.73	19.37	2.55	4.02E-6	36.00		16.74	2.37
	L0001096	565148.97	4227608.96	19.51	2.55	4.02E-6	36.00		16.74	2.37
	L0001097	565152.99	4227573.18	19.36	2.55	4.02E-6	36.00		16.74	2.37
	L0001098	565156.99	4227537.40	19.00	2.55	4.02E-6	36.00		16.74	2.37
Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
DEVLIN	L0001099	564211.09	4228298.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001100	564211.02	4228308.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001101	564210.95	4228318.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001102	564210.88	4228328.96	10.00	2.55	1.06E-6	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEVLIN	L0001103	564210.81	4228338.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001104	564210.74	4228348.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001105	564210.66	4228358.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001106	564210.59	4228368.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001107	564210.52	4228378.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001108	564210.45	4228388.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001109	564210.38	4228398.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001110	564210.31	4228408.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001111	564210.24	4228418.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001112	564210.17	4228428.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001113	564210.10	4228438.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001114	564210.03	4228448.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001115	564209.96	4228458.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001116	564209.89	4228468.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001117	564209.82	4228478.96	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001118	564213.57	4228485.15	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001119	564223.57	4228485.12	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001120	564233.57	4228485.08	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001121	564243.57	4228485.05	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001122	564253.57	4228485.02	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001123	564263.57	4228484.98	10.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001124	564273.57	4228484.95	10.33	2.55	1.06E-6	10.00		4.65	2.37
	L0001125	564283.57	4228484.91	10.66	2.55	1.06E-6	10.00		4.65	2.37
	L0001126	564293.57	4228484.88	11.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001127	564303.57	4228484.85	11.00	2.55	1.06E-6	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEVLIN	L0001128	564313.57	4228484.81	11.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001129	564323.57	4228484.78	11.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001130	564333.57	4228484.74	11.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001131	564343.57	4228484.71	11.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001132	564353.57	4228484.67	11.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001133	564363.57	4228484.64	11.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001134	564373.57	4228484.61	11.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001135	564383.57	4228484.57	11.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001136	564393.57	4228484.54	11.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001137	564403.47	4228485.43	11.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001138	564413.22	4228487.62	11.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001139	564422.98	4228489.81	11.04	2.55	1.06E-6	10.00		4.65	2.37
	L0001140	564432.74	4228492.00	11.12	2.55	1.06E-6	10.00		4.65	2.37
	L0001141	564442.50	4228494.19	11.25	2.55	1.06E-6	10.00		4.65	2.37
	L0001142	564452.25	4228496.38	11.53	2.55	1.06E-6	10.00		4.65	2.37
	L0001143	564462.01	4228498.57	11.77	2.55	1.06E-6	10.00		4.65	2.37
	L0001144	564471.98	4228498.88	11.97	2.55	1.06E-6	10.00		4.65	2.37
	L0001145	564481.98	4228498.97	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001146	564491.98	4228499.05	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001147	564501.98	4228499.14	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001148	564511.98	4228499.23	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001149	564521.98	4228499.31	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001150	564531.98	4228499.40	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001151	564541.98	4228499.51	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001152	564551.98	4228499.67	12.00	2.55	1.06E-6	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEVLIN	L0001153	564561.98	4228499.82	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001154	564571.98	4228499.98	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001155	564581.95	4228500.40	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001156	564591.85	4228501.84	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001157	564601.74	4228503.29	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001158	564611.50	4228505.41	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001159	564621.11	4228508.15	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001160	564630.73	4228510.90	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001161	564640.24	4228513.93	12.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001162	564649.34	4228518.07	12.05	2.55	1.06E-6	10.00		4.65	2.37
	L0001163	564658.44	4228522.20	12.33	2.55	1.06E-6	10.00		4.65	2.37
	L0001164	564667.29	4228526.87	12.65	2.55	1.06E-6	10.00		4.65	2.37
	L0001165	564676.09	4228531.62	12.88	2.55	1.06E-6	10.00		4.65	2.37
	L0001166	564684.88	4228536.38	13.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001167	564693.68	4228541.13	13.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001168	564702.48	4228545.89	13.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001169	564711.27	4228550.64	13.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001170	564720.07	4228555.40	13.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001171	564728.87	4228560.15	13.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001172	564737.48	4228565.23	13.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001173	564746.00	4228570.47	13.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001174	564754.52	4228575.71	13.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001175	564763.03	4228580.95	13.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001176	564771.11	4228586.80	13.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001177	564778.87	4228593.11	13.10	2.55	1.06E-6	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
DEVLIN	L0001178	564786.16	4228599.88	13.33	2.55	1.06E-6	10.00		4.65	2.37
	L0001179	564792.37	4228607.72	13.64	2.55	1.06E-6	10.00		4.65	2.37
	L0001180	564798.57	4228615.57	13.88	2.55	1.06E-6	10.00		4.65	2.37
	L0001181	564804.50	4228623.60	14.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001182	564809.72	4228632.13	14.00	2.55	1.06E-6	10.00		4.65	2.37
	L0001183	564814.94	4228640.66	14.06	2.55	1.06E-6	10.00		4.65	2.37
	L0001184	564820.05	4228649.25	14.24	2.55	1.06E-6	10.00		4.65	2.37
	L0001185	564824.17	4228658.36	14.50	2.55	1.06E-6	10.00		4.65	2.37
	L0001186	564828.07	4228667.54	14.81	2.55	1.06E-6	10.00		4.65	2.37
	L0001187	564829.88	4228677.37	14.87	2.55	1.06E-6	10.00		4.65	2.37
	L0001188	564831.68	4228687.21	14.93	2.55	1.06E-6	10.00		4.65	2.37
	L0001189	564833.13	4228697.10	14.98	2.55	1.06E-6	10.00		4.65	2.37
	L0001190	564834.39	4228707.02	15.02	2.55	1.06E-6	10.00		4.65	2.37
	L0001191	564835.36	4228716.97	15.06	2.55	1.06E-6	10.00		4.65	2.37
	L0001192	564836.23	4228726.93	15.09	2.55	1.06E-6	10.00		4.65	2.37
	L0001193	564837.10	4228736.90	15.11	2.55	1.06E-6	10.00		4.65	2.37

Receptor Pathway

AERMOD

Receptor Networks

Note: Terrain Elevations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
 Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	563846.99	4227763.17		9.00	
2	563152.88	4227961.87		10.03	
3	563514.22	4227959.26		10.45	
4	563487.56	4227974.48		10.12	
5	563482.14	4227991.20		10.97	
6	563427.00	4227966.19		10.00	
7	563425.95	4227956.25		10.00	
8	563265.64	4227970.13		9.00	
9	562505.78	4227951.68		3.18	
10	563810.19	4227762.07		9.00	
11	563740.68	4227815.91		9.00	
12	564832.15	4226970.55		18.57	
13	564869.92	4226938.63		17.38	
14	565044.27	4226568.58		18.00	
15	564973.13	4226565.86		18.00	
16	564955.94	4226541.29		18.00	
17	564893.17	4226549.81		22.03	
18	565028.87	4226540.35		18.00	
19	565035.66	4226521.39		18.00	
20	565038.10	4226497.30		18.00	
21	565000.82	4226474.49		18.00	
22	565008.62	4226449.37		18.00	
23	565042.99	4226474.21		18.00	
24	565049.05	4226447.64		18.00	
25	565049.05	4226421.36		18.00	
26	565437.70	4226745.61		20.00	
27	565456.18	4226744.45		20.00	
28	565498.35	4226743.87		21.00	
29	565514.23	4226744.16		21.00	
30	565441.17	4226713.84		20.00	

Receptor Pathway

AERMOD

31	565459.65	4226713.55	20.00
32	565517.12	4226698.53	21.00
33	565516.25	4226683.80	21.00
34	565482.47	4226674.27	20.63
35	565483.33	4226658.68	20.66
36	565433.95	4226666.19	20.00
37	565434.24	4226653.48	20.00
38	565444.63	4226624.31	20.00
39	565463.98	4226624.31	20.01
40	565509.03	4226631.82	21.00
41	565509.03	4226617.38	21.00
42	565314.45	4227270.70	20.00
43	565291.64	4227217.62	19.00
44	565309.08	4227218.00	19.00
45	565384.70	4227209.41	20.00
46	565449.84	4227190.61	20.00
47	565496.35	4227202.46	20.28
48	565481.62	4227270.05	21.00
49	565516.57	4227270.92	21.00
50	565553.69	4227134.21	22.00
51	565613.85	4227214.51	22.01
52	565588.48	4227278.18	22.85
53	565625.01	4227289.45	24.49
54	565729.83	4227269.14	29.12
55	565890.63	4227286.35	34.23
56	565430.90	4227667.38	23.64
57	565017.44	4228947.47	20.67
58	566101.79	4227980.30	40.54
59	566081.49	4228935.03	70.63
60	564793.53	4226912.96	21.04
61	564970.33	4226914.23	16.00
62	565009.97	4226624.20	18.00
63	564973.04	4226624.09	18.00
64	564972.69	4226614.91	18.00
65	564928.06	4226614.73	18.85
66	564928.06	4226608.07	18.85
67	564884.55	4226608.07	21.49
68	564848.83	4226641.41	22.74

Receptor Pathway

AERMOD

69	564798.44	4226913.00	20.81
70	564803.35	4226913.03	20.57
71	564808.26	4226913.07	20.32
72	564813.17	4226913.10	20.07
73	564818.09	4226913.14	19.81
74	564823.00	4226913.17	19.56
75	564827.91	4226913.21	19.30
76	564832.82	4226913.24	19.04
77	564837.73	4226913.28	18.86
78	564842.64	4226913.31	18.70
79	564847.55	4226913.35	18.54
80	564852.46	4226913.38	18.37
81	564857.37	4226913.42	18.21
82	564862.29	4226913.45	18.05
83	564867.20	4226913.49	17.88
84	564872.11	4226913.52	17.72
85	564877.02	4226913.56	17.56
86	564881.93	4226913.60	17.39
87	564886.84	4226913.63	17.23
88	564891.75	4226913.67	17.06
89	564896.66	4226913.70	16.90
90	564901.57	4226913.74	16.74
91	564906.49	4226913.77	16.57
92	564911.40	4226913.81	16.41
93	564916.31	4226913.84	16.25
94	564921.22	4226913.88	16.08
95	564926.13	4226913.91	16.00
96	564931.04	4226913.95	16.00
97	564935.95	4226913.98	16.00
98	564940.86	4226914.02	16.00
99	564945.77	4226914.05	16.00
100	564950.69	4226914.09	16.00
101	564955.60	4226914.12	16.00
102	564960.51	4226914.16	16.00
103	564965.42	4226914.20	16.00
104	564971.00	4226909.31	16.00
105	564971.67	4226904.40	16.00
106	564972.35	4226899.48	16.00

Receptor Pathway

AERMOD

107	564973.02	4226894.57	16.00
108	564973.69	4226889.65	16.00
109	564974.36	4226884.74	16.00
110	564975.03	4226879.82	16.00
111	564975.70	4226874.90	16.00
112	564976.38	4226869.99	16.00
113	564977.05	4226865.07	16.00
114	564977.72	4226860.16	16.00
115	564978.39	4226855.24	16.00
116	564979.06	4226850.33	16.00
117	564979.74	4226845.41	16.00
118	564980.41	4226840.49	16.00
119	564981.08	4226835.58	16.00
120	564981.75	4226830.66	16.01
121	564982.42	4226825.75	16.01
122	564983.10	4226820.83	16.01
123	564983.77	4226815.92	16.00
124	564984.44	4226811.00	16.00
125	564985.11	4226806.08	16.01
126	564985.78	4226801.17	16.17
127	564986.45	4226796.25	16.33
128	564987.13	4226791.34	16.50
129	564987.80	4226786.42	16.66
130	564988.47	4226781.50	16.83
131	564989.14	4226776.59	16.99
132	564989.81	4226771.67	17.00
133	564990.49	4226766.76	17.00
134	564991.16	4226761.84	17.00
135	564991.83	4226756.93	17.00
136	564992.50	4226752.01	17.00
137	564993.17	4226747.09	17.00
138	564993.85	4226742.18	17.00
139	564994.52	4226737.26	17.00
140	564995.19	4226732.35	17.00
141	564995.86	4226727.43	17.00
142	564996.53	4226722.52	17.00
143	564997.20	4226717.60	17.00
144	564997.88	4226712.68	17.12

Receptor Pathway

AERMOD

145	564998.55	4226707.77	17.28
146	564999.22	4226702.85	17.45
147	564999.89	4226697.94	17.61
148	565000.56	4226693.02	17.77
149	565001.24	4226688.11	17.94
150	565001.91	4226683.19	18.00
151	565002.58	4226678.27	18.00
152	565003.25	4226673.36	18.00
153	565003.92	4226668.44	18.00
154	565004.60	4226663.53	18.00
155	565005.27	4226658.61	18.00
156	565005.94	4226653.70	18.00
157	565006.61	4226648.78	18.00
158	565007.28	4226643.86	18.00
159	565007.95	4226638.95	18.00
160	565008.63	4226634.03	18.00
161	565009.30	4226629.12	18.00
162	565005.35	4226624.19	18.00
163	565000.74	4226624.17	18.00
164	564996.12	4226624.16	18.00
165	564991.51	4226624.15	18.00
166	564986.89	4226624.13	18.00
167	564982.27	4226624.12	18.00
168	564977.66	4226624.10	18.00
169	564972.87	4226619.50	18.00
170	564967.73	4226614.89	18.00
171	564962.77	4226614.87	18.00
172	564957.81	4226614.85	18.00
173	564952.85	4226614.83	18.03
174	564947.90	4226614.81	18.19
175	564942.94	4226614.79	18.36
176	564937.98	4226614.77	18.52
177	564933.02	4226614.75	18.69
178	564928.06	4226611.40	18.85
179	564923.23	4226608.07	19.03
180	564918.39	4226608.07	19.35
181	564913.56	4226608.07	19.67
182	564908.72	4226608.07	20.00

Receptor Pathway

AERMOD

183	564903.89	4226608.07	20.32
184	564899.05	4226608.07	20.64
185	564894.22	4226608.07	20.96
186	564889.38	4226608.07	21.23
187	564880.98	4226611.40	21.63
188	564877.41	4226614.74	21.75
189	564873.83	4226618.07	21.84
190	564870.26	4226621.41	21.91
191	564866.69	4226624.74	21.95
192	564863.12	4226628.07	22.04
193	564859.55	4226631.41	22.25
194	564855.97	4226634.74	22.44
195	564852.40	4226638.08	22.60
196	564847.84	4226646.26	22.70
197	564846.86	4226651.11	22.66
198	564845.87	4226655.96	22.60
199	564844.88	4226660.81	22.63
200	564843.89	4226665.66	22.66
201	564842.91	4226670.51	22.69
202	564841.92	4226675.35	22.73
203	564840.93	4226680.20	22.76
204	564839.94	4226685.05	22.79
205	564838.96	4226689.90	22.82
206	564837.97	4226694.75	22.86
207	564836.98	4226699.60	22.89
208	564835.99	4226704.45	22.92
209	564835.01	4226709.30	22.96
210	564834.02	4226714.15	22.99
211	564833.03	4226719.00	23.02
212	564832.04	4226723.85	23.05
213	564831.06	4226728.69	23.09
214	564830.07	4226733.54	23.12
215	564829.08	4226738.39	23.15
216	564828.09	4226743.24	23.19
217	564827.11	4226748.09	23.11
218	564826.12	4226752.94	22.86
219	564825.13	4226757.79	22.63
220	564824.14	4226762.64	22.40

Receptor Pathway

AERMOD

221	564823.16	4226767.49	22.18
222	564822.17	4226772.34	21.98
223	564821.18	4226777.19	21.82
224	564820.19	4226782.03	21.81
225	564819.21	4226786.88	21.79
226	564818.22	4226791.73	21.76
227	564817.23	4226796.58	21.72
228	564816.24	4226801.43	21.67
229	564815.26	4226806.28	21.61
230	564814.27	4226811.13	21.59
231	564813.28	4226815.98	21.58
232	564812.29	4226820.83	21.57
233	564811.31	4226825.68	21.58
234	564810.32	4226830.53	21.60
235	564809.33	4226835.37	21.63
236	564808.34	4226840.22	21.58
237	564807.36	4226845.07	21.50
238	564806.37	4226849.92	21.41
239	564805.38	4226854.77	21.30
240	564804.39	4226859.62	21.19
241	564803.41	4226864.47	21.08
242	564802.42	4226869.32	20.98
243	564801.43	4226874.17	20.89
244	564800.44	4226879.02	20.79
245	564799.46	4226883.87	20.69
246	564798.47	4226888.71	20.60
247	564797.48	4226893.56	20.50
248	564796.49	4226898.41	20.53
249	564795.51	4226903.26	20.71
250	564794.52	4226908.11	20.88
251	565006.95	4226529.57	18.00
252	565012.12	4226486.09	18.00
253	564904.50	4226487.58	22.14
254	564903.47	4226530.72	21.47
255	565007.52	4226524.74	18.00
256	565008.10	4226519.91	18.00
257	565008.67	4226515.08	18.00
258	565009.25	4226510.25	18.00

Receptor Pathway

AERMOD

259	565009.82	4226505.41	18.00
260	565010.40	4226500.58	18.00
261	565010.97	4226495.75	18.00
262	565011.55	4226490.92	18.00
263	565007.23	4226486.16	18.00
264	565002.34	4226486.23	18.00
265	564997.44	4226486.29	18.00
266	564992.55	4226486.36	18.00
267	564987.66	4226486.43	18.00
268	564982.77	4226486.50	18.02
269	564977.88	4226486.56	18.13
270	564972.99	4226486.63	18.23
271	564968.09	4226486.70	18.34
272	564963.20	4226486.77	18.44
273	564958.31	4226486.84	18.55
274	564953.42	4226486.90	18.66
275	564948.53	4226486.97	18.99
276	564943.63	4226487.04	19.31
277	564938.74	4226487.11	19.63
278	564933.85	4226487.17	19.96
279	564928.96	4226487.24	20.28
280	564924.07	4226487.31	20.61
281	564919.18	4226487.38	20.98
282	564914.28	4226487.45	21.37
283	564909.39	4226487.51	21.76
284	564904.39	4226492.37	22.09
285	564904.27	4226497.17	22.05
286	564904.16	4226501.96	22.00
287	564904.04	4226506.75	21.95
288	564903.93	4226511.55	21.86
289	564903.81	4226516.34	21.76
290	564903.70	4226521.13	21.67
291	564903.58	4226525.93	21.57
292	564908.40	4226530.67	21.11
293	564913.33	4226530.61	20.75
294	564918.25	4226530.56	20.40
295	564923.18	4226530.50	20.04
296	564928.11	4226530.45	19.70

Receptor Pathway

AERMOD

297	564933.04	4226530.39	19.38
298	564937.96	4226530.34	19.05
299	564942.89	4226530.28	18.72
300	564947.82	4226530.23	18.39
301	564952.75	4226530.17	18.06
302	564957.67	4226530.12	18.00
303	564962.60	4226530.06	18.00
304	564967.53	4226530.01	18.00
305	564972.46	4226529.95	18.00
306	564977.38	4226529.90	18.00
307	564982.31	4226529.84	18.00
308	564987.24	4226529.79	18.00
309	564992.17	4226529.73	18.00
310	564997.09	4226529.68	18.00
311	565002.02	4226529.63	18.00

Plant Boundary Receptors

Cartesian Plant Boundary

Primary

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	563457.30	4228069.59	FENCEPRI	12.00	
2	563454.58	4228468.76	FENCEPRI	5.58	
3	564713.90	4228465.95	FENCEPRI	13.00	
4	564906.96	4228133.69	FENCEPRI	15.00	
5	564922.90	4228088.04	FENCEPRI	15.00	
6	564925.80	4228041.66	FENCEPRI	15.07	
7	564923.63	4228023.55	FENCEPRI	15.42	
8	564885.52	4227743.43	FENCEPRI	16.00	
9	564616.96	4227744.28	FENCEPRI	14.00	
10	564615.26	4227980.44	FENCEPRI	13.00	
11	564352.67	4227982.14	FENCEPRI	11.97	
12	564354.69	4227963.73	FENCEPRI	12.00	
13	564211.10	4227961.31	FENCEPRI	11.00	
14	564208.20	4227747.51	FENCEPRI	10.15	
15	564026.11	4227747.24	FENCEPRI	9.42	

Receptor Pathway

AERMOD

Receptor Groups

Record Number	Group ID	Group Description
1	FENCEPRI	Cartesian plant boundary Primary Receptors
2	FENCEINT	Cartesian plant boundary Intermediate Receptors

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: C:\Users\lpark\Desktop\COMPLETED PROJECTS\5476.0001 American Canyon Inn\HRA\724955\724955.SF
 Format Type: Default AERMET format

Profile Met Data

Filename: C:\Users\lpark\Desktop\COMPLETED PROJECTS\5476.0001 American Canyon Inn\HRA\724955\724955.PF
 Format Type: Default AERMET format

Wind Speed

Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 4.30 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2009			
Upper Air		2009			

Data Period

Data Period to Process

Start Date: 1/1/2009 Start Hour: 1 End Date: 1/2/2014 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00085	ug/m^3	R1	563846.99	4227763.17	9.00	1.50	9.00	
PERIOD		0.00056	ug/m^3	R2	563152.88	4227961.87	10.03	1.50	10.03	
PERIOD		0.00088	ug/m^3	R3	563514.22	4227959.26	10.45	1.50	10.45	
PERIOD		0.00088	ug/m^3	R4	563487.56	4227974.48	10.12	1.50	10.12	
PERIOD		0.00090	ug/m^3	R5	563482.14	4227991.20	10.97	1.50	10.97	
PERIOD		0.00079	ug/m^3	R6	563427.00	4227966.19	10.00	1.50	10.00	
PERIOD		0.00077	ug/m^3	R7	563425.95	4227956.25	10.00	1.50	10.00	
PERIOD		0.00065	ug/m^3	R8	563265.64	4227970.13	9.00	1.50	9.00	
PERIOD		0.00079	ug/m^3	R10	563810.19	4227762.07	9.00	1.50	9.00	
PERIOD		0.00082	ug/m^3	R11	563740.68	4227815.91	9.00	1.50	9.00	
PERIOD		0.00106	ug/m^3	R12	564832.15	4226970.55	18.57	1.50	80.00	
PERIOD		0.00100	ug/m^3	R13	564869.92	4226938.63	17.38	1.50	80.00	
PERIOD		0.00058	ug/m^3	R14	565044.27	4226568.58	18.00	1.50	251.00	
PERIOD		0.00061	ug/m^3	R15	564973.13	4226565.86	18.00	1.50	80.00	
PERIOD		0.00060	ug/m^3	R16	564955.94	4226541.29	18.00	1.50	80.00	
PERIOD		0.00062	ug/m^3	R17	564893.17	4226549.81	22.03	1.50	80.00	
PERIOD		0.00057	ug/m^3	R18	565028.87	4226540.35	18.00	1.50	251.00	
PERIOD		0.00056	ug/m^3	R19	565035.66	4226521.39	18.00	1.50	251.00	
PERIOD		0.00055	ug/m^3	R20	565038.10	4226497.30	18.00	1.50	251.00	
PERIOD		0.00055	ug/m^3	R21	565000.82	4226474.49	18.00	1.50	80.00	

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00053	ug/m^3	R22	565008.62	4226449.37	18.00	1.50	250.00	
PERIOD		0.00053	ug/m^3	R23	565042.99	4226474.21	18.00	1.50	251.00	
PERIOD		0.00052	ug/m^3	R24	565049.05	4226447.64	18.00	1.50	251.00	
PERIOD		0.00051	ug/m^3	R25	565049.05	4226421.36	18.00	1.50	251.00	
PERIOD		0.00040	ug/m^3	R26	565437.70	4226745.61	20.00	1.50	265.00	
PERIOD		0.00038	ug/m^3	R27	565456.18	4226744.45	20.00	1.50	265.00	
PERIOD		0.00035	ug/m^3	R28	565498.35	4226743.87	21.00	1.50	265.00	
PERIOD		0.00034	ug/m^3	R29	565514.23	4226744.16	21.00	1.50	265.00	
PERIOD		0.00039	ug/m^3	R30	565441.17	4226713.84	20.00	1.50	265.00	
PERIOD		0.00038	ug/m^3	R31	565459.65	4226713.55	20.00	1.50	265.00	
PERIOD		0.00034	ug/m^3	R32	565517.12	4226698.53	21.00	1.50	265.00	
PERIOD		0.00034	ug/m^3	R33	565516.25	4226683.80	21.00	1.50	265.00	
PERIOD		0.00036	ug/m^3	R34	565482.46	4226674.27	20.63	1.50	265.00	
PERIOD		0.00036	ug/m^3	R35	565483.33	4226658.68	20.66	1.50	265.00	
PERIOD		0.00039	ug/m^3	R36	565433.95	4226666.19	20.00	1.50	265.00	
PERIOD		0.00038	ug/m^3	R38	565444.63	4226624.31	20.00	1.50	265.00	
PERIOD		0.00037	ug/m^3	R39	565463.98	4226624.31	20.01	1.50	265.00	
PERIOD		0.00034	ug/m^3	R40	565509.03	4226631.82	21.00	1.50	265.00	
PERIOD		0.00034	ug/m^3	R41	565509.03	4226617.38	21.00	1.50	265.00	
PERIOD		0.00058	ug/m^3	R42	565314.45	4227270.70	20.00	1.50	251.00	
PERIOD		0.00060	ug/m^3	R43	565291.64	4227217.62	19.00	1.50	251.00	

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AERMOD View by Lakes Environmental Software

RS - 2 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00058	ug/m^3	R44	565309.08	4227218.00	19.00	1.50	251.00	
PERIOD		0.00047	ug/m^3	R45	565384.70	4227209.41	20.00	1.50	265.00	
PERIOD		0.00040	ug/m^3	R46	565449.84	4227190.61	20.00	1.50	265.00	
PERIOD		0.00036	ug/m^3	R47	565496.35	4227202.46	20.28	1.50	265.00	
PERIOD		0.00039	ug/m^3	R48	565481.62	4227270.05	21.00	1.50	265.00	
PERIOD		0.00036	ug/m^3	R49	565516.57	4227270.92	21.00	1.50	265.00	
PERIOD		0.00031	ug/m^3	R50	565553.69	4227134.21	22.00	1.50	265.00	
PERIOD		0.00030	ug/m^3	R51	565613.85	4227214.51	22.01	1.50	265.00	
PERIOD		0.00032	ug/m^3	R52	565588.48	4227278.18	22.85	1.50	265.00	
PERIOD		0.00030	ug/m^3	R53	565625.01	4227289.45	24.49	1.50	265.00	
PERIOD		0.00025	ug/m^3	R54	565729.83	4227269.14	29.12	1.50	265.00	
PERIOD		0.00020	ug/m^3	R55	565890.63	4227286.35	34.23	1.50	265.00	
PERIOD		0.00083	ug/m^3	R56	565430.90	4227667.38	23.64	1.50	251.00	
PERIOD		0.00291	ug/m^3	R57	565017.44	4228947.47	20.67	1.50	20.67	
PERIOD		0.00049	ug/m^3	R59	566081.49	4228935.03	70.63	1.50	70.63	
PERIOD		0.00098	ug/m^3	NJMES1	564793.53	4226912.96	21.04	1.50	80.00	
PERIOD		0.00089	ug/m^3	NJMES2	564970.33	4226914.23	16.00	1.50	251.00	
PERIOD		0.00063	ug/m^3	NJMES3	565009.97	4226624.20	18.00	1.50	251.00	
PERIOD		0.00064	ug/m^3	NJMES4	564973.04	4226624.09	18.00	1.50	250.00	
PERIOD		0.00064	ug/m^3	NJMES5	564972.69	4226614.91	18.00	1.50	80.00	
PERIOD		0.00065	ug/m^3	NJMES6	564928.06	4226614.73	18.85	1.50	80.00	

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AERMOD View by Lakes Environmental Software

RS - 3 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00065	ug/m^3	NJMES7	564928.06	4226608.07	18.85	1.50	80.00	
PERIOD		0.00066	ug/m^3	NJMES8	564884.55	4226608.07	21.49	1.50	80.00	
PERIOD		0.00069	ug/m^3	NJMES9	564848.83	4226641.41	22.74	1.50	80.00	
PERIOD		0.00098	ug/m^3	NJMES10	564798.44	4226913.00	20.81	1.50	80.00	
PERIOD		0.00098	ug/m^3	NJMES11	564803.35	4226913.03	20.57	1.50	80.00	
PERIOD		0.00098	ug/m^3	NJMES12	564808.26	4226913.07	20.32	1.50	80.00	
PERIOD		0.00098	ug/m^3	NJMES13	564813.17	4226913.10	20.07	1.50	80.00	
PERIOD		0.00098	ug/m^3	NJMES14	564818.09	4226913.14	19.81	1.50	80.00	
PERIOD		0.00097	ug/m^3	NJMES15	564823.00	4226913.17	19.56	1.50	80.00	
PERIOD		0.00097	ug/m^3	NJMES16	564827.91	4226913.21	19.30	1.50	80.00	
PERIOD		0.00097	ug/m^3	NJMES17	564832.82	4226913.24	19.04	1.50	80.00	
PERIOD		0.00097	ug/m^3	NJMES18	564837.73	4226913.28	18.86	1.50	80.00	
PERIOD		0.00097	ug/m^3	NJMES19	564842.64	4226913.31	18.70	1.50	80.00	
PERIOD		0.00097	ug/m^3	NJMES20	564847.55	4226913.35	18.54	1.50	80.00	
PERIOD		0.00097	ug/m^3	NJMES21	564852.46	4226913.38	18.37	1.50	80.00	
PERIOD		0.00097	ug/m^3	NJMES22	564857.37	4226913.42	18.21	1.50	80.00	
PERIOD		0.00096	ug/m^3	NJMES23	564862.29	4226913.45	18.05	1.50	80.00	
PERIOD		0.00096	ug/m^3	NJMES24	564867.20	4226913.49	17.88	1.50	80.00	
PERIOD		0.00096	ug/m^3	NJMES25	564872.11	4226913.52	17.72	1.50	80.00	
PERIOD		0.00096	ug/m^3	NJMES26	564877.02	4226913.56	17.56	1.50	80.00	
PERIOD		0.00095	ug/m^3	NJMES28	564886.84	4226913.63	17.23	1.50	80.00	

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AERMOD View by Lakes Environmental Software

RS - 4 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00095	ug/m^3	NJMES29	564891.75	4226913.67	17.06	1.50	80.00	
PERIOD		0.00095	ug/m^3	NJMES30	564896.66	4226913.70	16.90	1.50	80.00	
PERIOD		0.00094	ug/m^3	NJMES31	564901.57	4226913.74	16.74	1.50	80.00	
PERIOD		0.00094	ug/m^3	NJMES32	564906.49	4226913.77	16.57	1.50	80.00	
PERIOD		0.00094	ug/m^3	NJMES33	564911.40	4226913.81	16.41	1.50	80.00	
PERIOD		0.00094	ug/m^3	NJMES34	564916.31	4226913.84	16.25	1.50	80.00	
PERIOD		0.00093	ug/m^3	NJMES35	564921.22	4226913.88	16.08	1.50	80.00	
PERIOD		0.00093	ug/m^3	NJMES36	564926.13	4226913.91	16.00	1.50	250.00	
PERIOD		0.00093	ug/m^3	NJMES37	564931.04	4226913.95	16.00	1.50	250.00	
PERIOD		0.00092	ug/m^3	NJMES38	564935.95	4226913.98	16.00	1.50	250.00	
PERIOD		0.00092	ug/m^3	NJMES39	564940.86	4226914.02	16.00	1.50	250.00	
PERIOD		0.00091	ug/m^3	NJMES40	564945.77	4226914.05	16.00	1.50	251.00	
PERIOD		0.00091	ug/m^3	NJMES41	564950.69	4226914.09	16.00	1.50	251.00	
PERIOD		0.00091	ug/m^3	NJMES42	564955.60	4226914.12	16.00	1.50	251.00	
PERIOD		0.00090	ug/m^3	NJMES43	564960.51	4226914.16	16.00	1.50	251.00	
PERIOD		0.00090	ug/m^3	NJMES44	564965.42	4226914.20	16.00	1.50	251.00	
PERIOD		0.00089	ug/m^3	NJMES45	564971.00	4226909.31	16.00	1.50	251.00	
PERIOD		0.00088	ug/m^3	NJMES46	564971.67	4226904.40	16.00	1.50	251.00	
PERIOD		0.00088	ug/m^3	NJMES47	564972.35	4226899.48	16.00	1.50	251.00	
PERIOD		0.00087	ug/m^3	NJMES48	564973.02	4226894.57	16.00	1.50	251.00	
PERIOD		0.00086	ug/m^3	NJMES49	564973.69	4226889.65	16.00	1.50	251.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\54600001 Giovannoni Logistics_Scenario 1.isc

AERMOD View by Lakes Environmental Software

RS - 5 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00086	ug/m^3	NJMES50	564974.36	4226884.74	16.00	1.50	251.00	
PERIOD		0.00085	ug/m^3	NJMES51	564975.03	4226879.82	16.00	1.50	251.00	
PERIOD		0.00085	ug/m^3	NJMES52	564975.70	4226874.90	16.00	1.50	251.00	
PERIOD		0.00084	ug/m^3	NJMES53	564976.38	4226869.99	16.00	1.50	251.00	
PERIOD		0.00084	ug/m^3	NJMES54	564977.05	4226865.07	16.00	1.50	251.00	
PERIOD		0.00083	ug/m^3	NJMES55	564977.72	4226860.16	16.00	1.50	251.00	
PERIOD		0.00083	ug/m^3	NJMES56	564978.39	4226855.24	16.00	1.50	251.00	
PERIOD		0.00082	ug/m^3	NJMES57	564979.06	4226850.33	16.00	1.50	251.00	
PERIOD		0.00082	ug/m^3	NJMES58	564979.74	4226845.41	16.00	1.50	251.00	
PERIOD		0.00081	ug/m^3	NJMES59	564980.41	4226840.49	16.00	1.50	251.00	
PERIOD		0.00081	ug/m^3	NJMES60	564981.08	4226835.58	16.00	1.50	251.00	
PERIOD		0.00080	ug/m^3	NJMES61	564981.75	4226830.66	16.01	1.50	251.00	
PERIOD		0.00080	ug/m^3	NJMES62	564982.42	4226825.75	16.01	1.50	251.00	
PERIOD		0.00079	ug/m^3	NJMES63	564983.10	4226820.83	16.01	1.50	251.00	
PERIOD		0.00079	ug/m^3	NJMES64	564983.77	4226815.92	16.00	1.50	251.00	
PERIOD		0.00078	ug/m^3	NJMES65	564984.44	4226811.00	16.00	1.50	251.00	
PERIOD		0.00078	ug/m^3	NJMES66	564985.11	4226806.08	16.01	1.50	251.00	
PERIOD		0.00077	ug/m^3	NJMES67	564985.78	4226801.17	16.17	1.50	251.00	
PERIOD		0.00077	ug/m^3	NJMES68	564986.45	4226796.25	16.33	1.50	251.00	
PERIOD		0.00076	ug/m^3	NJMES69	564987.13	4226791.34	16.50	1.50	251.00	
PERIOD		0.00076	ug/m^3	NJMES70	564987.80	4226786.42	16.66	1.50	251.00	

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AERMOD View by Lakes Environmental Software

RS - 6 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00075	ug/m^3	NJMES71	564988.47	4226781.50	16.83	1.50	251.00	
PERIOD		0.00075	ug/m^3	NJMES72	564989.14	4226776.59	16.99	1.50	251.00	
PERIOD		0.00074	ug/m^3	NJMES73	564989.81	4226771.67	17.00	1.50	251.00	
PERIOD		0.00074	ug/m^3	NJMES74	564990.49	4226766.76	17.00	1.50	251.00	
PERIOD		0.00073	ug/m^3	NJMES75	564991.16	4226761.84	17.00	1.50	251.00	
PERIOD		0.00073	ug/m^3	NJMES76	564991.83	4226756.93	17.00	1.50	251.00	
PERIOD		0.00073	ug/m^3	NJMES77	564992.50	4226752.01	17.00	1.50	251.00	
PERIOD		0.00072	ug/m^3	NJMES78	564993.17	4226747.09	17.00	1.50	251.00	
PERIOD		0.00072	ug/m^3	NJMES79	564993.85	4226742.18	17.00	1.50	251.00	
PERIOD		0.00071	ug/m^3	NJMES80	564994.52	4226737.26	17.00	1.50	251.00	
PERIOD		0.00071	ug/m^3	NJMES81	564995.19	4226732.35	17.00	1.50	251.00	
PERIOD		0.00071	ug/m^3	NJMES82	564995.86	4226727.43	17.00	1.50	251.00	
PERIOD		0.00070	ug/m^3	NJMES83	564996.53	4226722.51	17.00	1.50	251.00	
PERIOD		0.00070	ug/m^3	NJMES84	564997.20	4226717.60	17.00	1.50	251.00	
PERIOD		0.00069	ug/m^3	NJMES85	564997.88	4226712.68	17.12	1.50	251.00	
PERIOD		0.00069	ug/m^3	NJMES86	564998.55	4226707.77	17.28	1.50	251.00	
PERIOD		0.00068	ug/m^3	NJMES87	564999.22	4226702.85	17.45	1.50	251.00	
PERIOD		0.00068	ug/m^3	NJMES88	564999.89	4226697.94	17.61	1.50	251.00	
PERIOD		0.00068	ug/m^3	NJMES89	565000.56	4226693.02	17.77	1.50	251.00	
PERIOD		0.00067	ug/m^3	NJMES90	565001.24	4226688.11	17.94	1.50	251.00	
PERIOD		0.00067	ug/m^3	NJMES91	565001.91	4226683.19	18.00	1.50	251.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\54600001 Giovannoni Logistics_Scenario 1.isc

AERMOD View by Lakes Environmental Software

RS - 7 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00066	ug/m^3	NJMES92	565002.58	4226678.27	18.00	1.50	251.00	
PERIOD		0.00066	ug/m^3	NJMES93	565003.25	4226673.36	18.00	1.50	251.00	
PERIOD		0.00066	ug/m^3	NJMES94	565003.92	4226668.44	18.00	1.50	251.00	
PERIOD		0.00065	ug/m^3	NJMES95	565004.60	4226663.53	18.00	1.50	251.00	
PERIOD		0.00065	ug/m^3	NJMES96	565005.27	4226658.61	18.00	1.50	251.00	
PERIOD		0.00065	ug/m^3	NJMES97	565005.94	4226653.70	18.00	1.50	251.00	
PERIOD		0.00064	ug/m^3	NJMES98	565006.61	4226648.78	18.00	1.50	251.00	
PERIOD		0.00064	ug/m^3	NJMES99	565007.28	4226643.86	18.00	1.50	251.00	
PERIOD		0.00064	ug/m^3	NJMES100	565007.95	4226638.95	18.00	1.50	251.00	
PERIOD		0.00063	ug/m^3	NJMES101	565008.63	4226634.03	18.00	1.50	251.00	
PERIOD		0.00063	ug/m^3	NJMES102	565009.30	4226629.12	18.00	1.50	251.00	
PERIOD		0.00063	ug/m^3	NJMES103	565005.35	4226624.19	18.00	1.50	251.00	
PERIOD		0.00063	ug/m^3	NJMES104	565000.74	4226624.17	18.00	1.50	251.00	
PERIOD		0.00063	ug/m^3	NJMES105	564996.12	4226624.16	18.00	1.50	251.00	
PERIOD		0.00063	ug/m^3	NJMES106	564991.51	4226624.14	18.00	1.50	250.00	
PERIOD		0.00064	ug/m^3	NJMES107	564986.89	4226624.13	18.00	1.50	250.00	
PERIOD		0.00064	ug/m^3	NJMES108	564982.27	4226624.12	18.00	1.50	250.00	
PERIOD		0.00064	ug/m^3	NJMES109	564977.66	4226624.10	18.00	1.50	250.00	
PERIOD		0.00064	ug/m^3	NJMES111	564967.73	4226614.89	18.00	1.50	80.00	
PERIOD		0.00064	ug/m^3	NJMES112	564962.77	4226614.87	18.00	1.50	80.00	
PERIOD		0.00064	ug/m^3	NJMES113	564957.81	4226614.85	18.00	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\54600001 Giovannoni Logistics_Scenario 1.isc

AERMOD View by Lakes Environmental Software

RS - 8 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00065	ug/m^3	NJMES114	564952.85	4226614.83	18.03	1.50	80.00	
PERIOD		0.00065	ug/m^3	NJMES115	564947.90	4226614.81	18.19	1.50	80.00	
PERIOD		0.00065	ug/m^3	NJMES116	564942.94	4226614.79	18.36	1.50	80.00	
PERIOD		0.00065	ug/m^3	NJMES117	564937.98	4226614.77	18.52	1.50	80.00	
PERIOD		0.00065	ug/m^3	NJMES118	564933.02	4226614.75	18.69	1.50	80.00	
PERIOD		0.00065	ug/m^3	NJMES119	564928.06	4226611.40	18.85	1.50	80.00	
PERIOD		0.00065	ug/m^3	NJMES120	564923.23	4226608.07	19.03	1.50	80.00	
PERIOD		0.00065	ug/m^3	NJMES121	564918.39	4226608.07	19.35	1.50	80.00	
PERIOD		0.00065	ug/m^3	NJMES122	564913.56	4226608.07	19.67	1.50	80.00	
PERIOD		0.00065	ug/m^3	NJMES123	564908.72	4226608.07	20.00	1.50	80.00	
PERIOD		0.00065	ug/m^3	NJMES124	564903.89	4226608.07	20.32	1.50	80.00	
PERIOD		0.00066	ug/m^3	NJMES125	564899.05	4226608.07	20.64	1.50	80.00	
PERIOD		0.00066	ug/m^3	NJMES126	564894.22	4226608.07	20.96	1.50	80.00	
PERIOD		0.00066	ug/m^3	NJMES127	564889.38	4226608.07	21.23	1.50	80.00	
PERIOD		0.00066	ug/m^3	NJMES128	564880.98	4226611.40	21.63	1.50	80.00	
PERIOD		0.00066	ug/m^3	NJMES129	564877.41	4226614.74	21.75	1.50	80.00	
PERIOD		0.00067	ug/m^3	NJMES130	564873.83	4226618.07	21.84	1.50	80.00	
PERIOD		0.00067	ug/m^3	NJMES131	564870.26	4226621.41	21.91	1.50	80.00	
PERIOD		0.00067	ug/m^3	NJMES132	564866.69	4226624.74	21.95	1.50	80.00	
PERIOD		0.00068	ug/m^3	NJMES133	564863.12	4226628.07	22.04	1.50	80.00	
PERIOD		0.00068	ug/m^3	NJMES134	564859.55	4226631.41	22.25	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\54600001 Giovannoni Logistics_Scenario 1.isc

AERMOD View by Lakes Environmental Software

RS - 9 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00068	ug/m^3	NJMES135	564855.97	4226634.74	22.44	1.50	80.00	
PERIOD		0.00068	ug/m^3	NJMES136	564852.40	4226638.08	22.60	1.50	80.00	
PERIOD		0.00069	ug/m^3	NJMES137	564847.84	4226646.26	22.70	1.50	80.00	
PERIOD		0.00070	ug/m^3	NJMES139	564845.87	4226655.96	22.60	1.50	80.00	
PERIOD		0.00070	ug/m^3	NJMES140	564844.88	4226660.81	22.63	1.50	80.00	
PERIOD		0.00071	ug/m^3	NJMES141	564843.89	4226665.66	22.66	1.50	80.00	
PERIOD		0.00071	ug/m^3	NJMES143	564841.92	4226675.35	22.73	1.50	80.00	
PERIOD		0.00072	ug/m^3	NJMES144	564840.93	4226680.20	22.76	1.50	80.00	
PERIOD		0.00072	ug/m^3	NJMES145	564839.94	4226685.05	22.79	1.50	80.00	
PERIOD		0.00072	ug/m^3	NJMES146	564838.95	4226689.90	22.82	1.50	80.00	
PERIOD		0.00073	ug/m^3	NJMES147	564837.97	4226694.75	22.86	1.50	80.00	
PERIOD		0.00073	ug/m^3	NJMES148	564836.98	4226699.60	22.89	1.50	80.00	
PERIOD		0.00074	ug/m^3	NJMES149	564835.99	4226704.45	22.92	1.50	80.00	
PERIOD		0.00074	ug/m^3	NJMES150	564835.01	4226709.30	22.96	1.50	80.00	
PERIOD		0.00074	ug/m^3	NJMES151	564834.02	4226714.15	22.99	1.50	80.00	
PERIOD		0.00075	ug/m^3	NJMES152	564833.03	4226719.00	23.02	1.50	80.00	
PERIOD		0.00076	ug/m^3	NJMES154	564831.06	4226728.69	23.09	1.50	80.00	
PERIOD		0.00076	ug/m^3	NJMES155	564830.07	4226733.54	23.12	1.50	80.00	
PERIOD		0.00076	ug/m^3	NJMES156	564829.08	4226738.39	23.15	1.50	80.00	
PERIOD		0.00077	ug/m^3	NJMES157	564828.09	4226743.24	23.19	1.50	80.00	
PERIOD		0.00078	ug/m^3	NJMES159	564826.12	4226752.94	22.86	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\54600001 Giovannoni Logistics_Scenario 1.isc

AERMOD View by Lakes Environmental Software

RS - 10 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00079	ug/m^3	NJMES160	564825.13	4226757.79	22.63	1.50	80.00	
PERIOD		0.00079	ug/m^3	NJMES161	564824.14	4226762.64	22.40	1.50	80.00	
PERIOD		0.00080	ug/m^3	NJMES162	564823.16	4226767.49	22.18	1.50	80.00	
PERIOD		0.00080	ug/m^3	NJMES163	564822.17	4226772.34	21.98	1.50	80.00	
PERIOD		0.00081	ug/m^3	NJMES164	564821.18	4226777.18	21.82	1.50	80.00	
PERIOD		0.00082	ug/m^3	NJMES165	564820.19	4226782.03	21.81	1.50	80.00	
PERIOD		0.00082	ug/m^3	NJMES166	564819.20	4226786.88	21.79	1.50	80.00	
PERIOD		0.00083	ug/m^3	NJMES167	564818.22	4226791.73	21.76	1.50	80.00	
PERIOD		0.00083	ug/m^3	NJMES168	564817.23	4226796.58	21.72	1.50	80.00	
PERIOD		0.00084	ug/m^3	NJMES169	564816.24	4226801.43	21.67	1.50	80.00	
PERIOD		0.00084	ug/m^3	NJMES170	564815.26	4226806.28	21.61	1.50	80.00	
PERIOD		0.00085	ug/m^3	NJMES171	564814.27	4226811.13	21.59	1.50	80.00	
PERIOD		0.00085	ug/m^3	NJMES172	564813.28	4226815.98	21.58	1.50	80.00	
PERIOD		0.00086	ug/m^3	NJMES173	564812.29	4226820.83	21.57	1.50	80.00	
PERIOD		0.00086	ug/m^3	NJMES174	564811.31	4226825.68	21.58	1.50	80.00	
PERIOD		0.00087	ug/m^3	NJMES175	564810.32	4226830.53	21.60	1.50	80.00	
PERIOD		0.00087	ug/m^3	NJMES176	564809.33	4226835.37	21.63	1.50	80.00	
PERIOD		0.00088	ug/m^3	NJMES177	564808.34	4226840.22	21.58	1.50	80.00	
PERIOD		0.00089	ug/m^3	NJMES179	564806.37	4226849.92	21.41	1.50	80.00	
PERIOD		0.00090	ug/m^3	NJMES180	564805.38	4226854.77	21.30	1.50	80.00	
PERIOD		0.00091	ug/m^3	NJMES181	564804.39	4226859.62	21.19	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\54600001 Giovannoni Logistics_Scenario 1.isc

AERMOD View by Lakes Environmental Software

RS - 11 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00091	ug/m^3	NJMES182	564803.41	4226864.47	21.08	1.50	80.00	
PERIOD		0.00092	ug/m^3	NJMES183	564802.42	4226869.32	20.98	1.50	80.00	
PERIOD		0.00093	ug/m^3	NJMES184	564801.43	4226874.17	20.89	1.50	80.00	
PERIOD		0.00093	ug/m^3	NJMES185	564800.44	4226879.02	20.79	1.50	80.00	
PERIOD		0.00094	ug/m^3	NJMES186	564799.45	4226883.87	20.69	1.50	80.00	
PERIOD		0.00095	ug/m^3	NJMES187	564798.47	4226888.71	20.60	1.50	80.00	
PERIOD		0.00096	ug/m^3	NJMES188	564797.48	4226893.56	20.50	1.50	80.00	
PERIOD		0.00096	ug/m^3	NJMES189	564796.49	4226898.41	20.53	1.50	80.00	
PERIOD		0.00097	ug/m^3	NJMES190	564795.51	4226903.26	20.71	1.50	80.00	
PERIOD		0.00097	ug/m^3	NJMES191	564794.52	4226908.11	20.88	1.50	80.00	
PERIOD		0.00057	ug/m^3	CBCA1	565006.95	4226529.57	18.00	1.50	250.00	
PERIOD		0.00055	ug/m^3	CBCA2	565012.12	4226486.09	18.00	1.50	250.00	
PERIOD		0.00058	ug/m^3	CBCA3	564904.50	4226487.58	22.14	1.50	80.00	
PERIOD		0.00060	ug/m^3	CBCA4	564903.47	4226530.72	21.47	1.50	80.00	
PERIOD		0.00057	ug/m^3	CBCA5	565007.52	4226524.74	18.00	1.50	250.00	
PERIOD		0.00057	ug/m^3	CBCA6	565008.10	4226519.91	18.00	1.50	250.00	
PERIOD		0.00057	ug/m^3	CBCA7	565008.67	4226515.08	18.00	1.50	250.00	
PERIOD		0.00056	ug/m^3	CBCA8	565009.25	4226510.25	18.00	1.50	250.00	
PERIOD		0.00056	ug/m^3	CBCA9	565009.82	4226505.41	18.00	1.50	250.00	
PERIOD		0.00056	ug/m^3	CBCA10	565010.40	4226500.58	18.00	1.50	250.00	
PERIOD		0.00055	ug/m^3	CBCA11	565010.97	4226495.75	18.00	1.50	250.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\54600001 Giovannoni Logistics_Scenario 1.isc

AERMOD View by Lakes Environmental Software

RS - 12 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00055	ug/m^3	CBCA12	565011.55	4226490.92	18.00	1.50	250.00	
PERIOD		0.00055	ug/m^3	CBCA13	565007.23	4226486.16	18.00	1.50	250.00	
PERIOD		0.00055	ug/m^3	CBCA14	565002.34	4226486.22	18.00	1.50	250.00	
PERIOD		0.00056	ug/m^3	CBCA15	564997.44	4226486.29	18.00	1.50	80.00	
PERIOD		0.00056	ug/m^3	CBCA16	564992.55	4226486.36	18.00	1.50	80.00	
PERIOD		0.00056	ug/m^3	CBCA17	564987.66	4226486.43	18.00	1.50	80.00	
PERIOD		0.00056	ug/m^3	CBCA18	564982.77	4226486.50	18.02	1.50	80.00	
PERIOD		0.00056	ug/m^3	CBCA19	564977.88	4226486.56	18.13	1.50	80.00	
PERIOD		0.00056	ug/m^3	CBCA20	564972.99	4226486.63	18.23	1.50	80.00	
PERIOD		0.00057	ug/m^3	CBCA21	564968.09	4226486.70	18.34	1.50	80.00	
PERIOD		0.00057	ug/m^3	CBCA22	564963.20	4226486.77	18.44	1.50	80.00	
PERIOD		0.00057	ug/m^3	CBCA24	564953.42	4226486.90	18.66	1.50	80.00	
PERIOD		0.00057	ug/m^3	CBCA25	564948.53	4226486.97	18.99	1.50	80.00	
PERIOD		0.00057	ug/m^3	CBCA26	564943.63	4226487.04	19.31	1.50	80.00	
PERIOD		0.00057	ug/m^3	CBCA27	564938.74	4226487.11	19.63	1.50	80.00	
PERIOD		0.00057	ug/m^3	CBCA28	564933.85	4226487.17	19.96	1.50	80.00	
PERIOD		0.00057	ug/m^3	CBCA29	564928.96	4226487.24	20.28	1.50	80.00	
PERIOD		0.00058	ug/m^3	CBCA30	564924.07	4226487.31	20.61	1.50	80.00	
PERIOD		0.00058	ug/m^3	CBCA31	564919.18	4226487.38	20.98	1.50	80.00	
PERIOD		0.00058	ug/m^3	CBCA32	564914.28	4226487.45	21.37	1.50	80.00	
PERIOD		0.00058	ug/m^3	CBCA33	564909.39	4226487.51	21.76	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\54600001 Giovannoni Logistics_Scenario 1.isc

AERMOD View by Lakes Environmental Software

RS - 13 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00058	ug/m^3	CBCA34	564904.39	4226492.37	22.09	1.50	80.00	
PERIOD		0.00058	ug/m^3	CBCA35	564904.27	4226497.17	22.05	1.50	80.00	
PERIOD		0.00059	ug/m^3	CBCA36	564904.16	4226501.96	22.00	1.50	80.00	
PERIOD		0.00059	ug/m^3	CBCA37	564904.04	4226506.75	21.95	1.50	80.00	
PERIOD		0.00059	ug/m^3	CBCA38	564903.93	4226511.55	21.86	1.50	80.00	
PERIOD		0.00059	ug/m^3	CBCA39	564903.81	4226516.34	21.76	1.50	80.00	
PERIOD		0.00060	ug/m^3	CBCA40	564903.70	4226521.13	21.67	1.50	80.00	
PERIOD		0.00060	ug/m^3	CBCA41	564903.58	4226525.93	21.57	1.50	80.00	
PERIOD		0.00060	ug/m^3	CBCA42	564908.40	4226530.67	21.11	1.50	80.00	
PERIOD		0.00060	ug/m^3	CBCA43	564913.33	4226530.61	20.75	1.50	80.00	
PERIOD		0.00060	ug/m^3	CBCA44	564918.25	4226530.56	20.40	1.50	80.00	
PERIOD		0.00060	ug/m^3	CBCA45	564923.18	4226530.50	20.04	1.50	80.00	
PERIOD		0.00060	ug/m^3	CBCA46	564928.11	4226530.45	19.70	1.50	80.00	
PERIOD		0.00060	ug/m^3	CBCA47	564933.04	4226530.39	19.38	1.50	80.00	
PERIOD		0.00060	ug/m^3	CBCA48	564937.96	4226530.34	19.05	1.50	80.00	
PERIOD		0.00060	ug/m^3	CBCA49	564942.89	4226530.28	18.72	1.50	80.00	
PERIOD		0.00060	ug/m^3	CBCA50	564947.82	4226530.23	18.39	1.50	80.00	
PERIOD		0.00060	ug/m^3	CBCA51	564952.75	4226530.17	18.06	1.50	80.00	
PERIOD		0.00059	ug/m^3	CBCA52	564957.67	4226530.12	18.00	1.50	80.00	
PERIOD		0.00059	ug/m^3	CBCA53	564962.60	4226530.06	18.00	1.50	80.00	
PERIOD		0.00059	ug/m^3	CBCA54	564967.53	4226530.01	18.00	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\54600001 Giovannoni Logistics_Scenario 1.isc

AERMOD View by Lakes Environmental Software

RS - 14 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00059	ug/m^3	CBCA55	564972.46	4226529.95	18.00	1.50	80.00	
PERIOD		0.00059	ug/m^3	CBCA56	564977.38	4226529.90	18.00	1.50	80.00	
PERIOD		0.00058	ug/m^3	CBCA57	564982.31	4226529.84	18.00	1.50	80.00	
PERIOD		0.00058	ug/m^3	CBCA58	564987.24	4226529.79	18.00	1.50	80.00	
PERIOD		0.00058	ug/m^3	CBCA59	564992.17	4226529.73	18.00	1.50	250.00	
PERIOD		0.00058	ug/m^3	CBCA60	564997.09	4226529.68	18.00	1.50	250.00	
PERIOD		0.00058	ug/m^3	CBCA61	565002.02	4226529.63	18.00	1.50	250.00	

PROJECT TITLE:

C:\Lakes\AERMOD View\54600001 Giovanni Logistics_Scenario 1\546000

COMMENTS:

SOURCES:

4

RECEPTORS:

4828

OUTPUT TYPE:

Concentration

MAX:

4.6E-02 ug/m³

COMPANY NAME:

MODELER:

DATE:

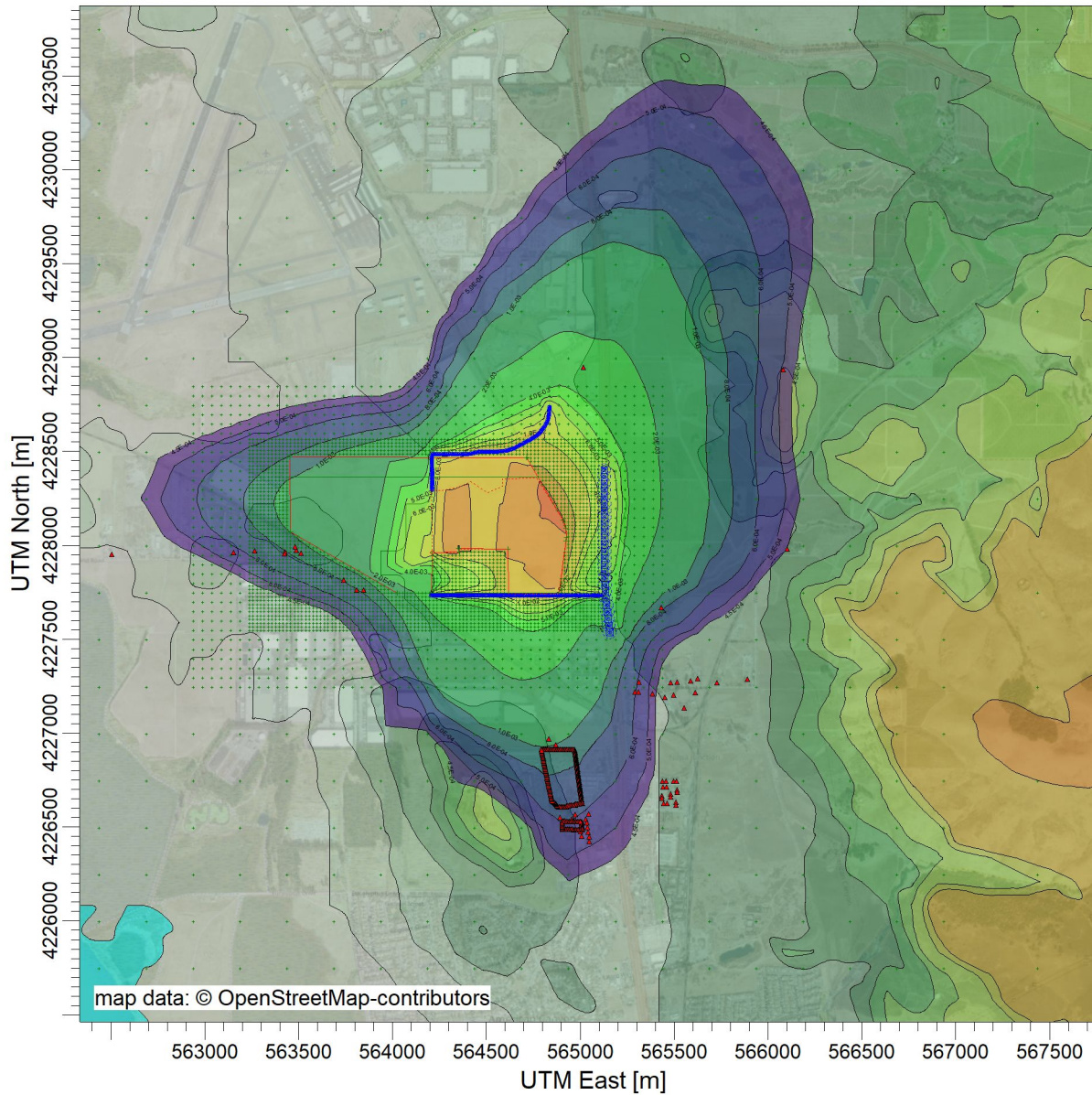
9/24/2021

SCALE:

1:36,847



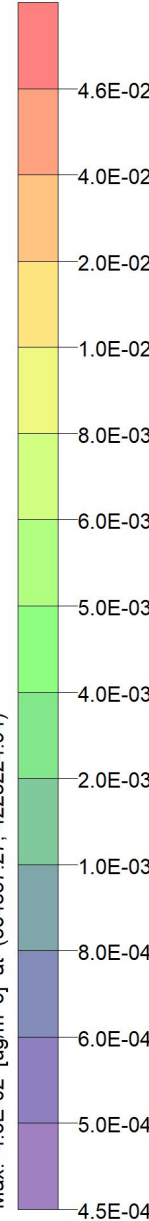
PROJECT NO.:



ug/m³

PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL

Max: 4.6E-02 [ug/m³] at (564857.27, 4228224.94)



Control Pathway

AERMOD

Dispersion Options

Titles C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000	
Dispersion Options <input type="checkbox"/> Regulatory Default <input checked="" type="checkbox"/> Non-Default Options	Dispersion Coefficient Urban Population: Name (Optional): Roughness Length:
<input checked="" type="checkbox"/> Elevated Terrain <input type="checkbox"/> No Stack-Tip Downwash (NOSTD) <input type="checkbox"/> Run in Screening Mode <input type="checkbox"/> Conversion of NOx to NO2 (OLM or PVMRM) <input type="checkbox"/> No Checks for Non-Sequential Met Data <input checked="" type="checkbox"/> Fast All Sources (FASTALL) <input type="checkbox"/> Fast Area Sources (FASTAREA) <input type="checkbox"/> Optimized Area Source Plume Depletion <input type="checkbox"/> Gas Deposition BETA Options: <input type="checkbox"/> Capped and Horizontal Stack Releases <input type="checkbox"/> Adjusted Friction Velocity (u*) in AERMET (ADJ_U*) <input type="checkbox"/> Low Wind Options <input type="checkbox"/> SCIM (Sampled Chronological Input Model) <input type="checkbox"/> Ignore Urban Night / Daytime Transition (NOURBTRAN)	Output Type <input checked="" type="checkbox"/> Concentration <input type="checkbox"/> Total Deposition (Dry & Wet) <input type="checkbox"/> Dry Deposition <input type="checkbox"/> Wet Deposition
	Plume Depletion <input type="checkbox"/> Dry Removal <input type="checkbox"/> Wet Removal
	Output Warnings <input type="checkbox"/> No Output Warnings <input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type PM2.5	Exponential Decay <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Averaging Time Options Hours <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 24 <input type="checkbox"/> Month <input checked="" type="checkbox"/> Period <input type="checkbox"/> Annual	Terrain Height Options <input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated SO: Meters RE: Meters TG: Meters
Flagpole Receptors <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Default Height = 1.50 m	

Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

Detailed Error Listing File

Filename: 54600001 Giovannoni Logistics_Scenario 2.err

Source Pathway - Source Inputs

AERMOD

Source Pathway - Source Inputs

AERMOD

Polygon Area Sources

Source Type: AREA POLY

Source: PHS1 (On-Site Phase 1)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
11.00	2.40	1.60E-8		18	564212.56	4227961.55
		1.60E-8			564355.03	4227962.60
		1.60E-8			564353.97	4227981.62
		1.60E-8			564614.97	4227980.57
		1.60E-8			564617.26	4227741.88
		1.60E-8			564885.02	4227742.53
		1.60E-8			564926.24	4228037.45
		1.60E-8			564925.04	4228076.51
		1.60E-8			564915.88	4228111.98
		1.60E-8			564900.33	4228149.05
		1.60E-8			564766.46	4228356.75
		1.60E-8			564586.25	4228355.22
		1.60E-8			564586.25	4228313.99
		1.60E-8			564505.31	4228278.87
		1.60E-8			564418.27	4228339.95
		1.60E-8			564348.02	4228309.41
		1.60E-8			564262.82	4228292.10
		1.60E-8			564209.96	4228293.89

Source Pathway - Source Inputs

AERMOD

Source Type: AREA POLY

Source: PHS2 (On-site Phase 2)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
10.00	2.40	9.07E-9		21	564209.57	4228359.29
		9.07E-9			564210.78	4227740.61
		9.07E-9			564042.18	4227742.44
		9.07E-9			563456.84	4228067.27
		9.07E-9			563456.20	4228399.72
		9.07E-9			563495.17	4228407.66
		9.07E-9			563507.65	4228422.04
		9.07E-9			563534.14	4228414.09
		9.07E-9			563562.51	4228425.06
		9.07E-9			563607.91	4228413.71
		9.07E-9			563651.79	4228388.37
		9.07E-9			563710.44	4228372.45
		9.07E-9			563750.57	4228364.42
		9.07E-9			563751.55	4228343.76
		9.07E-9			563823.63	4228344.99
		9.07E-9			563825.79	4228325.52
		9.07E-9			563866.79	4228324.62
		9.07E-9			563866.00	4228328.89
		9.07E-9			563865.19	4228337.16
		9.07E-9			563860.59	4228349.92
		9.07E-9			563875.99	4228369.02

Source Pathway - Source Inputs

AERMOD

Line Volume Sources

Source Type: LINE VOLUME

Source: DEV.OP (Devlin - Operation)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
10.00	0.00012		564837.18	4228744.04	15.07	2.55
			564834.90	4228711.18	15.08	2.55
			564831.66	4228686.92	14.97	2.55
			564828.13	4228667.09	14.82	2.55
			564818.89	4228646.59	14.00	2.55
			564806.96	4228627.43	14.00	2.55
			564803.34	4228621.61	14.00	2.55
			564785.60	4228599.24	13.21	2.55
			564771.13	4228587.62	13.00	2.55
			564755.00	4228575.86	13.00	2.55
			564731.14	4228561.57	13.00	2.55
			564662.04	4228524.22	12.19	2.55
			564638.89	4228513.36	12.04	2.55
			564606.61	4228504.08	12.00	2.55
			564580.75	4228500.22	12.00	2.55
			564462.16	4228498.66	11.61	2.55
			564399.11	4228484.70	11.00	2.55
			564209.86	4228485.01	10.00	2.55
			564210.68	4227739.72	10.11	2.55

Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: DEVLIN (Devlin Road Off-Site)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
10.00	0.00014		564210.89	4227739.18	10.11	2.55
			564209.77	4228485.17	10.00	2.55
			564399.41	4228484.52	11.00	2.55
			564463.05	4228498.80	11.64	2.55
			564538.38	4228499.45	12.00	2.55
			564579.95	4228500.10	12.00	2.55
			564606.57	4228504.00	12.00	2.55
			564638.40	4228513.09	12.04	2.55
			564659.83	4228522.83	12.10	2.55
			564731.91	4228561.80	13.00	2.55
			564766.63	4228583.16	13.00	2.55
			564784.29	4228597.51	13.17	2.55
			564803.06	4228621.25	14.00	2.55
			564819.62	4228648.30	14.00	2.55
			564827.90	4228666.60	14.82	2.55
			564832.29	4228690.53	14.99	2.55
			564834.68	4228709.28	14.98	2.55
			564837.74	4228744.21	15.07	2.55
			564836.98	4228744.21	15.07	2.55

Source Type: LINE VOLUME

Source: GREEN.OP (Green Island Rd - Operation)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
10.00	0.00007		564209.52	4227734.18	10.01	2.55
			565109.19	4227732.73	18.99	2.55

Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: GREENISLAND (Green Island Road Off-site)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
10.00	0.00009		564044.35	4227734.42	9.74	2.55
			565109.93	4227732.71	18.99	2.55

Source Type: LINE VOLUME

Source: HWY29 (Highway 29 Off-site)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
36.00	0.00007		565127.67	4228418.04	16.10	2.55
			565129.85	4227839.68	19.00	2.55
			565134.89	4227733.13	19.00	2.55
			565150.65	4227594.12	19.47	2.55
			565159.57	4227514.30	19.06	2.55

Source Type: LINE VOLUME

Source: HWY29.OP (Highway 29 - Operation)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
36.00	0.00006		565127.07	4228417.80	16.10	3.40
			565128.48	4227999.25	18.00	3.40
			565133.01	4227743.08	19.07	3.40
			565159.16	4227514.07	19.06	3.40

Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: RAIL (Railroad)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
3.12	4.50E-6		564562.63	4228760.49	13.00	0.00
			564911.88	4228144.12	15.00	0.00
			564920.45	4228124.05	15.00	0.00
			564927.68	4228100.19	15.00	0.00
			564933.72	4228073.99	15.29	0.00
			564934.90	4228052.65	15.39	0.00
			564934.99	4228033.96	15.23	0.00
			564932.62	4228011.86	16.03	0.00
			564926.58	4227967.15	16.00	0.00
			564889.12	4227684.38	16.00	0.00
			564856.43	4227436.79	15.05	0.00
			564855.27	4227419.35	15.10	0.00

Source Pathway - Source Inputs

AERMOD

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
DEVLIN	L0005940	564210.88	4227744.18	10.24	2.55	8.94E-7	10.00		4.65	2.37
	L0005941	564210.87	4227754.18	10.24	2.55	8.94E-7	10.00		4.65	2.37
	L0005942	564210.85	4227764.18	10.24	2.55	8.94E-7	10.00		4.65	2.37
	L0005943	564210.84	4227774.18	10.44	2.55	8.94E-7	10.00		4.65	2.37
	L0005944	564210.82	4227784.18	10.69	2.55	8.94E-7	10.00		4.65	2.37
	L0005945	564210.81	4227794.18	10.95	2.55	8.94E-7	10.00		4.65	2.37
	L0005946	564210.79	4227804.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005947	564210.78	4227814.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005948	564210.76	4227824.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005949	564210.75	4227834.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005950	564210.73	4227844.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005951	564210.72	4227854.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005952	564210.70	4227864.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005953	564210.69	4227874.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005954	564210.67	4227884.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005955	564210.66	4227894.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005956	564210.64	4227904.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005957	564210.63	4227914.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005958	564210.61	4227924.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005959	564210.60	4227934.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005960	564210.58	4227944.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005961	564210.57	4227954.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005962	564210.55	4227964.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005963	564210.54	4227974.18	11.00	2.55	8.94E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEVLIN	L0005964	564210.52	4227984.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005965	564210.51	4227994.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005966	564210.49	4228004.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005967	564210.48	4228014.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005968	564210.46	4228024.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005969	564210.45	4228034.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005970	564210.43	4228044.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005971	564210.42	4228054.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005972	564210.40	4228064.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005973	564210.39	4228074.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005974	564210.37	4228084.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005975	564210.36	4228094.18	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005976	564210.34	4228104.18	10.79	2.55	8.94E-7	10.00		4.65	2.37
	L0005977	564210.33	4228114.18	10.54	2.55	8.94E-7	10.00		4.65	2.37
	L0005978	564210.31	4228124.18	10.28	2.55	8.94E-7	10.00		4.65	2.37
	L0005979	564210.30	4228134.18	10.22	2.55	8.94E-7	10.00		4.65	2.37
	L0005980	564210.28	4228144.18	10.22	2.55	8.94E-7	10.00		4.65	2.37
	L0005981	564210.27	4228154.18	10.22	2.55	8.94E-7	10.00		4.65	2.37
	L0005982	564210.26	4228164.18	10.22	2.55	8.94E-7	10.00		4.65	2.37
	L0005983	564210.24	4228174.18	10.22	2.55	8.94E-7	10.00		4.65	2.37
	L0005984	564210.23	4228184.18	10.22	2.55	8.94E-7	10.00		4.65	2.37
	L0005985	564210.21	4228194.18	10.16	2.55	8.94E-7	10.00		4.65	2.37
	L0005986	564210.20	4228204.18	10.09	2.55	8.94E-7	10.00		4.65	2.37
	L0005987	564210.18	4228214.18	10.02	2.55	8.94E-7	10.00		4.65	2.37
	L0005988	564210.17	4228224.18	10.00	2.55	8.94E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEVLIN	L0005989	564210.15	4228234.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005990	564210.14	4228244.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005991	564210.12	4228254.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005992	564210.11	4228264.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005993	564210.09	4228274.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005994	564210.08	4228284.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005995	564210.06	4228294.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005996	564210.05	4228304.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005997	564210.03	4228314.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005998	564210.02	4228324.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0005999	564210.00	4228334.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006000	564209.99	4228344.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006001	564209.97	4228354.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006002	564209.96	4228364.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006003	564209.94	4228374.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006004	564209.93	4228384.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006005	564209.91	4228394.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006006	564209.90	4228404.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006007	564209.88	4228414.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006008	564209.87	4228424.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006009	564209.85	4228434.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006010	564209.84	4228444.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006011	564209.82	4228454.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006012	564209.81	4228464.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006013	564209.79	4228474.18	10.00	2.55	8.94E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEVLIN	L0006014	564209.78	4228484.18	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006015	564218.79	4228485.14	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006016	564228.79	4228485.10	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006017	564238.79	4228485.07	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006018	564248.79	4228485.03	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006019	564258.79	4228485.00	10.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006020	564268.79	4228484.96	10.17	2.55	8.94E-7	10.00		4.65	2.37
	L0006021	564278.79	4228484.93	10.50	2.55	8.94E-7	10.00		4.65	2.37
	L0006022	564288.79	4228484.90	10.84	2.55	8.94E-7	10.00		4.65	2.37
	L0006023	564298.79	4228484.86	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006024	564308.79	4228484.83	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006025	564318.79	4228484.79	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006026	564328.79	4228484.76	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006027	564338.79	4228484.72	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006028	564348.79	4228484.69	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006029	564358.79	4228484.66	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006030	564368.79	4228484.62	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006031	564378.79	4228484.59	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006032	564388.79	4228484.55	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006033	564398.79	4228484.52	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006034	564408.56	4228486.57	11.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006035	564418.32	4228488.76	11.01	2.55	8.94E-7	10.00		4.65	2.37
	L0006036	564428.08	4228490.95	11.08	2.55	8.94E-7	10.00		4.65	2.37
	L0006037	564437.83	4228493.14	11.18	2.55	8.94E-7	10.00		4.65	2.37
	L0006038	564447.59	4228495.33	11.39	2.55	8.94E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEVLIN	L0006039	564457.35	4228497.52	11.66	2.55	8.94E-7	10.00		4.65	2.37
	L0006040	564467.20	4228498.84	11.87	2.55	8.94E-7	10.00		4.65	2.37
	L0006041	564477.20	4228498.93	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006042	564487.20	4228499.01	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006043	564497.20	4228499.10	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006044	564507.20	4228499.18	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006045	564517.20	4228499.27	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006046	564527.20	4228499.36	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006047	564537.20	4228499.44	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006048	564547.20	4228499.59	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006049	564557.20	4228499.75	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006050	564567.20	4228499.90	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006051	564577.20	4228500.06	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006052	564587.12	4228501.15	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006053	564597.02	4228502.60	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006054	564606.90	4228504.09	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006055	564616.52	4228506.84	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006056	564626.13	4228509.59	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006057	564635.75	4228512.33	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006058	564644.99	4228516.09	12.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006059	564654.09	4228520.23	12.14	2.55	8.94E-7	10.00		4.65	2.37
	L0006060	564663.08	4228524.59	12.50	2.55	8.94E-7	10.00		4.65	2.37
	L0006061	564671.88	4228529.35	12.78	2.55	8.94E-7	10.00		4.65	2.37
	L0006062	564680.68	4228534.10	12.96	2.55	8.94E-7	10.00		4.65	2.37
	L0006063	564689.48	4228538.86	13.00	2.55	8.94E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEVLIN	L0006064	564698.27	4228543.61	13.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006065	564707.07	4228548.37	13.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006066	564715.87	4228553.12	13.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006067	564724.66	4228557.88	13.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006068	564733.41	4228562.72	13.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006069	564741.93	4228567.96	13.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006070	564750.45	4228573.20	13.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006071	564758.96	4228578.44	13.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006072	564767.40	4228583.79	13.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006073	564775.16	4228590.10	13.02	2.55	8.94E-7	10.00		4.65	2.37
	L0006074	564782.93	4228596.40	13.21	2.55	8.94E-7	10.00		4.65	2.37
	L0006075	564789.40	4228603.97	13.48	2.55	8.94E-7	10.00		4.65	2.37
	L0006076	564795.61	4228611.82	13.78	2.55	8.94E-7	10.00		4.65	2.37
	L0006077	564801.81	4228619.66	13.97	2.55	8.94E-7	10.00		4.65	2.37
	L0006078	564807.23	4228628.05	14.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006079	564812.45	4228636.58	14.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006080	564817.67	4228645.11	14.14	2.55	8.94E-7	10.00		4.65	2.37
	L0006081	564822.20	4228654.00	14.37	2.55	8.94E-7	10.00		4.65	2.37
	L0006082	564826.32	4228663.11	14.68	2.55	8.94E-7	10.00		4.65	2.37
	L0006083	564829.01	4228672.67	14.84	2.55	8.94E-7	10.00		4.65	2.37
	L0006084	564830.82	4228682.51	14.90	2.55	8.94E-7	10.00		4.65	2.37
	L0006085	564832.52	4228692.36	14.96	2.55	8.94E-7	10.00		4.65	2.37
	L0006086	564833.79	4228702.28	15.00	2.55	8.94E-7	10.00		4.65	2.37
	L0006087	564834.94	4228712.21	15.04	2.55	8.94E-7	10.00		4.65	2.37
	L0006088	564835.81	4228722.17	15.07	2.55	8.94E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
DEVLIN	L0006089	564836.68	4228732.14	15.10	2.55	8.94E-7	10.00		4.65	2.37
	L0006090	564837.56	4228742.10	15.13	2.55	8.94E-7	10.00		4.65	2.37

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
GREENISLAND	L0006091	564049.35	4227734.41	9.86	2.55	8.80E-7	10.00		4.65	2.37
	L0006092	564059.35	4227734.39	10.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006093	564069.35	4227734.38	10.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006094	564079.35	4227734.36	10.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006095	564089.35	4227734.35	10.01	2.55	8.80E-7	10.00		4.65	2.37
	L0006096	564099.35	4227734.33	10.03	2.55	8.80E-7	10.00		4.65	2.37
	L0006097	564109.35	4227734.31	10.06	2.55	8.80E-7	10.00		4.65	2.37
	L0006098	564119.35	4227734.30	10.07	2.55	8.80E-7	10.00		4.65	2.37
	L0006099	564129.35	4227734.28	10.07	2.55	8.80E-7	10.00		4.65	2.37
	L0006100	564139.35	4227734.27	10.07	2.55	8.80E-7	10.00		4.65	2.37
	L0006101	564149.35	4227734.25	10.05	2.55	8.80E-7	10.00		4.65	2.37
	L0006102	564159.35	4227734.23	10.03	2.55	8.80E-7	10.00		4.65	2.37
	L0006103	564169.35	4227734.22	10.01	2.55	8.80E-7	10.00		4.65	2.37
	L0006104	564179.35	4227734.20	10.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006105	564189.35	4227734.19	10.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006106	564199.35	4227734.17	10.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006107	564209.35	4227734.15	10.19	2.55	8.80E-7	10.00		4.65	2.37
	L0006108	564219.35	4227734.14	10.52	2.55	8.80E-7	10.00		4.65	2.37
	L0006109	564229.35	4227734.12	10.86	2.55	8.80E-7	10.00		4.65	2.37
	L0006110	564239.35	4227734.11	11.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006111	564249.35	4227734.09	11.00	2.55	8.80E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREENISLAND	L0006112	564259.35	4227734.07	11.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006113	564269.35	4227734.06	11.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006114	564279.35	4227734.04	11.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006115	564289.35	4227734.03	11.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006116	564299.35	4227734.01	11.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006117	564309.35	4227733.99	11.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006118	564319.35	4227733.98	11.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006119	564329.35	4227733.96	11.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006120	564339.35	4227733.95	11.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006121	564349.35	4227733.93	11.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006122	564359.35	4227733.91	11.19	2.55	8.80E-7	10.00		4.65	2.37
	L0006123	564369.35	4227733.90	11.52	2.55	8.80E-7	10.00		4.65	2.37
	L0006124	564379.35	4227733.88	11.86	2.55	8.80E-7	10.00		4.65	2.37
	L0006125	564389.35	4227733.87	12.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006126	564399.35	4227733.85	12.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006127	564409.35	4227733.83	12.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006128	564419.35	4227733.82	12.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006129	564429.35	4227733.80	12.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006130	564439.35	4227733.79	12.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006131	564449.35	4227733.77	12.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006132	564459.35	4227733.75	12.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006133	564469.35	4227733.74	12.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006134	564479.35	4227733.72	12.19	2.55	8.80E-7	10.00		4.65	2.37
	L0006135	564489.35	4227733.71	12.52	2.55	8.80E-7	10.00		4.65	2.37
	L0006136	564499.35	4227733.69	12.86	2.55	8.80E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREENISLAND	L0006137	564509.35	4227733.67	13.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006138	564519.35	4227733.66	13.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006139	564529.35	4227733.64	13.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006140	564539.35	4227733.63	13.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006141	564549.35	4227733.61	13.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006142	564559.35	4227733.59	13.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006143	564569.35	4227733.58	13.19	2.55	8.80E-7	10.00		4.65	2.37
	L0006144	564579.35	4227733.56	13.52	2.55	8.80E-7	10.00		4.65	2.37
	L0006145	564589.35	4227733.55	13.86	2.55	8.80E-7	10.00		4.65	2.37
	L0006146	564599.35	4227733.53	14.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006147	564609.35	4227733.51	14.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006148	564619.35	4227733.50	14.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006149	564629.35	4227733.48	14.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006150	564639.35	4227733.47	14.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006151	564649.35	4227733.45	14.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006152	564659.35	4227733.43	14.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006153	564669.35	4227733.42	14.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006154	564679.35	4227733.40	14.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006155	564689.35	4227733.39	14.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006156	564699.35	4227733.37	14.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006157	564709.35	4227733.35	14.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006158	564719.35	4227733.34	14.19	2.55	8.80E-7	10.00		4.65	2.37
	L0006159	564729.35	4227733.32	14.52	2.55	8.80E-7	10.00		4.65	2.37
	L0006160	564739.35	4227733.31	14.86	2.55	8.80E-7	10.00		4.65	2.37
	L0006161	564749.35	4227733.29	15.00	2.55	8.80E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREENISLAND	L0006162	564759.35	4227733.27	15.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006163	564769.35	4227733.26	15.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006164	564779.35	4227733.24	15.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006165	564789.35	4227733.23	15.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006166	564799.35	4227733.21	15.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006167	564809.35	4227733.19	15.19	2.55	8.80E-7	10.00		4.65	2.37
	L0006168	564819.35	4227733.18	15.52	2.55	8.80E-7	10.00		4.65	2.37
	L0006169	564829.35	4227733.16	15.86	2.55	8.80E-7	10.00		4.65	2.37
	L0006170	564839.35	4227733.15	16.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006171	564849.35	4227733.13	16.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006172	564859.35	4227733.11	16.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006173	564869.35	4227733.10	16.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006174	564879.35	4227733.08	16.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006175	564889.35	4227733.07	16.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006176	564899.35	4227733.05	16.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006177	564909.35	4227733.03	16.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006178	564919.35	4227733.02	16.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006179	564929.35	4227733.00	16.19	2.55	8.80E-7	10.00		4.65	2.37
	L0006180	564939.35	4227732.99	16.52	2.55	8.80E-7	10.00		4.65	2.37
	L0006181	564949.35	4227732.97	16.86	2.55	8.80E-7	10.00		4.65	2.37
	L0006182	564959.35	4227732.95	17.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006183	564969.35	4227732.94	17.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006184	564979.35	4227732.92	17.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006185	564989.35	4227732.91	17.19	2.55	8.80E-7	10.00		4.65	2.37
	L0006186	564999.35	4227732.89	17.52	2.55	8.80E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREENISLAND	L0006187	565009.35	4227732.87	17.86	2.55	8.80E-7	10.00		4.65	2.37
	L0006188	565019.35	4227732.86	18.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006189	565029.35	4227732.84	18.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006190	565039.35	4227732.83	18.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006191	565049.35	4227732.81	18.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006192	565059.35	4227732.79	18.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006193	565069.35	4227732.78	18.00	2.55	8.80E-7	10.00		4.65	2.37
	L0006194	565079.35	4227732.76	18.19	2.55	8.80E-7	10.00		4.65	2.37
	L0006195	565089.35	4227732.74	18.52	2.55	8.80E-7	10.00		4.65	2.37
	L0006196	565099.35	4227732.73	18.86	2.55	8.80E-7	10.00		4.65	2.37
	L0006197	565109.35	4227732.71	19.00	2.55	8.80E-7	10.00		4.65	2.37

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
HWY29	L0006198	565127.74	4228400.04	15.83	2.55	2.81E-6	36.00		16.74	2.37
	L0006199	565127.88	4228364.04	15.81	2.55	2.81E-6	36.00		16.74	2.37
	L0006200	565128.01	4228328.04	15.81	2.55	2.81E-6	36.00		16.74	2.37
	L0006201	565128.15	4228292.04	15.82	2.55	2.81E-6	36.00		16.74	2.37
	L0006202	565128.28	4228256.04	15.94	2.55	2.81E-6	36.00		16.74	2.37
	L0006203	565128.42	4228220.04	16.00	2.55	2.81E-6	36.00		16.74	2.37
	L0006204	565128.55	4228184.04	16.07	2.55	2.81E-6	36.00		16.74	2.37
	L0006205	565128.69	4228148.04	17.00	2.55	2.81E-6	36.00		16.74	2.37
	L0006206	565128.82	4228112.04	17.40	2.55	2.81E-6	36.00		16.74	2.37
	L0006207	565128.96	4228076.04	17.84	2.55	2.81E-6	36.00		16.74	2.37
	L0006208	565129.10	4228040.04	17.98	2.55	2.81E-6	36.00		16.74	2.37
	L0006209	565129.23	4228004.04	18.00	2.55	2.81E-6	36.00		16.74	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
HWY29	L0006210	565129.37	4227968.04	18.23	2.55	2.81E-6	36.00		16.74	2.37
	L0006211	565129.50	4227932.04	18.93	2.55	2.81E-6	36.00		16.74	2.37
	L0006212	565129.64	4227896.04	19.00	2.55	2.81E-6	36.00		16.74	2.37
	L0006213	565129.77	4227860.04	19.00	2.55	2.81E-6	36.00		16.74	2.37
	L0006214	565130.59	4227824.06	19.00	2.55	2.81E-6	36.00		16.74	2.37
	L0006215	565132.29	4227788.10	19.00	2.55	2.81E-6	36.00		16.74	2.37
	L0006216	565133.99	4227752.14	19.00	2.55	2.81E-6	36.00		16.74	2.37
	L0006217	565136.80	4227716.27	19.10	2.55	2.81E-6	36.00		16.74	2.37
	L0006218	565140.86	4227680.50	19.24	2.55	2.81E-6	36.00		16.74	2.37
	L0006219	565144.91	4227644.73	19.37	2.55	2.81E-6	36.00		16.74	2.37
	L0006220	565148.97	4227608.96	19.51	2.55	2.81E-6	36.00		16.74	2.37
	L0006221	565152.99	4227573.18	19.36	2.55	2.81E-6	36.00		16.74	2.37
	L0006222	565156.99	4227537.40	19.00	2.55	2.81E-6	36.00		16.74	2.37

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL	L0006223	564563.39	4228759.13	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006224	564564.93	4228756.41	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006225	564566.47	4228753.70	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006226	564568.01	4228750.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006227	564569.55	4228748.27	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006228	564571.09	4228745.56	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006229	564572.62	4228742.84	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006230	564574.16	4228740.13	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006231	564575.70	4228737.41	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006232	564577.24	4228734.70	13.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL	L0006233	564578.78	4228731.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006234	564580.31	4228729.27	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006235	564581.85	4228726.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006236	564583.39	4228723.84	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006237	564584.93	4228721.13	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006238	564586.47	4228718.41	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006239	564588.00	4228715.70	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006240	564589.54	4228712.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006241	564591.08	4228710.27	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006242	564592.62	4228707.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006243	564594.16	4228704.84	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006244	564595.70	4228702.12	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006245	564597.23	4228699.41	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006246	564598.77	4228696.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006247	564600.31	4228693.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006248	564601.85	4228691.27	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006249	564603.39	4228688.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006250	564604.92	4228685.84	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006251	564606.46	4228683.12	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006252	564608.00	4228680.41	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006253	564609.54	4228677.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006254	564611.08	4228674.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006255	564612.61	4228672.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006256	564614.15	4228669.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006257	564615.69	4228666.84	13.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

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RAIL	L0006258	564617.23	4228664.12	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006259	564618.77	4228661.41	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006260	564620.31	4228658.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006261	564621.84	4228655.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006262	564623.38	4228653.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006263	564624.92	4228650.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006264	564626.46	4228647.83	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006265	564628.00	4228645.12	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006266	564629.53	4228642.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006267	564631.07	4228639.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006268	564632.61	4228636.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006269	564634.15	4228634.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006270	564635.69	4228631.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006271	564637.23	4228628.83	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006272	564638.76	4228626.12	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006273	564640.30	4228623.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006274	564641.84	4228620.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006275	564643.38	4228617.97	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006276	564644.92	4228615.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006277	564646.45	4228612.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006278	564647.99	4228609.83	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006279	564649.53	4228607.12	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006280	564651.07	4228604.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006281	564652.61	4228601.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006282	564654.14	4228598.97	13.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

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RAIL	L0006283	564655.68	4228596.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006284	564657.22	4228593.54	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006285	564658.76	4228590.83	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006286	564660.30	4228588.11	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006287	564661.84	4228585.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006288	564663.37	4228582.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006289	564664.91	4228579.97	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006290	564666.45	4228577.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006291	564667.99	4228574.54	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006292	564669.53	4228571.83	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006293	564671.06	4228569.11	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006294	564672.60	4228566.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006295	564674.14	4228563.68	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006296	564675.68	4228560.97	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006297	564677.22	4228558.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006298	564678.76	4228555.54	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006299	564680.29	4228552.83	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006300	564681.83	4228550.11	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006301	564683.37	4228547.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006302	564684.91	4228544.68	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006303	564686.45	4228541.97	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006304	564687.98	4228539.25	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006305	564689.52	4228536.54	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006306	564691.06	4228533.82	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006307	564692.60	4228531.11	13.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL	L0006308	564694.14	4228528.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006309	564695.67	4228525.68	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006310	564697.21	4228522.97	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006311	564698.75	4228520.25	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006312	564700.29	4228517.54	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006313	564701.83	4228514.82	12.98	0.00	9.74E-9	3.12		1.45	2.27
	L0006314	564703.37	4228512.11	12.95	0.00	9.74E-9	3.12		1.45	2.27
	L0006315	564704.90	4228509.39	12.93	0.00	9.74E-9	3.12		1.45	2.27
	L0006316	564706.44	4228506.68	12.92	0.00	9.74E-9	3.12		1.45	2.27
	L0006317	564707.98	4228503.97	12.92	0.00	9.74E-9	3.12		1.45	2.27
	L0006318	564709.52	4228501.25	12.93	0.00	9.74E-9	3.12		1.45	2.27
	L0006319	564711.06	4228498.54	12.95	0.00	9.74E-9	3.12		1.45	2.27
	L0006320	564712.59	4228495.82	12.98	0.00	9.74E-9	3.12		1.45	2.27
	L0006321	564714.13	4228493.11	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006322	564715.67	4228490.39	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006323	564717.21	4228487.68	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006324	564718.75	4228484.96	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006325	564720.28	4228482.25	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006326	564721.82	4228479.53	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006327	564723.36	4228476.82	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006328	564724.90	4228474.11	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006329	564726.44	4228471.39	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006330	564727.98	4228468.68	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006331	564729.51	4228465.96	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006332	564731.05	4228463.25	13.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL	L0006333	564732.59	4228460.53	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006334	564734.13	4228457.82	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006335	564735.67	4228455.10	13.02	0.00	9.74E-9	3.12		1.45	2.27
	L0006336	564737.20	4228452.39	13.07	0.00	9.74E-9	3.12		1.45	2.27
	L0006337	564738.74	4228449.68	13.15	0.00	9.74E-9	3.12		1.45	2.27
	L0006338	564740.28	4228446.96	13.24	0.00	9.74E-9	3.12		1.45	2.27
	L0006339	564741.82	4228444.25	13.35	0.00	9.74E-9	3.12		1.45	2.27
	L0006340	564743.36	4228441.53	13.48	0.00	9.74E-9	3.12		1.45	2.27
	L0006341	564744.90	4228438.82	13.58	0.00	9.74E-9	3.12		1.45	2.27
	L0006342	564746.43	4228436.10	13.67	0.00	9.74E-9	3.12		1.45	2.27
	L0006343	564747.97	4228433.39	13.76	0.00	9.74E-9	3.12		1.45	2.27
	L0006344	564749.51	4228430.67	13.85	0.00	9.74E-9	3.12		1.45	2.27
	L0006345	564751.05	4228427.96	13.94	0.00	9.74E-9	3.12		1.45	2.27
	L0006346	564752.59	4228425.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006347	564754.12	4228422.53	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006348	564755.66	4228419.82	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006349	564757.20	4228417.10	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006350	564758.74	4228414.39	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006351	564760.28	4228411.67	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006352	564761.81	4228408.96	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006353	564763.35	4228406.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006354	564764.89	4228403.53	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006355	564766.43	4228400.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006356	564767.97	4228398.10	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006357	564769.51	4228395.39	14.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

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RAIL	L0006358	564771.04	4228392.67	13.99	0.00	9.74E-9	3.12		1.45	2.27
	L0006359	564772.58	4228389.96	13.99	0.00	9.74E-9	3.12		1.45	2.27
	L0006360	564774.12	4228387.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006361	564775.66	4228384.53	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006362	564777.20	4228381.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006363	564778.73	4228379.10	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006364	564780.27	4228376.38	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006365	564781.81	4228373.67	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006366	564783.35	4228370.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006367	564784.89	4228368.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006368	564786.43	4228365.53	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006369	564787.96	4228362.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006370	564789.50	4228360.10	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006371	564791.04	4228357.38	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006372	564792.58	4228354.67	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006373	564794.12	4228351.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006374	564795.65	4228349.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006375	564797.19	4228346.52	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006376	564798.73	4228343.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006377	564800.27	4228341.10	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006378	564801.81	4228338.38	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006379	564803.34	4228335.67	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006380	564804.88	4228332.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006381	564806.42	4228330.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006382	564807.96	4228327.52	14.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

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RAIL	L0006383	564809.50	4228324.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006384	564811.04	4228322.09	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006385	564812.57	4228319.38	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006386	564814.11	4228316.66	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006387	564815.65	4228313.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006388	564817.19	4228311.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006389	564818.73	4228308.52	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006390	564820.26	4228305.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006391	564821.80	4228303.09	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006392	564823.34	4228300.38	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006393	564824.88	4228297.66	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006394	564826.42	4228294.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006395	564827.95	4228292.23	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006396	564829.49	4228289.52	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006397	564831.03	4228286.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006398	564832.57	4228284.09	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006399	564834.11	4228281.38	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006400	564835.65	4228278.66	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006401	564837.18	4228275.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006402	564838.72	4228273.23	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006403	564840.26	4228270.52	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006404	564841.80	4228267.80	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006405	564843.34	4228265.09	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006406	564844.87	4228262.37	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006407	564846.41	4228259.66	14.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

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RAIL	L0006408	564847.95	4228256.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006409	564849.49	4228254.23	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006410	564851.03	4228251.52	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006411	564852.57	4228248.80	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006412	564854.10	4228246.09	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006413	564855.64	4228243.37	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006414	564857.18	4228240.66	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006415	564858.72	4228237.94	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006416	564860.26	4228235.23	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006417	564861.79	4228232.52	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006418	564863.33	4228229.80	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006419	564864.87	4228227.09	14.03	0.00	9.74E-9	3.12		1.45	2.27
	L0006420	564866.41	4228224.37	14.07	0.00	9.74E-9	3.12		1.45	2.27
	L0006421	564867.95	4228221.66	14.12	0.00	9.74E-9	3.12		1.45	2.27
	L0006422	564869.48	4228218.94	14.18	0.00	9.74E-9	3.12		1.45	2.27
	L0006423	564871.02	4228216.23	14.25	0.00	9.74E-9	3.12		1.45	2.27
	L0006424	564872.56	4228213.51	14.36	0.00	9.74E-9	3.12		1.45	2.27
	L0006425	564874.10	4228210.80	14.47	0.00	9.74E-9	3.12		1.45	2.27
	L0006426	564875.64	4228208.08	14.56	0.00	9.74E-9	3.12		1.45	2.27
	L0006427	564877.18	4228205.37	14.65	0.00	9.74E-9	3.12		1.45	2.27
	L0006428	564878.71	4228202.66	14.73	0.00	9.74E-9	3.12		1.45	2.27
	L0006429	564880.25	4228199.94	14.80	0.00	9.74E-9	3.12		1.45	2.27
	L0006430	564881.79	4228197.23	14.85	0.00	9.74E-9	3.12		1.45	2.27
	L0006431	564883.33	4228194.51	14.90	0.00	9.74E-9	3.12		1.45	2.27
	L0006432	564884.87	4228191.80	14.95	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

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RAIL	L0006433	564886.40	4228189.08	14.98	0.00	9.74E-9	3.12		1.45	2.27
	L0006434	564887.94	4228186.37	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006435	564889.48	4228183.65	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006436	564891.02	4228180.94	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006437	564892.56	4228178.23	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006438	564894.10	4228175.51	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006439	564895.63	4228172.80	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006440	564897.17	4228170.08	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006441	564898.71	4228167.37	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006442	564900.25	4228164.65	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006443	564901.79	4228161.94	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006444	564903.32	4228159.22	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006445	564904.86	4228156.51	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006446	564906.40	4228153.79	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006447	564907.94	4228151.08	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006448	564909.48	4228148.37	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006449	564911.01	4228145.65	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006450	564912.42	4228142.87	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006451	564913.64	4228140.00	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006452	564914.87	4228137.13	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006453	564916.09	4228134.26	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006454	564917.32	4228131.39	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006455	564918.54	4228128.52	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006456	564919.77	4228125.65	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006457	564920.85	4228122.73	15.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

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RAIL	L0006458	564921.76	4228119.75	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006459	564922.66	4228116.76	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006460	564923.56	4228113.77	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006461	564924.47	4228110.79	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006462	564925.37	4228107.80	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006463	564926.28	4228104.82	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006464	564927.18	4228101.83	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006465	564927.99	4228098.82	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006466	564928.70	4228095.78	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006467	564929.40	4228092.74	15.02	0.00	9.74E-9	3.12		1.45	2.27
	L0006468	564930.10	4228089.70	15.05	0.00	9.74E-9	3.12		1.45	2.27
	L0006469	564930.80	4228086.66	15.08	0.00	9.74E-9	3.12		1.45	2.27
	L0006470	564931.50	4228083.62	15.11	0.00	9.74E-9	3.12		1.45	2.27
	L0006471	564932.20	4228080.58	15.15	0.00	9.74E-9	3.12		1.45	2.27
	L0006472	564932.90	4228077.54	15.19	0.00	9.74E-9	3.12		1.45	2.27
	L0006473	564933.61	4228074.50	15.24	0.00	9.74E-9	3.12		1.45	2.27
	L0006474	564933.87	4228071.40	15.28	0.00	9.74E-9	3.12		1.45	2.27
	L0006475	564934.04	4228068.28	15.32	0.00	9.74E-9	3.12		1.45	2.27
	L0006476	564934.21	4228065.17	15.35	0.00	9.74E-9	3.12		1.45	2.27
	L0006477	564934.38	4228062.05	15.36	0.00	9.74E-9	3.12		1.45	2.27
	L0006478	564934.55	4228058.93	15.36	0.00	9.74E-9	3.12		1.45	2.27
	L0006479	564934.73	4228055.82	15.37	0.00	9.74E-9	3.12		1.45	2.27
	L0006480	564934.90	4228052.70	15.37	0.00	9.74E-9	3.12		1.45	2.27
	L0006481	564934.91	4228049.58	15.37	0.00	9.74E-9	3.12		1.45	2.27
	L0006482	564934.93	4228046.46	15.38	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL	L0006483	564934.94	4228043.34	15.38	0.00	9.74E-9	3.12		1.45	2.27
	L0006484	564934.96	4228040.22	15.38	0.00	9.74E-9	3.12		1.45	2.27
	L0006485	564934.97	4228037.10	15.38	0.00	9.74E-9	3.12		1.45	2.27
	L0006486	564934.99	4228033.98	15.42	0.00	9.74E-9	3.12		1.45	2.27
	L0006487	564934.66	4228030.88	15.48	0.00	9.74E-9	3.12		1.45	2.27
	L0006488	564934.32	4228027.78	15.54	0.00	9.74E-9	3.12		1.45	2.27
	L0006489	564933.99	4228024.68	15.60	0.00	9.74E-9	3.12		1.45	2.27
	L0006490	564933.66	4228021.58	15.66	0.00	9.74E-9	3.12		1.45	2.27
	L0006491	564933.33	4228018.47	15.72	0.00	9.74E-9	3.12		1.45	2.27
	L0006492	564932.99	4228015.37	15.79	0.00	9.74E-9	3.12		1.45	2.27
	L0006493	564932.66	4228012.27	15.86	0.00	9.74E-9	3.12		1.45	2.27
	L0006494	564932.26	4228009.18	15.93	0.00	9.74E-9	3.12		1.45	2.27
	L0006495	564931.84	4228006.08	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006496	564931.42	4228002.99	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006497	564931.00	4227999.90	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006498	564930.59	4227996.81	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006499	564930.17	4227993.72	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006500	564929.75	4227990.62	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006501	564929.33	4227987.53	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006502	564928.92	4227984.44	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006503	564928.50	4227981.35	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006504	564928.08	4227978.26	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006505	564927.66	4227975.16	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006506	564927.25	4227972.07	16.02	0.00	9.74E-9	3.12		1.45	2.27
	L0006507	564926.83	4227968.98	16.03	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL	L0006508	564926.41	4227965.89	16.03	0.00	9.74E-9	3.12		1.45	2.27
	L0006509	564926.00	4227962.79	16.03	0.00	9.74E-9	3.12		1.45	2.27
	L0006510	564925.59	4227959.70	16.04	0.00	9.74E-9	3.12		1.45	2.27
	L0006511	564925.18	4227956.61	16.03	0.00	9.74E-9	3.12		1.45	2.27
	L0006512	564924.78	4227953.52	16.03	0.00	9.74E-9	3.12		1.45	2.27
	L0006513	564924.37	4227950.42	16.02	0.00	9.74E-9	3.12		1.45	2.27
	L0006514	564923.96	4227947.33	16.01	0.00	9.74E-9	3.12		1.45	2.27
	L0006515	564923.55	4227944.24	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006516	564923.14	4227941.14	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006517	564922.73	4227938.05	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006518	564922.32	4227934.96	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006519	564921.91	4227931.86	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006520	564921.50	4227928.77	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006521	564921.09	4227925.68	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006522	564920.68	4227922.59	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006523	564920.27	4227919.49	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006524	564919.86	4227916.40	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006525	564919.45	4227913.31	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006526	564919.04	4227910.21	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006527	564918.63	4227907.12	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006528	564918.22	4227904.03	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006529	564917.81	4227900.94	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006530	564917.40	4227897.84	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006531	564916.99	4227894.75	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006532	564916.58	4227891.66	16.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL	L0006533	564916.17	4227888.56	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006534	564915.76	4227885.47	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006535	564915.35	4227882.38	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006536	564914.94	4227879.28	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006537	564914.53	4227876.19	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006538	564914.12	4227873.10	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006539	564913.71	4227870.01	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006540	564913.30	4227866.91	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006541	564912.89	4227863.82	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006542	564912.48	4227860.73	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006543	564912.07	4227857.63	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006544	564911.66	4227854.54	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006545	564911.25	4227851.45	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006546	564910.84	4227848.35	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006547	564910.43	4227845.26	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006548	564910.02	4227842.17	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006549	564909.61	4227839.08	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006550	564909.21	4227835.98	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006551	564908.80	4227832.89	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006552	564908.39	4227829.80	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006553	564907.98	4227826.70	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006554	564907.57	4227823.61	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006555	564907.16	4227820.52	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006556	564906.75	4227817.42	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006557	564906.34	4227814.33	16.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL	L0006558	564905.93	4227811.24	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006559	564905.52	4227808.15	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006560	564905.11	4227805.05	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006561	564904.70	4227801.96	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006562	564904.29	4227798.87	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006563	564903.88	4227795.77	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006564	564903.47	4227792.68	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006565	564903.06	4227789.59	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006566	564902.65	4227786.49	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006567	564902.24	4227783.40	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006568	564901.83	4227780.31	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006569	564901.42	4227777.22	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006570	564901.01	4227774.12	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006571	564900.60	4227771.03	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006572	564900.19	4227767.94	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006573	564899.78	4227764.84	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006574	564899.37	4227761.75	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006575	564898.96	4227758.66	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006576	564898.55	4227755.57	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006577	564898.14	4227752.47	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006578	564897.73	4227749.38	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006579	564897.32	4227746.29	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006580	564896.91	4227743.19	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006581	564896.50	4227740.10	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006582	564896.09	4227737.01	16.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL	L0006583	564895.68	4227733.91	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006584	564895.27	4227730.82	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006585	564894.86	4227727.73	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006586	564894.45	4227724.64	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006587	564894.04	4227721.54	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006588	564893.63	4227718.45	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006589	564893.23	4227715.36	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006590	564892.82	4227712.26	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006591	564892.41	4227709.17	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006592	564892.00	4227706.08	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006593	564891.59	4227702.98	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006594	564891.18	4227699.89	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006595	564890.77	4227696.80	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006596	564890.36	4227693.71	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006597	564889.95	4227690.61	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006598	564889.54	4227687.52	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006599	564889.13	4227684.43	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006600	564888.72	4227681.33	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006601	564888.31	4227678.24	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006602	564887.90	4227675.15	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006603	564887.49	4227672.05	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006604	564887.09	4227668.96	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006605	564886.68	4227665.87	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006606	564886.27	4227662.77	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006607	564885.86	4227659.68	16.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL	L0006608	564885.45	4227656.59	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006609	564885.04	4227653.50	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006610	564884.64	4227650.40	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006611	564884.23	4227647.31	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006612	564883.82	4227644.22	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006613	564883.41	4227641.12	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006614	564883.00	4227638.03	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006615	564882.59	4227634.94	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006616	564882.19	4227631.84	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006617	564881.78	4227628.75	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006618	564881.37	4227625.66	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006619	564880.96	4227622.56	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006620	564880.55	4227619.47	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006621	564880.14	4227616.38	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006622	564879.73	4227613.28	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006623	564879.33	4227610.19	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006624	564878.92	4227607.10	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006625	564878.51	4227604.00	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006626	564878.10	4227600.91	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006627	564877.69	4227597.82	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006628	564877.28	4227594.73	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006629	564876.88	4227591.63	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006630	564876.47	4227588.54	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006631	564876.06	4227585.45	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006632	564875.65	4227582.35	16.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL	L0006633	564875.24	4227579.26	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006634	564874.83	4227576.17	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006635	564874.43	4227573.07	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006636	564874.02	4227569.98	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006637	564873.61	4227566.89	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006638	564873.20	4227563.79	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006639	564872.79	4227560.70	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006640	564872.38	4227557.61	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006641	564871.98	4227554.51	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006642	564871.57	4227551.42	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006643	564871.16	4227548.33	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006644	564870.75	4227545.23	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006645	564870.34	4227542.14	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006646	564869.93	4227539.05	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006647	564869.52	4227535.96	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006648	564869.12	4227532.86	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006649	564868.71	4227529.77	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006650	564868.30	4227526.68	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006651	564867.89	4227523.58	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006652	564867.48	4227520.49	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006653	564867.07	4227517.40	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006654	564866.67	4227514.30	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006655	564866.26	4227511.21	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006656	564865.85	4227508.12	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006657	564865.44	4227505.02	16.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL	L0006658	564865.03	4227501.93	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006659	564864.62	4227498.84	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006660	564864.22	4227495.74	15.98	0.00	9.74E-9	3.12		1.45	2.27
	L0006661	564863.81	4227492.65	15.88	0.00	9.74E-9	3.12		1.45	2.27
	L0006662	564863.40	4227489.56	15.77	0.00	9.74E-9	3.12		1.45	2.27
	L0006663	564862.99	4227486.46	15.66	0.00	9.74E-9	3.12		1.45	2.27
	L0006664	564862.58	4227483.37	15.55	0.00	9.74E-9	3.12		1.45	2.27
	L0006665	564862.17	4227480.28	15.44	0.00	9.74E-9	3.12		1.45	2.27
	L0006666	564861.77	4227477.19	15.34	0.00	9.74E-9	3.12		1.45	2.27
	L0006667	564861.36	4227474.09	15.24	0.00	9.74E-9	3.12		1.45	2.27
	L0006668	564860.95	4227471.00	15.14	0.00	9.74E-9	3.12		1.45	2.27
	L0006669	564860.54	4227467.91	15.05	0.00	9.74E-9	3.12		1.45	2.27
	L0006670	564860.13	4227464.81	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006671	564859.72	4227461.72	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006672	564859.32	4227458.63	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006673	564858.91	4227455.53	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006674	564858.50	4227452.44	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006675	564858.09	4227449.35	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006676	564857.68	4227446.25	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006677	564857.27	4227443.16	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006678	564856.86	4227440.07	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006679	564856.46	4227436.97	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006680	564856.24	4227433.86	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006681	564856.03	4227430.75	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006682	564855.82	4227427.64	15.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
RAIL	L0006683	564855.61	4227424.52	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006684	564855.41	4227421.41	15.00	0.00	9.74E-9	3.12		1.45	2.27

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
DEV.OP	L0007066	564836.84	4228739.05	15.11	2.55	8.09E-7	10.00		4.65	2.37
	L0007067	564836.14	4228729.07	15.08	2.55	8.09E-7	10.00		4.65	2.37
	L0007068	564835.45	4228719.10	15.06	2.55	8.09E-7	10.00		4.65	2.37
	L0007069	564834.62	4228709.13	15.03	2.55	8.09E-7	10.00		4.65	2.37
	L0007070	564833.30	4228699.22	14.99	2.55	8.09E-7	10.00		4.65	2.37
	L0007071	564831.98	4228689.31	14.94	2.55	8.09E-7	10.00		4.65	2.37
	L0007072	564830.33	4228679.45	14.89	2.55	8.09E-7	10.00		4.65	2.37
	L0007073	564828.58	4228669.60	14.83	2.55	8.09E-7	10.00		4.65	2.37
	L0007074	564825.07	4228660.30	14.57	2.55	8.09E-7	10.00		4.65	2.37
	L0007075	564820.96	4228651.18	14.29	2.55	8.09E-7	10.00		4.65	2.37
	L0007076	564816.27	4228642.38	14.09	2.55	8.09E-7	10.00		4.65	2.37
	L0007077	564810.98	4228633.89	14.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007078	564805.70	4228625.40	14.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007079	564799.90	4228617.27	13.92	2.55	8.09E-7	10.00		4.65	2.37
	L0007080	564793.69	4228609.44	13.70	2.55	8.09E-7	10.00		4.65	2.37
	L0007081	564787.47	4228601.60	13.39	2.55	8.09E-7	10.00		4.65	2.37
	L0007082	564780.15	4228594.87	13.13	2.55	8.09E-7	10.00		4.65	2.37
	L0007083	564772.36	4228588.60	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007084	564764.32	4228582.65	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007085	564756.24	4228576.76	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007086	564747.74	4228571.51	13.00	2.55	8.09E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.OP	L0007087	564739.16	4228566.37	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007088	564730.56	4228561.26	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007089	564721.77	4228556.51	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007090	564712.97	4228551.75	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007091	564704.17	4228547.00	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007092	564695.38	4228542.24	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007093	564686.58	4228537.49	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007094	564677.78	4228532.73	12.91	2.55	8.09E-7	10.00		4.65	2.37
	L0007095	564668.98	4228527.97	12.70	2.55	8.09E-7	10.00		4.65	2.37
	L0007096	564660.13	4228523.33	12.40	2.55	8.09E-7	10.00		4.65	2.37
	L0007097	564651.08	4228519.08	12.09	2.55	8.09E-7	10.00		4.65	2.37
	L0007098	564642.03	4228514.83	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007099	564632.61	4228511.55	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007100	564623.00	4228508.79	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007101	564613.39	4228506.03	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007102	564603.70	4228503.64	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007103	564593.81	4228502.17	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007104	564583.91	4228500.69	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007105	564573.95	4228500.13	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007106	564563.95	4228500.00	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007107	564553.95	4228499.87	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007108	564543.95	4228499.74	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007109	564533.95	4228499.60	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007110	564523.95	4228499.47	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007111	564513.96	4228499.34	12.00	2.55	8.09E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.OP	L0007112	564503.96	4228499.21	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007113	564493.96	4228499.08	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007114	564483.96	4228498.95	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007115	564473.96	4228498.82	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007116	564463.96	4228498.68	11.81	2.55	8.09E-7	10.00		4.65	2.37
	L0007117	564454.15	4228496.89	11.58	2.55	8.09E-7	10.00		4.65	2.37
	L0007118	564444.39	4228494.73	11.30	2.55	8.09E-7	10.00		4.65	2.37
	L0007119	564434.63	4228492.57	11.15	2.55	8.09E-7	10.00		4.65	2.37
	L0007120	564424.86	4228490.40	11.05	2.55	8.09E-7	10.00		4.65	2.37
	L0007121	564415.10	4228488.24	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007122	564405.34	4228486.08	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007123	564395.49	4228484.71	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007124	564385.49	4228484.72	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007125	564375.49	4228484.74	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007126	564365.49	4228484.76	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007127	564355.49	4228484.77	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007128	564345.49	4228484.79	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007129	564335.49	4228484.80	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007130	564325.49	4228484.82	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007131	564315.49	4228484.84	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007132	564305.49	4228484.85	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007133	564295.49	4228484.87	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007134	564285.49	4228484.88	10.73	2.55	8.09E-7	10.00		4.65	2.37
	L0007135	564275.49	4228484.90	10.39	2.55	8.09E-7	10.00		4.65	2.37
	L0007136	564265.49	4228484.92	10.06	2.55	8.09E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

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DEV.OP	L0007137	564255.49	4228484.93	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007138	564245.49	4228484.95	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007139	564235.49	4228484.97	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007140	564225.49	4228484.98	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007141	564215.49	4228485.00	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007142	564209.86	4228480.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007143	564209.87	4228470.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007144	564209.88	4228460.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007145	564209.89	4228450.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007146	564209.91	4228440.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007147	564209.92	4228430.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007148	564209.93	4228420.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007149	564209.94	4228410.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007150	564209.95	4228400.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007151	564209.96	4228390.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007152	564209.97	4228380.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007153	564209.98	4228370.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007154	564209.99	4228360.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007155	564210.00	4228350.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007156	564210.02	4228340.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007157	564210.03	4228330.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007158	564210.04	4228320.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007159	564210.05	4228310.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007160	564210.06	4228300.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007161	564210.07	4228290.64	10.00	2.55	8.09E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.OP	L0007162	564210.08	4228280.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007163	564210.09	4228270.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007164	564210.10	4228260.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007165	564210.11	4228250.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007166	564210.13	4228240.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007167	564210.14	4228230.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007168	564210.15	4228220.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007169	564210.16	4228210.64	10.04	2.55	8.09E-7	10.00		4.65	2.37
	L0007170	564210.17	4228200.64	10.11	2.55	8.09E-7	10.00		4.65	2.37
	L0007171	564210.18	4228190.64	10.19	2.55	8.09E-7	10.00		4.65	2.37
	L0007172	564210.19	4228180.64	10.22	2.55	8.09E-7	10.00		4.65	2.37
	L0007173	564210.20	4228170.64	10.22	2.55	8.09E-7	10.00		4.65	2.37
	L0007174	564210.21	4228160.64	10.22	2.55	8.09E-7	10.00		4.65	2.37
	L0007175	564210.22	4228150.64	10.22	2.55	8.09E-7	10.00		4.65	2.37
	L0007176	564210.24	4228140.64	10.22	2.55	8.09E-7	10.00		4.65	2.37
	L0007177	564210.25	4228130.64	10.22	2.55	8.09E-7	10.00		4.65	2.37
	L0007178	564210.26	4228120.64	10.37	2.55	8.09E-7	10.00		4.65	2.37
	L0007179	564210.27	4228110.64	10.63	2.55	8.09E-7	10.00		4.65	2.37
	L0007180	564210.28	4228100.64	10.89	2.55	8.09E-7	10.00		4.65	2.37
	L0007181	564210.29	4228090.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007182	564210.30	4228080.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007183	564210.31	4228070.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007184	564210.32	4228060.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007185	564210.33	4228050.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007186	564210.35	4228040.64	11.00	2.55	8.09E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.OP	L0007187	564210.36	4228030.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007188	564210.37	4228020.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007189	564210.38	4228010.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007190	564210.39	4228000.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007191	564210.40	4227990.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007192	564210.41	4227980.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007193	564210.42	4227970.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007194	564210.43	4227960.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007195	564210.44	4227950.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007196	564210.46	4227940.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007197	564210.47	4227930.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007198	564210.48	4227920.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007199	564210.49	4227910.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007200	564210.50	4227900.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007201	564210.51	4227890.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007202	564210.52	4227880.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007203	564210.53	4227870.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007204	564210.54	4227860.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007205	564210.56	4227850.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007206	564210.57	4227840.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007207	564210.58	4227830.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007208	564210.59	4227820.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007209	564210.60	4227810.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007210	564210.61	4227800.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007211	564210.62	4227790.64	10.86	2.55	8.09E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
DEV.OP	L0007212	564210.63	4227780.64	10.60	2.55	8.09E-7	10.00		4.65	2.37
	L0007213	564210.64	4227770.64	10.34	2.55	8.09E-7	10.00		4.65	2.37
	L0007214	564210.65	4227760.64	10.23	2.55	8.09E-7	10.00		4.65	2.37
	L0007215	564210.67	4227750.64	10.23	2.55	8.09E-7	10.00		4.65	2.37
	L0007216	564210.68	4227740.64	10.23	2.55	8.09E-7	10.00		4.65	2.37

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
GREEN.OP	L0007368	564214.52	4227734.17	10.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007369	564224.52	4227734.16	10.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007370	564234.52	4227734.14	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007371	564244.52	4227734.13	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007372	564254.52	4227734.11	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007373	564264.52	4227734.09	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007374	564274.52	4227734.08	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007375	564284.52	4227734.06	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007376	564294.52	4227734.05	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007377	564304.52	4227734.03	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007378	564314.52	4227734.01	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007379	564324.52	4227734.00	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007380	564334.52	4227733.98	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007381	564344.52	4227733.96	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007382	564354.52	4227733.95	11.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007383	564364.52	4227733.93	11.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007384	564374.52	4227733.92	11.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007385	564384.52	4227733.90	12.00	2.55	8.06E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREEN.OP	L0007386	564394.52	4227733.88	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007387	564404.52	4227733.87	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007388	564414.52	4227733.85	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007389	564424.52	4227733.84	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007390	564434.52	4227733.82	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007391	564444.52	4227733.80	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007392	564454.52	4227733.79	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007393	564464.52	4227733.77	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007394	564474.52	4227733.76	12.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007395	564484.52	4227733.74	12.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007396	564494.52	4227733.72	12.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007397	564504.52	4227733.71	13.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007398	564514.52	4227733.69	13.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007399	564524.52	4227733.67	13.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007400	564534.52	4227733.66	13.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007401	564544.52	4227733.64	13.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007402	564554.52	4227733.63	13.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007403	564564.52	4227733.61	13.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007404	564574.52	4227733.59	13.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007405	564584.52	4227733.58	13.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007406	564594.52	4227733.56	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007407	564604.52	4227733.55	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007408	564614.52	4227733.53	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007409	564624.52	4227733.51	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007410	564634.52	4227733.50	14.00	2.55	8.06E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREEN.OP	L0007411	564644.52	4227733.48	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007412	564654.52	4227733.47	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007413	564664.52	4227733.45	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007414	564674.52	4227733.43	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007415	564684.52	4227733.42	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007416	564694.52	4227733.40	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007417	564704.52	4227733.38	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007418	564714.52	4227733.37	14.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007419	564724.52	4227733.35	14.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007420	564734.52	4227733.34	14.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007421	564744.52	4227733.32	15.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007422	564754.52	4227733.30	15.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007423	564764.52	4227733.29	15.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007424	564774.52	4227733.27	15.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007425	564784.52	4227733.26	15.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007426	564794.52	4227733.24	15.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007427	564804.52	4227733.22	15.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007428	564814.52	4227733.21	15.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007429	564824.52	4227733.19	15.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007430	564834.52	4227733.18	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007431	564844.52	4227733.16	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007432	564854.52	4227733.14	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007433	564864.52	4227733.13	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007434	564874.52	4227733.11	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007435	564884.52	4227733.10	16.00	2.55	8.06E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
GREEN.OP	L0007436	564894.52	4227733.08	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007437	564904.52	4227733.06	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007438	564914.52	4227733.05	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007439	564924.52	4227733.03	16.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007440	564934.52	4227733.01	16.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007441	564944.52	4227733.00	16.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007442	564954.52	4227732.98	17.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007443	564964.52	4227732.97	17.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007444	564974.52	4227732.95	17.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007445	564984.52	4227732.93	17.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007446	564994.52	4227732.92	17.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007447	565004.52	4227732.90	17.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007448	565014.52	4227732.89	18.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007449	565024.52	4227732.87	18.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007450	565034.52	4227732.85	18.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007451	565044.52	4227732.84	18.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007452	565054.52	4227732.82	18.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007453	565064.52	4227732.81	18.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007454	565074.52	4227732.79	18.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007455	565084.52	4227732.77	18.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007456	565094.52	4227732.76	18.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007457	565104.52	4227732.74	19.00	2.55	8.06E-7	10.00		4.65	2.37
Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
HWY29.OP	L0007458	565127.13	4228399.80	15.81	3.40	2.54E-6	36.00		16.74	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
HWY29.OP	L0007459	565127.26	4228363.80	15.79	3.40	2.54E-6	36.00		16.74	3.16
	L0007460	565127.38	4228327.80	15.79	3.40	2.54E-6	36.00		16.74	3.16
	L0007461	565127.50	4228291.80	15.79	3.40	2.54E-6	36.00		16.74	3.16
	L0007462	565127.62	4228255.80	15.94	3.40	2.54E-6	36.00		16.74	3.16
	L0007463	565127.74	4228219.80	16.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007464	565127.86	4228183.80	16.08	3.40	2.54E-6	36.00		16.74	3.16
	L0007465	565127.98	4228147.80	17.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007466	565128.10	4228111.80	17.39	3.40	2.54E-6	36.00		16.74	3.16
	L0007467	565128.22	4228075.80	17.82	3.40	2.54E-6	36.00		16.74	3.16
	L0007468	565128.34	4228039.80	17.98	3.40	2.54E-6	36.00		16.74	3.16
	L0007469	565128.46	4228003.80	18.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007470	565129.04	4227967.81	18.24	3.40	2.54E-6	36.00		16.74	3.16
	L0007471	565129.67	4227931.81	18.93	3.40	2.54E-6	36.00		16.74	3.16
	L0007472	565130.31	4227895.82	19.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007473	565130.94	4227859.82	19.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007474	565131.58	4227823.83	19.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007475	565132.22	4227787.83	19.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007476	565132.85	4227751.84	19.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007477	565136.10	4227716.02	19.08	3.40	2.54E-6	36.00		16.74	3.16
	L0007478	565140.18	4227680.25	19.22	3.40	2.54E-6	36.00		16.74	3.16
	L0007479	565144.27	4227644.48	19.35	3.40	2.54E-6	36.00		16.74	3.16
	L0007480	565148.35	4227608.71	19.49	3.40	2.54E-6	36.00		16.74	3.16
	L0007481	565152.44	4227572.95	19.35	3.40	2.54E-6	36.00		16.74	3.16
	L0007482	565156.52	4227537.18	19.00	3.40	2.54E-6	36.00		16.74	3.16

Source Pathway - Source Inputs

AERMOD

Receptor Pathway

AERMOD

Receptor Networks

Note: Terrain Elevations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
 Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	563846.99	4227763.17		9.00	
2	563152.88	4227961.87		10.03	
3	563514.22	4227959.26		10.45	
4	563487.56	4227974.48		10.12	
5	563482.14	4227991.20		10.97	
6	563427.00	4227966.19		10.00	
7	563425.95	4227956.25		10.00	
8	563265.64	4227970.13		9.00	
9	562505.78	4227951.68		3.18	
10	563810.19	4227762.07		9.00	
11	563740.68	4227815.91		9.00	
12	564832.15	4226970.55		18.57	
13	564869.92	4226938.63		17.38	
14	565044.27	4226568.58		18.00	
15	564973.13	4226565.86		18.00	
16	564955.94	4226541.29		18.00	
17	564893.17	4226549.81		22.03	
18	565028.87	4226540.35		18.00	
19	565035.66	4226521.39		18.00	
20	565038.10	4226497.30		18.00	
21	565000.82	4226474.49		18.00	
22	565008.62	4226449.37		18.00	
23	565042.99	4226474.21		18.00	
24	565049.05	4226447.64		18.00	
25	565049.05	4226421.36		18.00	
26	565437.70	4226745.61		20.00	
27	565456.18	4226744.45		20.00	
28	565498.35	4226743.87		21.00	
29	565514.23	4226744.16		21.00	
30	565441.17	4226713.84		20.00	

Receptor Pathway

AERMOD

31	565459.65	4226713.55	20.00
32	565517.12	4226698.53	21.00
33	565516.25	4226683.80	21.00
34	565482.47	4226674.27	20.63
35	565483.33	4226658.68	20.66
36	565433.95	4226666.19	20.00
37	565434.24	4226653.48	20.00
38	565444.63	4226624.31	20.00
39	565463.98	4226624.31	20.01
40	565509.03	4226631.82	21.00
41	565509.03	4226617.38	21.00
42	565314.45	4227270.70	20.00
43	565291.64	4227217.62	19.00
44	565309.08	4227218.00	19.00
45	565384.70	4227209.41	20.00
46	565449.84	4227190.61	20.00
47	565496.35	4227202.46	20.28
48	565481.62	4227270.05	21.00
49	565516.57	4227270.92	21.00
50	565553.69	4227134.21	22.00
51	565613.85	4227214.51	22.01
52	565588.48	4227278.18	22.85
53	565625.01	4227289.45	24.49
54	565729.83	4227269.14	29.12
55	565890.63	4227286.35	34.23
56	565430.90	4227667.38	23.64
57	565017.44	4228947.47	20.67
58	566101.79	4227980.30	40.54
59	566081.49	4228935.03	70.63
60	564793.53	4226912.96	21.04
61	564970.33	4226914.23	16.00
62	565009.97	4226624.20	18.00
63	564973.04	4226624.09	18.00
64	564972.69	4226614.91	18.00
65	564928.06	4226614.73	18.85
66	564928.06	4226608.07	18.85
67	564884.55	4226608.07	21.49
68	564848.83	4226641.41	22.74

Receptor Pathway

AERMOD

69	564798.44	4226913.00	20.81
70	564803.35	4226913.03	20.57
71	564808.26	4226913.07	20.32
72	564813.17	4226913.10	20.07
73	564818.09	4226913.14	19.81
74	564823.00	4226913.17	19.56
75	564827.91	4226913.21	19.30
76	564832.82	4226913.24	19.04
77	564837.73	4226913.28	18.86
78	564842.64	4226913.31	18.70
79	564847.55	4226913.35	18.54
80	564852.46	4226913.38	18.37
81	564857.37	4226913.42	18.21
82	564862.29	4226913.45	18.05
83	564867.20	4226913.49	17.88
84	564872.11	4226913.52	17.72
85	564877.02	4226913.56	17.56
86	564881.93	4226913.60	17.39
87	564886.84	4226913.63	17.23
88	564891.75	4226913.67	17.06
89	564896.66	4226913.70	16.90
90	564901.57	4226913.74	16.74
91	564906.49	4226913.77	16.57
92	564911.40	4226913.81	16.41
93	564916.31	4226913.84	16.25
94	564921.22	4226913.88	16.08
95	564926.13	4226913.91	16.00
96	564931.04	4226913.95	16.00
97	564935.95	4226913.98	16.00
98	564940.86	4226914.02	16.00
99	564945.77	4226914.05	16.00
100	564950.69	4226914.09	16.00
101	564955.60	4226914.12	16.00
102	564960.51	4226914.16	16.00
103	564965.42	4226914.20	16.00
104	564971.00	4226909.31	16.00
105	564971.67	4226904.40	16.00
106	564972.35	4226899.48	16.00

Receptor Pathway

AERMOD

107	564973.02	4226894.57	16.00
108	564973.69	4226889.65	16.00
109	564974.36	4226884.74	16.00
110	564975.03	4226879.82	16.00
111	564975.70	4226874.90	16.00
112	564976.38	4226869.99	16.00
113	564977.05	4226865.07	16.00
114	564977.72	4226860.16	16.00
115	564978.39	4226855.24	16.00
116	564979.06	4226850.33	16.00
117	564979.74	4226845.41	16.00
118	564980.41	4226840.49	16.00
119	564981.08	4226835.58	16.00
120	564981.75	4226830.66	16.01
121	564982.42	4226825.75	16.01
122	564983.10	4226820.83	16.01
123	564983.77	4226815.92	16.00
124	564984.44	4226811.00	16.00
125	564985.11	4226806.08	16.01
126	564985.78	4226801.17	16.17
127	564986.45	4226796.25	16.33
128	564987.13	4226791.34	16.50
129	564987.80	4226786.42	16.66
130	564988.47	4226781.50	16.83
131	564989.14	4226776.59	16.99
132	564989.81	4226771.67	17.00
133	564990.49	4226766.76	17.00
134	564991.16	4226761.84	17.00
135	564991.83	4226756.93	17.00
136	564992.50	4226752.01	17.00
137	564993.17	4226747.09	17.00
138	564993.85	4226742.18	17.00
139	564994.52	4226737.26	17.00
140	564995.19	4226732.35	17.00
141	564995.86	4226727.43	17.00
142	564996.53	4226722.52	17.00
143	564997.20	4226717.60	17.00
144	564997.88	4226712.68	17.12

Receptor Pathway

AERMOD

145	564998.55	4226707.77	17.28
146	564999.22	4226702.85	17.45
147	564999.89	4226697.94	17.61
148	565000.56	4226693.02	17.77
149	565001.24	4226688.11	17.94
150	565001.91	4226683.19	18.00
151	565002.58	4226678.27	18.00
152	565003.25	4226673.36	18.00
153	565003.92	4226668.44	18.00
154	565004.60	4226663.53	18.00
155	565005.27	4226658.61	18.00
156	565005.94	4226653.70	18.00
157	565006.61	4226648.78	18.00
158	565007.28	4226643.86	18.00
159	565007.95	4226638.95	18.00
160	565008.63	4226634.03	18.00
161	565009.30	4226629.12	18.00
162	565005.35	4226624.19	18.00
163	565000.74	4226624.17	18.00
164	564996.12	4226624.16	18.00
165	564991.51	4226624.15	18.00
166	564986.89	4226624.13	18.00
167	564982.27	4226624.12	18.00
168	564977.66	4226624.10	18.00
169	564972.87	4226619.50	18.00
170	564967.73	4226614.89	18.00
171	564962.77	4226614.87	18.00
172	564957.81	4226614.85	18.00
173	564952.85	4226614.83	18.03
174	564947.90	4226614.81	18.19
175	564942.94	4226614.79	18.36
176	564937.98	4226614.77	18.52
177	564933.02	4226614.75	18.69
178	564928.06	4226611.40	18.85
179	564923.23	4226608.07	19.03
180	564918.39	4226608.07	19.35
181	564913.56	4226608.07	19.67
182	564908.72	4226608.07	20.00

Receptor Pathway

AERMOD

183	564903.89	4226608.07	20.32
184	564899.05	4226608.07	20.64
185	564894.22	4226608.07	20.96
186	564889.38	4226608.07	21.23
187	564880.98	4226611.40	21.63
188	564877.41	4226614.74	21.75
189	564873.83	4226618.07	21.84
190	564870.26	4226621.41	21.91
191	564866.69	4226624.74	21.95
192	564863.12	4226628.07	22.04
193	564859.55	4226631.41	22.25
194	564855.97	4226634.74	22.44
195	564852.40	4226638.08	22.60
196	564847.84	4226646.26	22.70
197	564846.86	4226651.11	22.66
198	564845.87	4226655.96	22.60
199	564844.88	4226660.81	22.63
200	564843.89	4226665.66	22.66
201	564842.91	4226670.51	22.69
202	564841.92	4226675.35	22.73
203	564840.93	4226680.20	22.76
204	564839.94	4226685.05	22.79
205	564838.96	4226689.90	22.82
206	564837.97	4226694.75	22.86
207	564836.98	4226699.60	22.89
208	564835.99	4226704.45	22.92
209	564835.01	4226709.30	22.96
210	564834.02	4226714.15	22.99
211	564833.03	4226719.00	23.02
212	564832.04	4226723.85	23.05
213	564831.06	4226728.69	23.09
214	564830.07	4226733.54	23.12
215	564829.08	4226738.39	23.15
216	564828.09	4226743.24	23.19
217	564827.11	4226748.09	23.11
218	564826.12	4226752.94	22.86
219	564825.13	4226757.79	22.63
220	564824.14	4226762.64	22.40

Receptor Pathway

AERMOD

221	564823.16	4226767.49	22.18
222	564822.17	4226772.34	21.98
223	564821.18	4226777.19	21.82
224	564820.19	4226782.03	21.81
225	564819.21	4226786.88	21.79
226	564818.22	4226791.73	21.76
227	564817.23	4226796.58	21.72
228	564816.24	4226801.43	21.67
229	564815.26	4226806.28	21.61
230	564814.27	4226811.13	21.59
231	564813.28	4226815.98	21.58
232	564812.29	4226820.83	21.57
233	564811.31	4226825.68	21.58
234	564810.32	4226830.53	21.60
235	564809.33	4226835.37	21.63
236	564808.34	4226840.22	21.58
237	564807.36	4226845.07	21.50
238	564806.37	4226849.92	21.41
239	564805.38	4226854.77	21.30
240	564804.39	4226859.62	21.19
241	564803.41	4226864.47	21.08
242	564802.42	4226869.32	20.98
243	564801.43	4226874.17	20.89
244	564800.44	4226879.02	20.79
245	564799.46	4226883.87	20.69
246	564798.47	4226888.71	20.60
247	564797.48	4226893.56	20.50
248	564796.49	4226898.41	20.53
249	564795.51	4226903.26	20.71
250	564794.52	4226908.11	20.88
251	565006.95	4226529.57	18.00
252	565012.12	4226486.09	18.00
253	564904.50	4226487.58	22.14
254	564903.47	4226530.72	21.47
255	565007.52	4226524.74	18.00
256	565008.10	4226519.91	18.00
257	565008.67	4226515.08	18.00
258	565009.25	4226510.25	18.00

Receptor Pathway

AERMOD

259	565009.82	4226505.41	18.00
260	565010.40	4226500.58	18.00
261	565010.97	4226495.75	18.00
262	565011.55	4226490.92	18.00
263	565007.23	4226486.16	18.00
264	565002.34	4226486.23	18.00
265	564997.44	4226486.29	18.00
266	564992.55	4226486.36	18.00
267	564987.66	4226486.43	18.00
268	564982.77	4226486.50	18.02
269	564977.88	4226486.56	18.13
270	564972.99	4226486.63	18.23
271	564968.09	4226486.70	18.34
272	564963.20	4226486.77	18.44
273	564958.31	4226486.84	18.55
274	564953.42	4226486.90	18.66
275	564948.53	4226486.97	18.99
276	564943.63	4226487.04	19.31
277	564938.74	4226487.11	19.63
278	564933.85	4226487.17	19.96
279	564928.96	4226487.24	20.28
280	564924.07	4226487.31	20.61
281	564919.18	4226487.38	20.98
282	564914.28	4226487.45	21.37
283	564909.39	4226487.51	21.76
284	564904.39	4226492.37	22.09
285	564904.27	4226497.17	22.05
286	564904.16	4226501.96	22.00
287	564904.04	4226506.75	21.95
288	564903.93	4226511.55	21.86
289	564903.81	4226516.34	21.76
290	564903.70	4226521.13	21.67
291	564903.58	4226525.93	21.57
292	564908.40	4226530.67	21.11
293	564913.33	4226530.61	20.75
294	564918.25	4226530.56	20.40
295	564923.18	4226530.50	20.04
296	564928.11	4226530.45	19.70

Receptor Pathway

AERMOD

297	564933.04	4226530.39	19.38
298	564937.96	4226530.34	19.05
299	564942.89	4226530.28	18.72
300	564947.82	4226530.23	18.39
301	564952.75	4226530.17	18.06
302	564957.67	4226530.12	18.00
303	564962.60	4226530.06	18.00
304	564967.53	4226530.01	18.00
305	564972.46	4226529.95	18.00
306	564977.38	4226529.90	18.00
307	564982.31	4226529.84	18.00
308	564987.24	4226529.79	18.00
309	564992.17	4226529.73	18.00
310	564997.09	4226529.68	18.00
311	565002.02	4226529.63	18.00

Plant Boundary Receptors

Cartesian Plant Boundary

Primary

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	564210.16	4227741.41	FENCEPRI	10.22	
2	564211.21	4227962.51	FENCEPRI	11.00	
3	564354.58	4227962.51	FENCEPRI	12.00	
4	564353.00	4227982.47	FENCEPRI	11.98	
5	564614.01	4227980.89	FENCEPRI	13.00	
6	564617.69	4227743.51	FENCEPRI	14.00	
7	564884.55	4227743.19	FENCEPRI	16.00	
8	564926.65	4228034.30	FENCEPRI	15.16	
9	564924.87	4228077.16	FENCEPRI	15.03	
10	564915.94	4228111.98	FENCEPRI	15.00	
11	564898.97	4228151.71	FENCEPRI	15.00	
12	564701.68	4228465.17	FENCEPRI	12.60	
13	563449.86	4228465.13	FENCEPRI	5.74	
14	563456.60	4228067.69	FENCEPRI	12.00	
15	564042.56	4227742.07	FENCEPRI	9.70	

Receptor Pathway

AERMOD

Receptor Groups

Record Number	Group ID	Group Description
1	FENCEPRI	Cartesian plant boundary Primary Receptors
2	FENCEINT	Cartesian plant boundary Intermediate Receptors

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: C:\Users\lpark\Desktop\COMPLETED PROJECTS\5476.0001 American Canyon Inn\HRA\724955\724955.SF
 Format Type: Default AERMET format

Profile Met Data

Filename: C:\Users\lpark\Desktop\COMPLETED PROJECTS\5476.0001 American Canyon Inn\HRA\724955\724955.PF
 Format Type: Default AERMET format

Wind Speed



Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 4.30 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2009			
Upper Air		2009			

Data Period

Data Period to Process

Start Date: 1/1/2009 Start Hour: 1 End Date: 1/2/2014 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Sensitive Receptor Summary

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PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00989	ug/m^3	R1	563846.99	4227763.17	9.00	1.50	9.00	
PERIOD		0.00395	ug/m^3	R2	563152.88	4227961.87	10.03	1.50	10.03	
PERIOD		0.00977	ug/m^3	R3	563514.22	4227959.26	10.45	1.50	10.45	
PERIOD		0.00946	ug/m^3	R4	563487.56	4227974.48	10.12	1.50	10.12	
PERIOD		0.00998	ug/m^3	R5	563482.14	4227991.20	10.97	1.50	10.97	
PERIOD		0.00714	ug/m^3	R6	563427.00	4227966.19	10.00	1.50	10.00	
PERIOD		0.00688	ug/m^3	R7	563425.95	4227956.25	10.00	1.50	10.00	
PERIOD		0.00478	ug/m^3	R8	563265.64	4227970.13	9.00	1.50	9.00	
PERIOD		0.00894	ug/m^3	R10	563810.19	4227762.07	9.00	1.50	9.00	
PERIOD		0.00960	ug/m^3	R11	563740.68	4227815.91	9.00	1.50	9.00	
PERIOD		0.00523	ug/m^3	R12	564832.15	4226970.55	18.57	1.50	80.00	
PERIOD		0.00481	ug/m^3	R13	564869.92	4226938.63	17.38	1.50	80.00	
PERIOD		0.00262	ug/m^3	R14	565044.27	4226568.58	18.00	1.50	251.00	
PERIOD		0.00288	ug/m^3	R15	564973.13	4226565.86	18.00	1.50	80.00	
PERIOD		0.00289	ug/m^3	R16	564955.94	4226541.29	18.00	1.50	80.00	
PERIOD		0.00306	ug/m^3	R17	564893.17	4226549.81	22.03	1.50	80.00	
PERIOD		0.00262	ug/m^3	R18	565028.87	4226540.35	18.00	1.50	251.00	
PERIOD		0.00256	ug/m^3	R19	565035.66	4226521.39	18.00	1.50	251.00	
PERIOD		0.00251	ug/m^3	R20	565038.10	4226497.30	18.00	1.50	251.00	
PERIOD		0.00259	ug/m^3	R21	565000.82	4226474.49	18.00	1.50	80.00	

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00252	ug/m^3	R22	565008.62	4226449.37	18.00	1.50	250.00	
PERIOD		0.00246	ug/m^3	R23	565042.99	4226474.21	18.00	1.50	251.00	
PERIOD		0.00240	ug/m^3	R24	565049.05	4226447.64	18.00	1.50	251.00	
PERIOD		0.00236	ug/m^3	R25	565049.05	4226421.36	18.00	1.50	251.00	
PERIOD		0.00194	ug/m^3	R26	565437.70	4226745.61	20.00	1.50	265.00	
PERIOD		0.00192	ug/m^3	R27	565456.18	4226744.45	20.00	1.50	265.00	
PERIOD		0.00187	ug/m^3	R28	565498.35	4226743.87	21.00	1.50	265.00	
PERIOD		0.00186	ug/m^3	R29	565514.23	4226744.16	21.00	1.50	265.00	
PERIOD		0.00188	ug/m^3	R30	565441.17	4226713.84	20.00	1.50	265.00	
PERIOD		0.00186	ug/m^3	R31	565459.65	4226713.55	20.00	1.50	265.00	
PERIOD		0.00177	ug/m^3	R32	565517.12	4226698.53	21.00	1.50	265.00	
PERIOD		0.00175	ug/m^3	R33	565516.25	4226683.80	21.00	1.50	265.00	
PERIOD		0.00176	ug/m^3	R34	565482.46	4226674.27	20.63	1.50	265.00	
PERIOD		0.00173	ug/m^3	R35	565483.33	4226658.68	20.66	1.50	265.00	
PERIOD		0.00180	ug/m^3	R36	565433.95	4226666.19	20.00	1.50	265.00	
PERIOD		0.00172	ug/m^3	R38	565444.63	4226624.31	20.00	1.50	265.00	
PERIOD		0.00170	ug/m^3	R39	565463.98	4226624.31	20.01	1.50	265.00	
PERIOD		0.00166	ug/m^3	R40	565509.03	4226631.82	21.00	1.50	265.00	
PERIOD		0.00164	ug/m^3	R41	565509.03	4226617.38	21.00	1.50	265.00	
PERIOD		0.00400	ug/m^3	R42	565314.45	4227270.70	20.00	1.50	251.00	
PERIOD		0.00380	ug/m^3	R43	565291.64	4227217.62	19.00	1.50	251.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 2\54600001 Giovannoni Logistics_Scenario 2.isc

AERMOD View by Lakes Environmental Software

RS - 2 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00375	ug/m^3	R44	565309.08	4227218.00	19.00	1.50	251.00	
PERIOD		0.00347	ug/m^3	R45	565384.70	4227209.41	20.00	1.50	265.00	
PERIOD		0.00324	ug/m^3	R46	565449.84	4227190.61	20.00	1.50	265.00	
PERIOD		0.00318	ug/m^3	R47	565496.35	4227202.46	20.28	1.50	265.00	
PERIOD		0.00348	ug/m^3	R48	565481.62	4227270.05	21.00	1.50	265.00	
PERIOD		0.00339	ug/m^3	R49	565516.57	4227270.92	21.00	1.50	265.00	
PERIOD		0.00275	ug/m^3	R50	565553.69	4227134.21	22.00	1.50	265.00	
PERIOD		0.00290	ug/m^3	R51	565613.85	4227214.51	22.01	1.50	265.00	
PERIOD		0.00315	ug/m^3	R52	565588.48	4227278.18	22.85	1.50	265.00	
PERIOD		0.00302	ug/m^3	R53	565625.01	4227289.45	24.49	1.50	265.00	
PERIOD		0.00250	ug/m^3	R54	565729.83	4227269.14	29.12	1.50	265.00	
PERIOD		0.00206	ug/m^3	R55	565890.63	4227286.35	34.23	1.50	265.00	
PERIOD		0.00658	ug/m^3	R56	565430.90	4227667.38	23.64	1.50	251.00	
PERIOD		0.01032	ug/m^3	R57	565017.44	4228947.47	20.67	1.50	20.67	
PERIOD		0.00221	ug/m^3	R59	566081.49	4228935.03	70.63	1.50	70.63	
PERIOD		0.00500	ug/m^3	NJMES1	564793.53	4226912.96	21.04	1.50	80.00	
PERIOD		0.00404	ug/m^3	NJMES2	564970.33	4226914.23	16.00	1.50	251.00	
PERIOD		0.00286	ug/m^3	NJMES3	565009.97	4226624.20	18.00	1.50	251.00	
PERIOD		0.00302	ug/m^3	NJMES4	564973.04	4226624.09	18.00	1.50	250.00	
PERIOD		0.00299	ug/m^3	NJMES5	564972.69	4226614.91	18.00	1.50	80.00	
PERIOD		0.00317	ug/m^3	NJMES6	564928.06	4226614.73	18.85	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 2\54600001 Giovannoni Logistics_Scenario 2.isc

AERMOD View by Lakes Environmental Software

RS - 3 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00315	ug/m^3	NJMES7	564928.06	4226608.07	18.85	1.50	80.00	
PERIOD		0.00326	ug/m^3	NJMES8	564884.55	4226608.07	21.49	1.50	80.00	
PERIOD		0.00346	ug/m^3	NJMES9	564848.83	4226641.41	22.74	1.50	80.00	
PERIOD		0.00498	ug/m^3	NJMES10	564798.44	4226913.00	20.81	1.50	80.00	
PERIOD		0.00496	ug/m^3	NJMES11	564803.35	4226913.03	20.57	1.50	80.00	
PERIOD		0.00495	ug/m^3	NJMES12	564808.26	4226913.07	20.32	1.50	80.00	
PERIOD		0.00493	ug/m^3	NJMES13	564813.17	4226913.10	20.07	1.50	80.00	
PERIOD		0.00491	ug/m^3	NJMES14	564818.09	4226913.14	19.81	1.50	80.00	
PERIOD		0.00489	ug/m^3	NJMES15	564823.00	4226913.17	19.56	1.50	80.00	
PERIOD		0.00487	ug/m^3	NJMES16	564827.91	4226913.21	19.30	1.50	80.00	
PERIOD		0.00485	ug/m^3	NJMES17	564832.82	4226913.24	19.04	1.50	80.00	
PERIOD		0.00482	ug/m^3	NJMES18	564837.73	4226913.28	18.86	1.50	80.00	
PERIOD		0.00480	ug/m^3	NJMES19	564842.64	4226913.31	18.70	1.50	80.00	
PERIOD		0.00477	ug/m^3	NJMES20	564847.55	4226913.35	18.54	1.50	80.00	
PERIOD		0.00475	ug/m^3	NJMES21	564852.46	4226913.38	18.37	1.50	80.00	
PERIOD		0.00472	ug/m^3	NJMES22	564857.37	4226913.42	18.21	1.50	80.00	
PERIOD		0.00469	ug/m^3	NJMES23	564862.29	4226913.45	18.05	1.50	80.00	
PERIOD		0.00467	ug/m^3	NJMES24	564867.20	4226913.49	17.88	1.50	80.00	
PERIOD		0.00464	ug/m^3	NJMES25	564872.11	4226913.52	17.72	1.50	80.00	
PERIOD		0.00461	ug/m^3	NJMES26	564877.02	4226913.56	17.56	1.50	80.00	
PERIOD		0.00456	ug/m^3	NJMES28	564886.84	4226913.63	17.23	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 2\54600001 Giovannoni Logistics_Scenario 2.isc

AERMOD View by Lakes Environmental Software

RS - 4 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00453	ug/m^3	NJMES29	564891.75	4226913.67	17.06	1.50	80.00	
PERIOD		0.00450	ug/m^3	NJMES30	564896.66	4226913.70	16.90	1.50	80.00	
PERIOD		0.00447	ug/m^3	NJMES31	564901.57	4226913.74	16.74	1.50	80.00	
PERIOD		0.00444	ug/m^3	NJMES32	564906.49	4226913.77	16.57	1.50	80.00	
PERIOD		0.00442	ug/m^3	NJMES33	564911.40	4226913.81	16.41	1.50	80.00	
PERIOD		0.00439	ug/m^3	NJMES34	564916.31	4226913.84	16.25	1.50	80.00	
PERIOD		0.00436	ug/m^3	NJMES35	564921.22	4226913.88	16.08	1.50	80.00	
PERIOD		0.00433	ug/m^3	NJMES36	564926.13	4226913.91	16.00	1.50	250.00	
PERIOD		0.00429	ug/m^3	NJMES37	564931.04	4226913.95	16.00	1.50	250.00	
PERIOD		0.00426	ug/m^3	NJMES38	564935.95	4226913.98	16.00	1.50	250.00	
PERIOD		0.00423	ug/m^3	NJMES39	564940.86	4226914.02	16.00	1.50	250.00	
PERIOD		0.00419	ug/m^3	NJMES40	564945.77	4226914.05	16.00	1.50	251.00	
PERIOD		0.00416	ug/m^3	NJMES41	564950.69	4226914.09	16.00	1.50	251.00	
PERIOD		0.00413	ug/m^3	NJMES42	564955.60	4226914.12	16.00	1.50	251.00	
PERIOD		0.00410	ug/m^3	NJMES43	564960.51	4226914.16	16.00	1.50	251.00	
PERIOD		0.00407	ug/m^3	NJMES44	564965.42	4226914.20	16.00	1.50	251.00	
PERIOD		0.00401	ug/m^3	NJMES45	564971.00	4226909.31	16.00	1.50	251.00	
PERIOD		0.00399	ug/m^3	NJMES46	564971.67	4226904.40	16.00	1.50	251.00	
PERIOD		0.00396	ug/m^3	NJMES47	564972.35	4226899.48	16.00	1.50	251.00	
PERIOD		0.00393	ug/m^3	NJMES48	564973.02	4226894.57	16.00	1.50	251.00	
PERIOD		0.00391	ug/m^3	NJMES49	564973.69	4226889.65	16.00	1.50	251.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 2\54600001 Giovannoni Logistics_Scenario 2.isc

AERMOD View by Lakes Environmental Software

RS - 5 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00388	ug/m^3	NJMES50	564974.36	4226884.74	16.00	1.50	251.00	
PERIOD		0.00386	ug/m^3	NJMES51	564975.03	4226879.82	16.00	1.50	251.00	
PERIOD		0.00384	ug/m^3	NJMES52	564975.70	4226874.90	16.00	1.50	251.00	
PERIOD		0.00381	ug/m^3	NJMES53	564976.38	4226869.99	16.00	1.50	251.00	
PERIOD		0.00379	ug/m^3	NJMES54	564977.05	4226865.07	16.00	1.50	251.00	
PERIOD		0.00377	ug/m^3	NJMES55	564977.72	4226860.16	16.00	1.50	251.00	
PERIOD		0.00374	ug/m^3	NJMES56	564978.39	4226855.24	16.00	1.50	251.00	
PERIOD		0.00372	ug/m^3	NJMES57	564979.06	4226850.33	16.00	1.50	251.00	
PERIOD		0.00370	ug/m^3	NJMES58	564979.74	4226845.41	16.00	1.50	251.00	
PERIOD		0.00368	ug/m^3	NJMES59	564980.41	4226840.49	16.00	1.50	251.00	
PERIOD		0.00365	ug/m^3	NJMES60	564981.08	4226835.58	16.00	1.50	251.00	
PERIOD		0.00363	ug/m^3	NJMES61	564981.75	4226830.66	16.01	1.50	251.00	
PERIOD		0.00361	ug/m^3	NJMES62	564982.42	4226825.75	16.01	1.50	251.00	
PERIOD		0.00359	ug/m^3	NJMES63	564983.10	4226820.83	16.01	1.50	251.00	
PERIOD		0.00357	ug/m^3	NJMES64	564983.77	4226815.92	16.00	1.50	251.00	
PERIOD		0.00355	ug/m^3	NJMES65	564984.44	4226811.00	16.00	1.50	251.00	
PERIOD		0.00353	ug/m^3	NJMES66	564985.11	4226806.08	16.01	1.50	251.00	
PERIOD		0.00350	ug/m^3	NJMES67	564985.78	4226801.17	16.17	1.50	251.00	
PERIOD		0.00348	ug/m^3	NJMES68	564986.45	4226796.25	16.33	1.50	251.00	
PERIOD		0.00345	ug/m^3	NJMES69	564987.13	4226791.34	16.50	1.50	251.00	
PERIOD		0.00343	ug/m^3	NJMES70	564987.80	4226786.42	16.66	1.50	251.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 2\54600001 Giovannoni Logistics_Scenario 2.isc

AERMOD View by Lakes Environmental Software

RS - 6 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00341	ug/m^3	NJMES71	564988.47	4226781.50	16.83	1.50	251.00	
PERIOD		0.00338	ug/m^3	NJMES72	564989.14	4226776.59	16.99	1.50	251.00	
PERIOD		0.00337	ug/m^3	NJMES73	564989.81	4226771.67	17.00	1.50	251.00	
PERIOD		0.00335	ug/m^3	NJMES74	564990.49	4226766.76	17.00	1.50	251.00	
PERIOD		0.00333	ug/m^3	NJMES75	564991.16	4226761.84	17.00	1.50	251.00	
PERIOD		0.00331	ug/m^3	NJMES76	564991.83	4226756.93	17.00	1.50	251.00	
PERIOD		0.00329	ug/m^3	NJMES77	564992.50	4226752.01	17.00	1.50	251.00	
PERIOD		0.00327	ug/m^3	NJMES78	564993.17	4226747.09	17.00	1.50	251.00	
PERIOD		0.00326	ug/m^3	NJMES79	564993.85	4226742.18	17.00	1.50	251.00	
PERIOD		0.00324	ug/m^3	NJMES80	564994.52	4226737.26	17.00	1.50	251.00	
PERIOD		0.00322	ug/m^3	NJMES81	564995.19	4226732.35	17.00	1.50	251.00	
PERIOD		0.00321	ug/m^3	NJMES82	564995.86	4226727.43	17.00	1.50	251.00	
PERIOD		0.00319	ug/m^3	NJMES83	564996.53	4226722.51	17.00	1.50	251.00	
PERIOD		0.00317	ug/m^3	NJMES84	564997.20	4226717.60	17.00	1.50	251.00	
PERIOD		0.00315	ug/m^3	NJMES85	564997.88	4226712.68	17.12	1.50	251.00	
PERIOD		0.00313	ug/m^3	NJMES86	564998.55	4226707.77	17.28	1.50	251.00	
PERIOD		0.00311	ug/m^3	NJMES87	564999.22	4226702.85	17.45	1.50	251.00	
PERIOD		0.00309	ug/m^3	NJMES88	564999.89	4226697.94	17.61	1.50	251.00	
PERIOD		0.00307	ug/m^3	NJMES89	565000.56	4226693.02	17.77	1.50	251.00	
PERIOD		0.00305	ug/m^3	NJMES90	565001.24	4226688.11	17.94	1.50	251.00	
PERIOD		0.00304	ug/m^3	NJMES91	565001.91	4226683.19	18.00	1.50	251.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 2\54600001 Giovannoni Logistics_Scenario 2.isc

AERMOD View by Lakes Environmental Software

RS - 7 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00302	ug/m^3	NJMES92	565002.58	4226678.27	18.00	1.50	251.00	
PERIOD		0.00301	ug/m^3	NJMES93	565003.25	4226673.36	18.00	1.50	251.00	
PERIOD		0.00299	ug/m^3	NJMES94	565003.92	4226668.44	18.00	1.50	251.00	
PERIOD		0.00298	ug/m^3	NJMES95	565004.60	4226663.53	18.00	1.50	251.00	
PERIOD		0.00296	ug/m^3	NJMES96	565005.27	4226658.61	18.00	1.50	251.00	
PERIOD		0.00295	ug/m^3	NJMES97	565005.94	4226653.70	18.00	1.50	251.00	
PERIOD		0.00293	ug/m^3	NJMES98	565006.61	4226648.78	18.00	1.50	251.00	
PERIOD		0.00292	ug/m^3	NJMES99	565007.28	4226643.86	18.00	1.50	251.00	
PERIOD		0.00290	ug/m^3	NJMES100	565007.95	4226638.95	18.00	1.50	251.00	
PERIOD		0.00289	ug/m^3	NJMES101	565008.63	4226634.03	18.00	1.50	251.00	
PERIOD		0.00288	ug/m^3	NJMES102	565009.30	4226629.12	18.00	1.50	251.00	
PERIOD		0.00288	ug/m^3	NJMES103	565005.35	4226624.19	18.00	1.50	251.00	
PERIOD		0.00290	ug/m^3	NJMES104	565000.74	4226624.17	18.00	1.50	251.00	
PERIOD		0.00292	ug/m^3	NJMES105	564996.12	4226624.16	18.00	1.50	251.00	
PERIOD		0.00294	ug/m^3	NJMES106	564991.51	4226624.14	18.00	1.50	250.00	
PERIOD		0.00296	ug/m^3	NJMES107	564986.89	4226624.13	18.00	1.50	250.00	
PERIOD		0.00298	ug/m^3	NJMES108	564982.27	4226624.12	18.00	1.50	250.00	
PERIOD		0.00300	ug/m^3	NJMES109	564977.66	4226624.10	18.00	1.50	250.00	
PERIOD		0.00302	ug/m^3	NJMES111	564967.73	4226614.89	18.00	1.50	80.00	
PERIOD		0.00304	ug/m^3	NJMES112	564962.77	4226614.87	18.00	1.50	80.00	
PERIOD		0.00306	ug/m^3	NJMES113	564957.81	4226614.85	18.00	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 2\54600001 Giovannoni Logistics_Scenario 2.isc

AERMOD View by Lakes Environmental Software

RS - 8 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00308	ug/m^3	NJMES114	564952.85	4226614.83	18.03	1.50	80.00	
PERIOD		0.00310	ug/m^3	NJMES115	564947.90	4226614.81	18.19	1.50	80.00	
PERIOD		0.00312	ug/m^3	NJMES116	564942.94	4226614.79	18.36	1.50	80.00	
PERIOD		0.00313	ug/m^3	NJMES117	564937.98	4226614.77	18.52	1.50	80.00	
PERIOD		0.00315	ug/m^3	NJMES118	564933.02	4226614.75	18.69	1.50	80.00	
PERIOD		0.00316	ug/m^3	NJMES119	564928.06	4226611.40	18.85	1.50	80.00	
PERIOD		0.00317	ug/m^3	NJMES120	564923.23	4226608.07	19.03	1.50	80.00	
PERIOD		0.00318	ug/m^3	NJMES121	564918.39	4226608.07	19.35	1.50	80.00	
PERIOD		0.00320	ug/m^3	NJMES122	564913.56	4226608.07	19.67	1.50	80.00	
PERIOD		0.00321	ug/m^3	NJMES123	564908.72	4226608.07	20.00	1.50	80.00	
PERIOD		0.00322	ug/m^3	NJMES124	564903.89	4226608.07	20.32	1.50	80.00	
PERIOD		0.00323	ug/m^3	NJMES125	564899.05	4226608.07	20.64	1.50	80.00	
PERIOD		0.00324	ug/m^3	NJMES126	564894.22	4226608.07	20.96	1.50	80.00	
PERIOD		0.00325	ug/m^3	NJMES127	564889.38	4226608.07	21.23	1.50	80.00	
PERIOD		0.00328	ug/m^3	NJMES128	564880.98	4226611.40	21.63	1.50	80.00	
PERIOD		0.00330	ug/m^3	NJMES129	564877.41	4226614.74	21.75	1.50	80.00	
PERIOD		0.00332	ug/m^3	NJMES130	564873.83	4226618.07	21.84	1.50	80.00	
PERIOD		0.00334	ug/m^3	NJMES131	564870.26	4226621.41	21.91	1.50	80.00	
PERIOD		0.00337	ug/m^3	NJMES132	564866.69	4226624.74	21.95	1.50	80.00	
PERIOD		0.00339	ug/m^3	NJMES133	564863.12	4226628.07	22.04	1.50	80.00	
PERIOD		0.00341	ug/m^3	NJMES134	564859.55	4226631.41	22.25	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 2\54600001 Giovannoni Logistics_Scenario 2.isc

AERMOD View by Lakes Environmental Software

RS - 9 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00342	ug/m^3	NJMES135	564855.97	4226634.74	22.44	1.50	80.00	
PERIOD		0.00344	ug/m^3	NJMES136	564852.40	4226638.08	22.60	1.50	80.00	
PERIOD		0.00348	ug/m^3	NJMES137	564847.84	4226646.26	22.70	1.50	80.00	
PERIOD		0.00352	ug/m^3	NJMES139	564845.87	4226655.96	22.60	1.50	80.00	
PERIOD		0.00354	ug/m^3	NJMES140	564844.88	4226660.81	22.63	1.50	80.00	
PERIOD		0.00356	ug/m^3	NJMES141	564843.89	4226665.66	22.66	1.50	80.00	
PERIOD		0.00360	ug/m^3	NJMES143	564841.92	4226675.35	22.73	1.50	80.00	
PERIOD		0.00361	ug/m^3	NJMES144	564840.93	4226680.20	22.76	1.50	80.00	
PERIOD		0.00363	ug/m^3	NJMES145	564839.94	4226685.05	22.79	1.50	80.00	
PERIOD		0.00365	ug/m^3	NJMES146	564838.95	4226689.90	22.82	1.50	80.00	
PERIOD		0.00367	ug/m^3	NJMES147	564837.97	4226694.75	22.86	1.50	80.00	
PERIOD		0.00369	ug/m^3	NJMES148	564836.98	4226699.60	22.89	1.50	80.00	
PERIOD		0.00371	ug/m^3	NJMES149	564835.99	4226704.45	22.92	1.50	80.00	
PERIOD		0.00373	ug/m^3	NJMES150	564835.01	4226709.30	22.96	1.50	80.00	
PERIOD		0.00375	ug/m^3	NJMES151	564834.02	4226714.15	22.99	1.50	80.00	
PERIOD		0.00377	ug/m^3	NJMES152	564833.03	4226719.00	23.02	1.50	80.00	
PERIOD		0.00381	ug/m^3	NJMES154	564831.06	4226728.69	23.09	1.50	80.00	
PERIOD		0.00383	ug/m^3	NJMES155	564830.07	4226733.54	23.12	1.50	80.00	
PERIOD		0.00385	ug/m^3	NJMES156	564829.08	4226738.39	23.15	1.50	80.00	
PERIOD		0.00387	ug/m^3	NJMES157	564828.09	4226743.24	23.19	1.50	80.00	
PERIOD		0.00394	ug/m^3	NJMES159	564826.12	4226752.94	22.86	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 2\54600001 Giovannoni Logistics_Scenario 2.isc

AERMOD View by Lakes Environmental Software

RS - 10 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00397	ug/m^3	NJMES160	564825.13	4226757.79	22.63	1.50	80.00	
PERIOD		0.00401	ug/m^3	NJMES161	564824.14	4226762.64	22.40	1.50	80.00	
PERIOD		0.00405	ug/m^3	NJMES162	564823.16	4226767.49	22.18	1.50	80.00	
PERIOD		0.00408	ug/m^3	NJMES163	564822.17	4226772.34	21.98	1.50	80.00	
PERIOD		0.00411	ug/m^3	NJMES164	564821.18	4226777.18	21.82	1.50	80.00	
PERIOD		0.00414	ug/m^3	NJMES165	564820.19	4226782.03	21.81	1.50	80.00	
PERIOD		0.00417	ug/m^3	NJMES166	564819.20	4226786.88	21.79	1.50	80.00	
PERIOD		0.00420	ug/m^3	NJMES167	564818.22	4226791.73	21.76	1.50	80.00	
PERIOD		0.00422	ug/m^3	NJMES168	564817.23	4226796.58	21.72	1.50	80.00	
PERIOD		0.00425	ug/m^3	NJMES169	564816.24	4226801.43	21.67	1.50	80.00	
PERIOD		0.00428	ug/m^3	NJMES170	564815.26	4226806.28	21.61	1.50	80.00	
PERIOD		0.00431	ug/m^3	NJMES171	564814.27	4226811.13	21.59	1.50	80.00	
PERIOD		0.00434	ug/m^3	NJMES172	564813.28	4226815.98	21.58	1.50	80.00	
PERIOD		0.00437	ug/m^3	NJMES173	564812.29	4226820.83	21.57	1.50	80.00	
PERIOD		0.00440	ug/m^3	NJMES174	564811.31	4226825.68	21.58	1.50	80.00	
PERIOD		0.00442	ug/m^3	NJMES175	564810.32	4226830.53	21.60	1.50	80.00	
PERIOD		0.00445	ug/m^3	NJMES176	564809.33	4226835.37	21.63	1.50	80.00	
PERIOD		0.00448	ug/m^3	NJMES177	564808.34	4226840.22	21.58	1.50	80.00	
PERIOD		0.00455	ug/m^3	NJMES179	564806.37	4226849.92	21.41	1.50	80.00	
PERIOD		0.00459	ug/m^3	NJMES180	564805.38	4226854.77	21.30	1.50	80.00	
PERIOD		0.00463	ug/m^3	NJMES181	564804.39	4226859.62	21.19	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 2\54600001 Giovannoni Logistics_Scenario 2.isc

AERMOD View by Lakes Environmental Software

RS - 11 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00467	ug/m^3	NJMES182	564803.41	4226864.47	21.08	1.50	80.00	
PERIOD		0.00470	ug/m^3	NJMES183	564802.42	4226869.32	20.98	1.50	80.00	
PERIOD		0.00474	ug/m^3	NJMES184	564801.43	4226874.17	20.89	1.50	80.00	
PERIOD		0.00478	ug/m^3	NJMES185	564800.44	4226879.02	20.79	1.50	80.00	
PERIOD		0.00482	ug/m^3	NJMES186	564799.45	4226883.87	20.69	1.50	80.00	
PERIOD		0.00486	ug/m^3	NJMES187	564798.47	4226888.71	20.60	1.50	80.00	
PERIOD		0.00490	ug/m^3	NJMES188	564797.48	4226893.56	20.50	1.50	80.00	
PERIOD		0.00493	ug/m^3	NJMES189	564796.49	4226898.41	20.53	1.50	80.00	
PERIOD		0.00496	ug/m^3	NJMES190	564795.51	4226903.26	20.71	1.50	80.00	
PERIOD		0.00498	ug/m^3	NJMES191	564794.52	4226908.11	20.88	1.50	80.00	
PERIOD		0.00268	ug/m^3	CBCA1	565006.95	4226529.57	18.00	1.50	250.00	
PERIOD		0.00258	ug/m^3	CBCA2	565012.12	4226486.09	18.00	1.50	250.00	
PERIOD		0.00287	ug/m^3	CBCA3	564904.50	4226487.58	22.14	1.50	80.00	
PERIOD		0.00299	ug/m^3	CBCA4	564903.47	4226530.72	21.47	1.50	80.00	
PERIOD		0.00267	ug/m^3	CBCA5	565007.52	4226524.74	18.00	1.50	250.00	
PERIOD		0.00265	ug/m^3	CBCA6	565008.10	4226519.91	18.00	1.50	250.00	
PERIOD		0.00264	ug/m^3	CBCA7	565008.67	4226515.08	18.00	1.50	250.00	
PERIOD		0.00263	ug/m^3	CBCA8	565009.25	4226510.25	18.00	1.50	250.00	
PERIOD		0.00262	ug/m^3	CBCA9	565009.82	4226505.41	18.00	1.50	250.00	
PERIOD		0.00261	ug/m^3	CBCA10	565010.40	4226500.58	18.00	1.50	250.00	
PERIOD		0.00260	ug/m^3	CBCA11	565010.97	4226495.75	18.00	1.50	250.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 2\54600001 Giovannoni Logistics_Scenario 2.isc

AERMOD View by Lakes Environmental Software

RS - 12 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00259	ug/m^3	CBCA12	565011.55	4226490.92	18.00	1.50	250.00	
PERIOD		0.00259	ug/m^3	CBCA13	565007.23	4226486.16	18.00	1.50	250.00	
PERIOD		0.00261	ug/m^3	CBCA14	565002.34	4226486.22	18.00	1.50	250.00	
PERIOD		0.00263	ug/m^3	CBCA15	564997.44	4226486.29	18.00	1.50	80.00	
PERIOD		0.00264	ug/m^3	CBCA16	564992.55	4226486.36	18.00	1.50	80.00	
PERIOD		0.00266	ug/m^3	CBCA17	564987.66	4226486.43	18.00	1.50	80.00	
PERIOD		0.00268	ug/m^3	CBCA18	564982.77	4226486.50	18.02	1.50	80.00	
PERIOD		0.00269	ug/m^3	CBCA19	564977.88	4226486.56	18.13	1.50	80.00	
PERIOD		0.00271	ug/m^3	CBCA20	564972.99	4226486.63	18.23	1.50	80.00	
PERIOD		0.00272	ug/m^3	CBCA21	564968.09	4226486.70	18.34	1.50	80.00	
PERIOD		0.00274	ug/m^3	CBCA22	564963.20	4226486.77	18.44	1.50	80.00	
PERIOD		0.00277	ug/m^3	CBCA24	564953.42	4226486.90	18.66	1.50	80.00	
PERIOD		0.00278	ug/m^3	CBCA25	564948.53	4226486.97	18.99	1.50	80.00	
PERIOD		0.00279	ug/m^3	CBCA26	564943.63	4226487.04	19.31	1.50	80.00	
PERIOD		0.00281	ug/m^3	CBCA27	564938.74	4226487.11	19.63	1.50	80.00	
PERIOD		0.00282	ug/m^3	CBCA28	564933.85	4226487.17	19.96	1.50	80.00	
PERIOD		0.00283	ug/m^3	CBCA29	564928.96	4226487.24	20.28	1.50	80.00	
PERIOD		0.00284	ug/m^3	CBCA30	564924.07	4226487.31	20.61	1.50	80.00	
PERIOD		0.00285	ug/m^3	CBCA31	564919.18	4226487.38	20.98	1.50	80.00	
PERIOD		0.00285	ug/m^3	CBCA32	564914.28	4226487.45	21.37	1.50	80.00	
PERIOD		0.00286	ug/m^3	CBCA33	564909.39	4226487.51	21.76	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 2\54600001 Giovannoni Logistics_Scenario 2.isc

AERMOD View by Lakes Environmental Software

RS - 13 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00288	ug/m^3	CBCA34	564904.39	4226492.37	22.09	1.50	80.00	
PERIOD		0.00289	ug/m^3	CBCA35	564904.27	4226497.17	22.05	1.50	80.00	
PERIOD		0.00290	ug/m^3	CBCA36	564904.16	4226501.96	22.00	1.50	80.00	
PERIOD		0.00292	ug/m^3	CBCA37	564904.04	4226506.75	21.95	1.50	80.00	
PERIOD		0.00293	ug/m^3	CBCA38	564903.93	4226511.55	21.86	1.50	80.00	
PERIOD		0.00295	ug/m^3	CBCA39	564903.81	4226516.34	21.76	1.50	80.00	
PERIOD		0.00296	ug/m^3	CBCA40	564903.70	4226521.13	21.67	1.50	80.00	
PERIOD		0.00297	ug/m^3	CBCA41	564903.58	4226525.93	21.57	1.50	80.00	
PERIOD		0.00298	ug/m^3	CBCA42	564908.40	4226530.67	21.11	1.50	80.00	
PERIOD		0.00297	ug/m^3	CBCA43	564913.33	4226530.61	20.75	1.50	80.00	
PERIOD		0.00296	ug/m^3	CBCA44	564918.25	4226530.56	20.40	1.50	80.00	
PERIOD		0.00295	ug/m^3	CBCA45	564923.18	4226530.50	20.04	1.50	80.00	
PERIOD		0.00294	ug/m^3	CBCA46	564928.11	4226530.45	19.70	1.50	80.00	
PERIOD		0.00293	ug/m^3	CBCA47	564933.04	4226530.39	19.38	1.50	80.00	
PERIOD		0.00292	ug/m^3	CBCA48	564937.96	4226530.34	19.05	1.50	80.00	
PERIOD		0.00291	ug/m^3	CBCA49	564942.89	4226530.28	18.72	1.50	80.00	
PERIOD		0.00289	ug/m^3	CBCA50	564947.82	4226530.23	18.39	1.50	80.00	
PERIOD		0.00288	ug/m^3	CBCA51	564952.75	4226530.17	18.06	1.50	80.00	
PERIOD		0.00286	ug/m^3	CBCA52	564957.67	4226530.12	18.00	1.50	80.00	
PERIOD		0.00284	ug/m^3	CBCA53	564962.60	4226530.06	18.00	1.50	80.00	
PERIOD		0.00282	ug/m^3	CBCA54	564967.53	4226530.01	18.00	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 2\54600001 Giovannoni Logistics_Scenario 2.isc

AERMOD View by Lakes Environmental Software

RS - 14 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

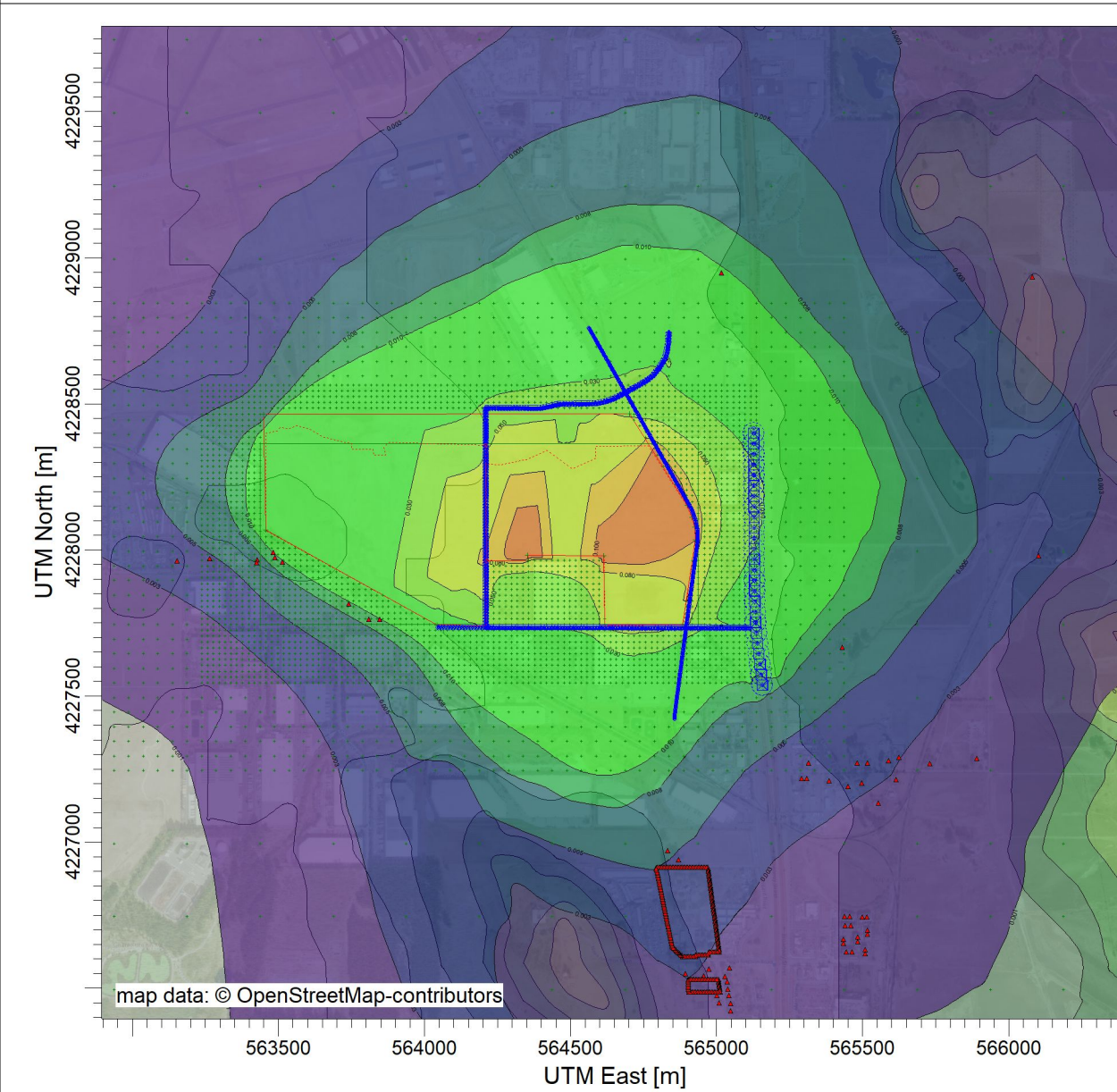
PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00280	ug/m^3	CBCA55	564972.46	4226529.95	18.00	1.50	80.00	
PERIOD		0.00279	ug/m^3	CBCA56	564977.38	4226529.90	18.00	1.50	80.00	
PERIOD		0.00277	ug/m^3	CBCA57	564982.31	4226529.84	18.00	1.50	80.00	
PERIOD		0.00275	ug/m^3	CBCA58	564987.24	4226529.79	18.00	1.50	80.00	
PERIOD		0.00273	ug/m^3	CBCA59	564992.17	4226529.73	18.00	1.50	250.00	
PERIOD		0.00271	ug/m^3	CBCA60	564997.09	4226529.68	18.00	1.50	250.00	
PERIOD		0.00269	ug/m^3	CBCA61	565002.02	4226529.63	18.00	1.50	250.00	

PROJECT TITLE:

C:\Lakes\AERMOD View\54600001 Giovanni Logistics_Scenario 1\546000

COMMENTS:



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL

SOURCES:

9

RECEPTORS:

4827

OUTPUT TYPE:

Concentration

MAX:

0.129 ug/m³

COMPANY NAME:

MODELER:

DATE:

9/24/2021

SCALE:

1:23,138

PROJECT NO.:

Control Pathway

AERMOD

Dispersion Options

Titles C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000	
Dispersion Options <input type="checkbox"/> Regulatory Default <input checked="" type="checkbox"/> Non-Default Options	Dispersion Coefficient Urban Population: Name (Optional): Roughness Length:
<input checked="" type="checkbox"/> Elevated Terrain <input type="checkbox"/> No Stack-Tip Downwash (NOSTD) <input type="checkbox"/> Run in Screening Mode <input type="checkbox"/> Conversion of NOx to NO2 (OLM or PVMRM) <input type="checkbox"/> No Checks for Non-Sequential Met Data <input checked="" type="checkbox"/> Fast All Sources (FASTALL) <input type="checkbox"/> Fast Area Sources (FASTAREA) <input type="checkbox"/> Optimized Area Source Plume Depletion <input type="checkbox"/> Gas Deposition	Output Type <input checked="" type="checkbox"/> Concentration <input type="checkbox"/> Total Deposition (Dry & Wet) <input type="checkbox"/> Dry Deposition <input type="checkbox"/> Wet Deposition
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> BETA Options: <input type="checkbox"/> Capped and Horizontal Stack Releases <input type="checkbox"/> Adjusted Friction Velocity (u*) in AERMET (ADJ_U*) <input type="checkbox"/> Low Wind Options </div> <input type="checkbox"/> SCIM (Sampled Chronological Input Model) <input type="checkbox"/> Ignore Urban Night / Daytime Transition (NOURBTRAN)	Plume Depletion <input type="checkbox"/> Dry Removal <input type="checkbox"/> Wet Removal
	Output Warnings <input type="checkbox"/> No Output Warnings <input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type PM2.5	Exponential Decay <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Averaging Time Options Hours <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 24 <input type="checkbox"/> Month <input checked="" type="checkbox"/> Period <input type="checkbox"/> Annual	Terrain Height Options <input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated SO: Meters RE: Meters TG: Meters
Flagpole Receptors <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Default Height = 1.50 m	

Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

Detailed Error Listing File

Filename: 54600001 Giovannoni Logistics_Scenario 3.err

Source Pathway - Source Inputs

AERMOD

Source Pathway - Source Inputs

AERMOD

Polygon Area Sources

Source Type: AREA POLY

Source: PHS1 (On-Site Phase 1)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
11.00	2.40	1.60E-8		18	564212.56	4227961.55
		1.60E-8			564355.03	4227962.60
		1.60E-8			564353.97	4227981.62
		1.60E-8			564614.97	4227980.57
		1.60E-8			564617.26	4227741.88
		1.60E-8			564885.02	4227742.53
		1.60E-8			564926.24	4228037.45
		1.60E-8			564925.04	4228076.51
		1.60E-8			564915.88	4228111.98
		1.60E-8			564900.33	4228149.05
		1.60E-8			564766.46	4228356.75
		1.60E-8			564586.25	4228355.22
		1.60E-8			564586.25	4228313.99
		1.60E-8			564505.31	4228278.87
		1.60E-8			564418.27	4228339.95
		1.60E-8			564348.02	4228309.41
		1.60E-8			564262.82	4228292.10
		1.60E-8			564209.96	4228293.89

Source Pathway - Source Inputs

AERMOD

Source Type: AREA POLY

Source: PHS2 (On-site Phase 2)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m ²)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
10.00	2.40	1.46E-8		21	564209.57	4228359.29
		1.46E-8			564210.78	4227740.61
		1.46E-8			564042.18	4227742.44
		1.46E-8			563456.84	4228067.27
		1.46E-8			563456.20	4228399.72
		1.46E-8			563495.17	4228407.66
		1.46E-8			563507.65	4228422.04
		1.46E-8			563534.14	4228414.09
		1.46E-8			563562.51	4228425.06
		1.46E-8			563607.91	4228413.71
		1.46E-8			563651.79	4228388.37
		1.46E-8			563710.44	4228372.45
		1.46E-8			563750.57	4228364.42
		1.46E-8			563751.55	4228343.76
		1.46E-8			563823.63	4228344.99
		1.46E-8			563825.79	4228325.52
		1.46E-8			563866.79	4228324.62
		1.46E-8			563866.00	4228328.89
		1.46E-8			563865.19	4228337.16
		1.46E-8			563860.59	4228349.92
		1.46E-8			563875.99	4228369.02

Source Pathway - Source Inputs

AERMOD

Line Volume Sources

Source Type: LINE VOLUME

Source: DEV.PH1 (Devlin - Operation)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
10.00	0.00012		564837.18	4228744.04	15.07	2.55
			564834.90	4228711.18	15.08	2.55
			564831.66	4228686.92	14.97	2.55
			564828.13	4228667.09	14.82	2.55
			564818.89	4228646.59	14.00	2.55
			564806.96	4228627.43	14.00	2.55
			564803.34	4228621.61	14.00	2.55
			564785.60	4228599.24	13.21	2.55
			564771.13	4228587.62	13.00	2.55
			564755.00	4228575.86	13.00	2.55
			564731.14	4228561.57	13.00	2.55
			564662.04	4228524.22	12.19	2.55
			564638.89	4228513.36	12.04	2.55
			564606.61	4228504.08	12.00	2.55
			564580.75	4228500.22	12.00	2.55
			564462.16	4228498.66	11.61	2.55
			564399.11	4228484.70	11.00	2.55
			564209.86	4228485.01	10.00	2.55
			564210.68	4227739.72	10.11	2.55

Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: DEV.PH2 (Devlin Road Off-Site Phase 2 Op)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
10.00	0.00014		564210.89	4227739.18	10.11	2.55
			564209.77	4228485.17	10.00	2.55
			564399.41	4228484.52	11.00	2.55
			564463.05	4228498.80	11.64	2.55
			564538.38	4228499.45	12.00	2.55
			564579.95	4228500.10	12.00	2.55
			564606.57	4228504.00	12.00	2.55
			564638.40	4228513.09	12.04	2.55
			564659.83	4228522.83	12.10	2.55
			564731.91	4228561.80	13.00	2.55
			564766.63	4228583.16	13.00	2.55
			564784.29	4228597.51	13.17	2.55
			564803.06	4228621.25	14.00	2.55
			564819.62	4228648.30	14.00	2.55
			564827.90	4228666.60	14.82	2.55
			564832.29	4228690.53	14.99	2.55
			564834.68	4228709.28	14.98	2.55
			564837.74	4228744.21	15.07	2.55
			564836.98	4228744.21	15.07	2.55

Source Type: LINE VOLUME

Source: GREEN.PH1 (Green Island Rd - Operation)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
10.00	0.00007		564209.52	4227734.18	10.01	2.55
			565109.19	4227732.73	18.99	2.55

Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: GREEN.PH2 (Green Island Road Off-site Ph 2 Op)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
10.00	0.00010		564044.35	4227734.42	9.74	2.55
			565109.93	4227732.71	18.99	2.55

Source Type: LINE VOLUME

Source: HWY29.PH1 (Highway 29 - Operation)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
36.00	0.00006		565127.07	4228417.80	16.10	3.40
			565128.48	4227999.25	18.00	3.40
			565133.01	4227743.08	19.07	3.40
			565159.16	4227514.07	19.06	3.40

Source Type: LINE VOLUME

Source: HWY29.PH2 (Highway 29 Off-site Ph 2 Op)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
36.00	0.00007		565127.67	4228418.04	16.10	2.55
			565129.85	4227839.68	19.00	2.55
			565134.89	4227733.13	19.00	2.55
			565150.65	4227594.12	19.47	2.55
			565159.57	4227514.30	19.06	2.55

Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME

Source: RAIL.PH1 (Railroad)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
3.12	4.50E-6		564562.63	4228760.49	13.00	0.00
			564911.88	4228144.12	15.00	0.00
			564920.45	4228124.05	15.00	0.00
			564927.68	4228100.19	15.00	0.00
			564933.72	4228073.99	15.29	0.00
			564934.90	4228052.65	15.39	0.00
			564934.99	4228033.96	15.23	0.00
			564932.62	4228011.86	16.03	0.00
			564926.58	4227967.15	16.00	0.00
			564889.12	4227684.38	16.00	0.00
			564856.43	4227436.79	15.05	0.00
			564855.27	4227419.35	15.10	0.00

Source Pathway - Source Inputs

AERMOD

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
DEV.PH2	L0006506	564210.88	4227744.18	10.24	2.55	9.53E-7	10.00		4.65	2.37
	L0006507	564210.87	4227754.18	10.24	2.55	9.53E-7	10.00		4.65	2.37
	L0006508	564210.85	4227764.18	10.24	2.55	9.53E-7	10.00		4.65	2.37
	L0006509	564210.84	4227774.18	10.44	2.55	9.53E-7	10.00		4.65	2.37
	L0006510	564210.82	4227784.18	10.69	2.55	9.53E-7	10.00		4.65	2.37
	L0006511	564210.81	4227794.18	10.95	2.55	9.53E-7	10.00		4.65	2.37
	L0006512	564210.79	4227804.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006513	564210.78	4227814.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006514	564210.76	4227824.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006515	564210.75	4227834.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006516	564210.73	4227844.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006517	564210.72	4227854.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006518	564210.70	4227864.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006519	564210.69	4227874.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006520	564210.67	4227884.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006521	564210.66	4227894.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006522	564210.64	4227904.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006523	564210.63	4227914.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006524	564210.61	4227924.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006525	564210.60	4227934.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006526	564210.58	4227944.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006527	564210.57	4227954.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006528	564210.55	4227964.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006529	564210.54	4227974.18	11.00	2.55	9.53E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.PH2	L0006530	564210.52	4227984.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006531	564210.51	4227994.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006532	564210.49	4228004.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006533	564210.48	4228014.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006534	564210.46	4228024.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006535	564210.45	4228034.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006536	564210.43	4228044.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006537	564210.42	4228054.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006538	564210.40	4228064.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006539	564210.39	4228074.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006540	564210.37	4228084.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006541	564210.36	4228094.18	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006542	564210.34	4228104.18	10.79	2.55	9.53E-7	10.00		4.65	2.37
	L0006543	564210.33	4228114.18	10.54	2.55	9.53E-7	10.00		4.65	2.37
	L0006544	564210.31	4228124.18	10.28	2.55	9.53E-7	10.00		4.65	2.37
	L0006545	564210.30	4228134.18	10.22	2.55	9.53E-7	10.00		4.65	2.37
	L0006546	564210.28	4228144.18	10.22	2.55	9.53E-7	10.00		4.65	2.37
	L0006547	564210.27	4228154.18	10.22	2.55	9.53E-7	10.00		4.65	2.37
	L0006548	564210.26	4228164.18	10.22	2.55	9.53E-7	10.00		4.65	2.37
	L0006549	564210.24	4228174.18	10.22	2.55	9.53E-7	10.00		4.65	2.37
	L0006550	564210.23	4228184.18	10.22	2.55	9.53E-7	10.00		4.65	2.37
	L0006551	564210.21	4228194.18	10.16	2.55	9.53E-7	10.00		4.65	2.37
	L0006552	564210.20	4228204.18	10.09	2.55	9.53E-7	10.00		4.65	2.37
	L0006553	564210.18	4228214.18	10.02	2.55	9.53E-7	10.00		4.65	2.37
	L0006554	564210.17	4228224.18	10.00	2.55	9.53E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.PH2	L0006555	564210.15	4228234.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006556	564210.14	4228244.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006557	564210.12	4228254.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006558	564210.11	4228264.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006559	564210.09	4228274.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006560	564210.08	4228284.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006561	564210.06	4228294.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006562	564210.05	4228304.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006563	564210.03	4228314.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006564	564210.02	4228324.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006565	564210.00	4228334.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006566	564209.99	4228344.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006567	564209.97	4228354.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006568	564209.96	4228364.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006569	564209.94	4228374.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006570	564209.93	4228384.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006571	564209.91	4228394.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006572	564209.90	4228404.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006573	564209.88	4228414.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006574	564209.87	4228424.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006575	564209.85	4228434.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006576	564209.84	4228444.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006577	564209.82	4228454.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006578	564209.81	4228464.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006579	564209.79	4228474.18	10.00	2.55	9.53E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.PH2	L0006580	564209.78	4228484.18	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006581	564218.79	4228485.14	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006582	564228.79	4228485.10	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006583	564238.79	4228485.07	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006584	564248.79	4228485.03	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006585	564258.79	4228485.00	10.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006586	564268.79	4228484.96	10.17	2.55	9.53E-7	10.00		4.65	2.37
	L0006587	564278.79	4228484.93	10.50	2.55	9.53E-7	10.00		4.65	2.37
	L0006588	564288.79	4228484.90	10.84	2.55	9.53E-7	10.00		4.65	2.37
	L0006589	564298.79	4228484.86	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006590	564308.79	4228484.83	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006591	564318.79	4228484.79	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006592	564328.79	4228484.76	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006593	564338.79	4228484.72	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006594	564348.79	4228484.69	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006595	564358.79	4228484.66	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006596	564368.79	4228484.62	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006597	564378.79	4228484.59	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006598	564388.79	4228484.55	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006599	564398.79	4228484.52	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006600	564408.56	4228486.57	11.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006601	564418.32	4228488.76	11.01	2.55	9.53E-7	10.00		4.65	2.37
	L0006602	564428.08	4228490.95	11.08	2.55	9.53E-7	10.00		4.65	2.37
	L0006603	564437.83	4228493.14	11.18	2.55	9.53E-7	10.00		4.65	2.37
	L0006604	564447.59	4228495.33	11.39	2.55	9.53E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.PH2	L0006605	564457.35	4228497.52	11.66	2.55	9.53E-7	10.00		4.65	2.37
	L0006606	564467.20	4228498.84	11.87	2.55	9.53E-7	10.00		4.65	2.37
	L0006607	564477.20	4228498.93	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006608	564487.20	4228499.01	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006609	564497.20	4228499.10	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006610	564507.20	4228499.18	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006611	564517.20	4228499.27	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006612	564527.20	4228499.36	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006613	564537.20	4228499.44	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006614	564547.20	4228499.59	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006615	564557.20	4228499.75	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006616	564567.20	4228499.90	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006617	564577.20	4228500.06	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006618	564587.12	4228501.15	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006619	564597.02	4228502.60	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006620	564606.90	4228504.09	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006621	564616.52	4228506.84	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006622	564626.13	4228509.59	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006623	564635.75	4228512.33	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006624	564644.99	4228516.09	12.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006625	564654.09	4228520.23	12.14	2.55	9.53E-7	10.00		4.65	2.37
	L0006626	564663.08	4228524.59	12.50	2.55	9.53E-7	10.00		4.65	2.37
	L0006627	564671.88	4228529.35	12.78	2.55	9.53E-7	10.00		4.65	2.37
	L0006628	564680.68	4228534.10	12.96	2.55	9.53E-7	10.00		4.65	2.37
	L0006629	564689.48	4228538.86	13.00	2.55	9.53E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.PH2	L0006630	564698.27	4228543.61	13.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006631	564707.07	4228548.37	13.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006632	564715.87	4228553.12	13.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006633	564724.66	4228557.88	13.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006634	564733.41	4228562.72	13.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006635	564741.93	4228567.96	13.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006636	564750.45	4228573.20	13.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006637	564758.96	4228578.44	13.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006638	564767.40	4228583.79	13.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006639	564775.16	4228590.10	13.02	2.55	9.53E-7	10.00		4.65	2.37
	L0006640	564782.93	4228596.40	13.21	2.55	9.53E-7	10.00		4.65	2.37
	L0006641	564789.40	4228603.97	13.48	2.55	9.53E-7	10.00		4.65	2.37
	L0006642	564795.61	4228611.82	13.78	2.55	9.53E-7	10.00		4.65	2.37
	L0006643	564801.81	4228619.66	13.97	2.55	9.53E-7	10.00		4.65	2.37
	L0006644	564807.23	4228628.05	14.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006645	564812.45	4228636.58	14.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006646	564817.67	4228645.11	14.14	2.55	9.53E-7	10.00		4.65	2.37
	L0006647	564822.20	4228654.00	14.37	2.55	9.53E-7	10.00		4.65	2.37
	L0006648	564826.32	4228663.11	14.68	2.55	9.53E-7	10.00		4.65	2.37
	L0006649	564829.01	4228672.67	14.84	2.55	9.53E-7	10.00		4.65	2.37
	L0006650	564830.82	4228682.51	14.90	2.55	9.53E-7	10.00		4.65	2.37
	L0006651	564832.52	4228692.36	14.96	2.55	9.53E-7	10.00		4.65	2.37
	L0006652	564833.79	4228702.28	15.00	2.55	9.53E-7	10.00		4.65	2.37
	L0006653	564834.94	4228712.21	15.04	2.55	9.53E-7	10.00		4.65	2.37
	L0006654	564835.81	4228722.17	15.07	2.55	9.53E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
DEV.PH2	L0006655	564836.68	4228732.14	15.10	2.55	9.53E-7	10.00		4.65	2.37
	L0006656	564837.56	4228742.10	15.13	2.55	9.53E-7	10.00		4.65	2.37

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
GREEN.PH2	L0006657	564049.35	4227734.41	9.86	2.55	9.38E-7	10.00		4.65	2.37
	L0006658	564059.35	4227734.39	10.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006659	564069.35	4227734.38	10.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006660	564079.35	4227734.36	10.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006661	564089.35	4227734.35	10.01	2.55	9.38E-7	10.00		4.65	2.37
	L0006662	564099.35	4227734.33	10.03	2.55	9.38E-7	10.00		4.65	2.37
	L0006663	564109.35	4227734.31	10.06	2.55	9.38E-7	10.00		4.65	2.37
	L0006664	564119.35	4227734.30	10.07	2.55	9.38E-7	10.00		4.65	2.37
	L0006665	564129.35	4227734.28	10.07	2.55	9.38E-7	10.00		4.65	2.37
	L0006666	564139.35	4227734.27	10.07	2.55	9.38E-7	10.00		4.65	2.37
	L0006667	564149.35	4227734.25	10.05	2.55	9.38E-7	10.00		4.65	2.37
	L0006668	564159.35	4227734.23	10.03	2.55	9.38E-7	10.00		4.65	2.37
	L0006669	564169.35	4227734.22	10.01	2.55	9.38E-7	10.00		4.65	2.37
	L0006670	564179.35	4227734.20	10.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006671	564189.35	4227734.19	10.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006672	564199.35	4227734.17	10.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006673	564209.35	4227734.15	10.19	2.55	9.38E-7	10.00		4.65	2.37
	L0006674	564219.35	4227734.14	10.52	2.55	9.38E-7	10.00		4.65	2.37
	L0006675	564229.35	4227734.12	10.86	2.55	9.38E-7	10.00		4.65	2.37
	L0006676	564239.35	4227734.11	11.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006677	564249.35	4227734.09	11.00	2.55	9.38E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREEN.PH2	L0006678	564259.35	4227734.07	11.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006679	564269.35	4227734.06	11.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006680	564279.35	4227734.04	11.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006681	564289.35	4227734.03	11.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006682	564299.35	4227734.01	11.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006683	564309.35	4227733.99	11.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006684	564319.35	4227733.98	11.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006685	564329.35	4227733.96	11.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006686	564339.35	4227733.95	11.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006687	564349.35	4227733.93	11.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006688	564359.35	4227733.91	11.19	2.55	9.38E-7	10.00		4.65	2.37
	L0006689	564369.35	4227733.90	11.52	2.55	9.38E-7	10.00		4.65	2.37
	L0006690	564379.35	4227733.88	11.86	2.55	9.38E-7	10.00		4.65	2.37
	L0006691	564389.35	4227733.87	12.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006692	564399.35	4227733.85	12.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006693	564409.35	4227733.83	12.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006694	564419.35	4227733.82	12.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006695	564429.35	4227733.80	12.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006696	564439.35	4227733.79	12.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006697	564449.35	4227733.77	12.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006698	564459.35	4227733.75	12.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006699	564469.35	4227733.74	12.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006700	564479.35	4227733.72	12.19	2.55	9.38E-7	10.00		4.65	2.37
	L0006701	564489.35	4227733.71	12.52	2.55	9.38E-7	10.00		4.65	2.37
	L0006702	564499.35	4227733.69	12.86	2.55	9.38E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREEN.PH2	L0006703	564509.35	4227733.67	13.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006704	564519.35	4227733.66	13.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006705	564529.35	4227733.64	13.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006706	564539.35	4227733.63	13.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006707	564549.35	4227733.61	13.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006708	564559.35	4227733.59	13.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006709	564569.35	4227733.58	13.19	2.55	9.38E-7	10.00		4.65	2.37
	L0006710	564579.35	4227733.56	13.52	2.55	9.38E-7	10.00		4.65	2.37
	L0006711	564589.35	4227733.55	13.86	2.55	9.38E-7	10.00		4.65	2.37
	L0006712	564599.35	4227733.53	14.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006713	564609.35	4227733.51	14.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006714	564619.35	4227733.50	14.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006715	564629.35	4227733.48	14.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006716	564639.35	4227733.47	14.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006717	564649.35	4227733.45	14.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006718	564659.35	4227733.43	14.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006719	564669.35	4227733.42	14.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006720	564679.35	4227733.40	14.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006721	564689.35	4227733.39	14.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006722	564699.35	4227733.37	14.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006723	564709.35	4227733.35	14.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006724	564719.35	4227733.34	14.19	2.55	9.38E-7	10.00		4.65	2.37
	L0006725	564729.35	4227733.32	14.52	2.55	9.38E-7	10.00		4.65	2.37
	L0006726	564739.35	4227733.31	14.86	2.55	9.38E-7	10.00		4.65	2.37
	L0006727	564749.35	4227733.29	15.00	2.55	9.38E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREEN.PH2	L0006728	564759.35	4227733.27	15.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006729	564769.35	4227733.26	15.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006730	564779.35	4227733.24	15.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006731	564789.35	4227733.23	15.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006732	564799.35	4227733.21	15.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006733	564809.35	4227733.19	15.19	2.55	9.38E-7	10.00		4.65	2.37
	L0006734	564819.35	4227733.18	15.52	2.55	9.38E-7	10.00		4.65	2.37
	L0006735	564829.35	4227733.16	15.86	2.55	9.38E-7	10.00		4.65	2.37
	L0006736	564839.35	4227733.15	16.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006737	564849.35	4227733.13	16.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006738	564859.35	4227733.11	16.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006739	564869.35	4227733.10	16.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006740	564879.35	4227733.08	16.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006741	564889.35	4227733.07	16.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006742	564899.35	4227733.05	16.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006743	564909.35	4227733.03	16.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006744	564919.35	4227733.02	16.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006745	564929.35	4227733.00	16.19	2.55	9.38E-7	10.00		4.65	2.37
	L0006746	564939.35	4227732.99	16.52	2.55	9.38E-7	10.00		4.65	2.37
	L0006747	564949.35	4227732.97	16.86	2.55	9.38E-7	10.00		4.65	2.37
	L0006748	564959.35	4227732.95	17.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006749	564969.35	4227732.94	17.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006750	564979.35	4227732.92	17.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006751	564989.35	4227732.91	17.19	2.55	9.38E-7	10.00		4.65	2.37
	L0006752	564999.35	4227732.89	17.52	2.55	9.38E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREEN.PH2	L0006753	565009.35	4227732.87	17.86	2.55	9.38E-7	10.00		4.65	2.37
	L0006754	565019.35	4227732.86	18.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006755	565029.35	4227732.84	18.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006756	565039.35	4227732.83	18.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006757	565049.35	4227732.81	18.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006758	565059.35	4227732.79	18.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006759	565069.35	4227732.78	18.00	2.55	9.38E-7	10.00		4.65	2.37
	L0006760	565079.35	4227732.76	18.19	2.55	9.38E-7	10.00		4.65	2.37
	L0006761	565089.35	4227732.74	18.52	2.55	9.38E-7	10.00		4.65	2.37
	L0006762	565099.35	4227732.73	18.86	2.55	9.38E-7	10.00		4.65	2.37
	L0006763	565109.35	4227732.71	19.00	2.55	9.38E-7	10.00		4.65	2.37

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
HWY29.PH2	L0006764	565127.74	4228400.04	15.83	2.55	3.00E-6	36.00		16.74	2.37
	L0006765	565127.88	4228364.04	15.81	2.55	3.00E-6	36.00		16.74	2.37
	L0006766	565128.01	4228328.04	15.81	2.55	3.00E-6	36.00		16.74	2.37
	L0006767	565128.15	4228292.04	15.82	2.55	3.00E-6	36.00		16.74	2.37
	L0006768	565128.28	4228256.04	15.94	2.55	3.00E-6	36.00		16.74	2.37
	L0006769	565128.42	4228220.04	16.00	2.55	3.00E-6	36.00		16.74	2.37
	L0006770	565128.55	4228184.04	16.07	2.55	3.00E-6	36.00		16.74	2.37
	L0006771	565128.69	4228148.04	17.00	2.55	3.00E-6	36.00		16.74	2.37
	L0006772	565128.82	4228112.04	17.40	2.55	3.00E-6	36.00		16.74	2.37
	L0006773	565128.96	4228076.04	17.84	2.55	3.00E-6	36.00		16.74	2.37
	L0006774	565129.10	4228040.04	17.98	2.55	3.00E-6	36.00		16.74	2.37
	L0006775	565129.23	4228004.04	18.00	2.55	3.00E-6	36.00		16.74	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
HWY29.PH2	L0006776	565129.37	4227968.04	18.23	2.55	3.00E-6	36.00		16.74	2.37
	L0006777	565129.50	4227932.04	18.93	2.55	3.00E-6	36.00		16.74	2.37
	L0006778	565129.64	4227896.04	19.00	2.55	3.00E-6	36.00		16.74	2.37
	L0006779	565129.77	4227860.04	19.00	2.55	3.00E-6	36.00		16.74	2.37
	L0006780	565130.59	4227824.06	19.00	2.55	3.00E-6	36.00		16.74	2.37
	L0006781	565132.29	4227788.10	19.00	2.55	3.00E-6	36.00		16.74	2.37
	L0006782	565133.99	4227752.14	19.00	2.55	3.00E-6	36.00		16.74	2.37
	L0006783	565136.80	4227716.27	19.10	2.55	3.00E-6	36.00		16.74	2.37
	L0006784	565140.86	4227680.50	19.24	2.55	3.00E-6	36.00		16.74	2.37
	L0006785	565144.91	4227644.73	19.37	2.55	3.00E-6	36.00		16.74	2.37
	L0006786	565148.97	4227608.96	19.51	2.55	3.00E-6	36.00		16.74	2.37
	L0006787	565152.99	4227573.18	19.36	2.55	3.00E-6	36.00		16.74	2.37
	L0006788	565156.99	4227537.40	19.00	2.55	3.00E-6	36.00		16.74	2.37

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0006789	564563.39	4228759.13	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006790	564564.93	4228756.41	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006791	564566.47	4228753.70	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006792	564568.01	4228750.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006793	564569.55	4228748.27	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006794	564571.09	4228745.56	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006795	564572.62	4228742.84	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006796	564574.16	4228740.13	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006797	564575.70	4228737.41	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006798	564577.24	4228734.70	13.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0006799	564578.78	4228731.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006800	564580.31	4228729.27	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006801	564581.85	4228726.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006802	564583.39	4228723.84	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006803	564584.93	4228721.13	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006804	564586.47	4228718.41	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006805	564588.00	4228715.70	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006806	564589.54	4228712.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006807	564591.08	4228710.27	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006808	564592.62	4228707.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006809	564594.16	4228704.84	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006810	564595.70	4228702.12	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006811	564597.23	4228699.41	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006812	564598.77	4228696.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006813	564600.31	4228693.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006814	564601.85	4228691.27	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006815	564603.39	4228688.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006816	564604.92	4228685.84	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006817	564606.46	4228683.12	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006818	564608.00	4228680.41	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006819	564609.54	4228677.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006820	564611.08	4228674.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006821	564612.61	4228672.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006822	564614.15	4228669.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006823	564615.69	4228666.84	13.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0006824	564617.23	4228664.12	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006825	564618.77	4228661.41	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006826	564620.31	4228658.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006827	564621.84	4228655.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006828	564623.38	4228653.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006829	564624.92	4228650.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006830	564626.46	4228647.83	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006831	564628.00	4228645.12	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006832	564629.53	4228642.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006833	564631.07	4228639.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006834	564632.61	4228636.98	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006835	564634.15	4228634.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006836	564635.69	4228631.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006837	564637.23	4228628.83	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006838	564638.76	4228626.12	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006839	564640.30	4228623.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006840	564641.84	4228620.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006841	564643.38	4228617.97	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006842	564644.92	4228615.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006843	564646.45	4228612.55	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006844	564647.99	4228609.83	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006845	564649.53	4228607.12	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006846	564651.07	4228604.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006847	564652.61	4228601.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006848	564654.14	4228598.97	13.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0006849	564655.68	4228596.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006850	564657.22	4228593.54	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006851	564658.76	4228590.83	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006852	564660.30	4228588.11	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006853	564661.84	4228585.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006854	564663.37	4228582.69	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006855	564664.91	4228579.97	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006856	564666.45	4228577.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006857	564667.99	4228574.54	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006858	564669.53	4228571.83	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006859	564671.06	4228569.11	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006860	564672.60	4228566.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006861	564674.14	4228563.68	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006862	564675.68	4228560.97	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006863	564677.22	4228558.26	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006864	564678.76	4228555.54	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006865	564680.29	4228552.83	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006866	564681.83	4228550.11	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006867	564683.37	4228547.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006868	564684.91	4228544.68	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006869	564686.45	4228541.97	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006870	564687.98	4228539.25	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006871	564689.52	4228536.54	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006872	564691.06	4228533.82	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006873	564692.60	4228531.11	13.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0006874	564694.14	4228528.40	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006875	564695.67	4228525.68	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006876	564697.21	4228522.97	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006877	564698.75	4228520.25	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006878	564700.29	4228517.54	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006879	564701.83	4228514.82	12.98	0.00	9.74E-9	3.12		1.45	2.27
	L0006880	564703.37	4228512.11	12.95	0.00	9.74E-9	3.12		1.45	2.27
	L0006881	564704.90	4228509.39	12.93	0.00	9.74E-9	3.12		1.45	2.27
	L0006882	564706.44	4228506.68	12.92	0.00	9.74E-9	3.12		1.45	2.27
	L0006883	564707.98	4228503.97	12.92	0.00	9.74E-9	3.12		1.45	2.27
	L0006884	564709.52	4228501.25	12.93	0.00	9.74E-9	3.12		1.45	2.27
	L0006885	564711.06	4228498.54	12.95	0.00	9.74E-9	3.12		1.45	2.27
	L0006886	564712.59	4228495.82	12.98	0.00	9.74E-9	3.12		1.45	2.27
	L0006887	564714.13	4228493.11	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006888	564715.67	4228490.39	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006889	564717.21	4228487.68	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006890	564718.75	4228484.96	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006891	564720.28	4228482.25	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006892	564721.82	4228479.53	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006893	564723.36	4228476.82	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006894	564724.90	4228474.11	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006895	564726.44	4228471.39	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006896	564727.98	4228468.68	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006897	564729.51	4228465.96	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006898	564731.05	4228463.25	13.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0006899	564732.59	4228460.53	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006900	564734.13	4228457.82	13.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006901	564735.67	4228455.10	13.02	0.00	9.74E-9	3.12		1.45	2.27
	L0006902	564737.20	4228452.39	13.07	0.00	9.74E-9	3.12		1.45	2.27
	L0006903	564738.74	4228449.68	13.15	0.00	9.74E-9	3.12		1.45	2.27
	L0006904	564740.28	4228446.96	13.24	0.00	9.74E-9	3.12		1.45	2.27
	L0006905	564741.82	4228444.25	13.35	0.00	9.74E-9	3.12		1.45	2.27
	L0006906	564743.36	4228441.53	13.48	0.00	9.74E-9	3.12		1.45	2.27
	L0006907	564744.90	4228438.82	13.58	0.00	9.74E-9	3.12		1.45	2.27
	L0006908	564746.43	4228436.10	13.67	0.00	9.74E-9	3.12		1.45	2.27
	L0006909	564747.97	4228433.39	13.76	0.00	9.74E-9	3.12		1.45	2.27
	L0006910	564749.51	4228430.67	13.85	0.00	9.74E-9	3.12		1.45	2.27
	L0006911	564751.05	4228427.96	13.94	0.00	9.74E-9	3.12		1.45	2.27
	L0006912	564752.59	4228425.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006913	564754.12	4228422.53	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006914	564755.66	4228419.82	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006915	564757.20	4228417.10	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006916	564758.74	4228414.39	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006917	564760.28	4228411.67	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006918	564761.81	4228408.96	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006919	564763.35	4228406.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006920	564764.89	4228403.53	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006921	564766.43	4228400.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006922	564767.97	4228398.10	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006923	564769.51	4228395.39	14.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0006924	564771.04	4228392.67	13.99	0.00	9.74E-9	3.12		1.45	2.27
	L0006925	564772.58	4228389.96	13.99	0.00	9.74E-9	3.12		1.45	2.27
	L0006926	564774.12	4228387.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006927	564775.66	4228384.53	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006928	564777.20	4228381.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006929	564778.73	4228379.10	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006930	564780.27	4228376.38	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006931	564781.81	4228373.67	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006932	564783.35	4228370.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006933	564784.89	4228368.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006934	564786.43	4228365.53	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006935	564787.96	4228362.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006936	564789.50	4228360.10	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006937	564791.04	4228357.38	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006938	564792.58	4228354.67	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006939	564794.12	4228351.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006940	564795.65	4228349.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006941	564797.19	4228346.52	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006942	564798.73	4228343.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006943	564800.27	4228341.10	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006944	564801.81	4228338.38	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006945	564803.34	4228335.67	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006946	564804.88	4228332.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006947	564806.42	4228330.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006948	564807.96	4228327.52	14.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0006949	564809.50	4228324.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006950	564811.04	4228322.09	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006951	564812.57	4228319.38	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006952	564814.11	4228316.66	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006953	564815.65	4228313.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006954	564817.19	4228311.24	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006955	564818.73	4228308.52	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006956	564820.26	4228305.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006957	564821.80	4228303.09	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006958	564823.34	4228300.38	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006959	564824.88	4228297.66	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006960	564826.42	4228294.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006961	564827.95	4228292.23	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006962	564829.49	4228289.52	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006963	564831.03	4228286.81	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006964	564832.57	4228284.09	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006965	564834.11	4228281.38	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006966	564835.65	4228278.66	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006967	564837.18	4228275.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006968	564838.72	4228273.23	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006969	564840.26	4228270.52	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006970	564841.80	4228267.80	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006971	564843.34	4228265.09	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006972	564844.87	4228262.37	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006973	564846.41	4228259.66	14.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

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RAIL.PH1	L0006974	564847.95	4228256.95	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006975	564849.49	4228254.23	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006976	564851.03	4228251.52	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006977	564852.57	4228248.80	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006978	564854.10	4228246.09	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006979	564855.64	4228243.37	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006980	564857.18	4228240.66	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006981	564858.72	4228237.94	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006982	564860.26	4228235.23	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006983	564861.79	4228232.52	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006984	564863.33	4228229.80	14.00	0.00	9.74E-9	3.12		1.45	2.27
	L0006985	564864.87	4228227.09	14.03	0.00	9.74E-9	3.12		1.45	2.27
	L0006986	564866.41	4228224.37	14.07	0.00	9.74E-9	3.12		1.45	2.27
	L0006987	564867.95	4228221.66	14.12	0.00	9.74E-9	3.12		1.45	2.27
	L0006988	564869.48	4228218.94	14.18	0.00	9.74E-9	3.12		1.45	2.27
	L0006989	564871.02	4228216.23	14.25	0.00	9.74E-9	3.12		1.45	2.27
	L0006990	564872.56	4228213.51	14.36	0.00	9.74E-9	3.12		1.45	2.27
	L0006991	564874.10	4228210.80	14.47	0.00	9.74E-9	3.12		1.45	2.27
	L0006992	564875.64	4228208.08	14.56	0.00	9.74E-9	3.12		1.45	2.27
	L0006993	564877.18	4228205.37	14.65	0.00	9.74E-9	3.12		1.45	2.27
	L0006994	564878.71	4228202.66	14.73	0.00	9.74E-9	3.12		1.45	2.27
	L0006995	564880.25	4228199.94	14.80	0.00	9.74E-9	3.12		1.45	2.27
	L0006996	564881.79	4228197.23	14.85	0.00	9.74E-9	3.12		1.45	2.27
	L0006997	564883.33	4228194.51	14.90	0.00	9.74E-9	3.12		1.45	2.27
	L0006998	564884.87	4228191.80	14.95	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

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RAIL.PH1	L0006999	564886.40	4228189.08	14.98	0.00	9.74E-9	3.12		1.45	2.27
	L0007000	564887.94	4228186.37	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007001	564889.48	4228183.65	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007002	564891.02	4228180.94	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007003	564892.56	4228178.23	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007004	564894.10	4228175.51	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007005	564895.63	4228172.80	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007006	564897.17	4228170.08	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007007	564898.71	4228167.37	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007008	564900.25	4228164.65	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007009	564901.79	4228161.94	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007010	564903.32	4228159.22	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007011	564904.86	4228156.51	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007012	564906.40	4228153.79	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007013	564907.94	4228151.08	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007014	564909.48	4228148.37	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007015	564911.01	4228145.65	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007016	564912.42	4228142.87	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007017	564913.64	4228140.00	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007018	564914.87	4228137.13	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007019	564916.09	4228134.26	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007020	564917.32	4228131.39	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007021	564918.54	4228128.52	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007022	564919.77	4228125.65	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007023	564920.85	4228122.73	15.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

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RAIL.PH1	L0007024	564921.76	4228119.75	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007025	564922.66	4228116.76	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007026	564923.56	4228113.77	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007027	564924.47	4228110.79	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007028	564925.37	4228107.80	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007029	564926.28	4228104.82	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007030	564927.18	4228101.83	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007031	564927.99	4228098.82	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007032	564928.70	4228095.78	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007033	564929.40	4228092.74	15.02	0.00	9.74E-9	3.12		1.45	2.27
	L0007034	564930.10	4228089.70	15.05	0.00	9.74E-9	3.12		1.45	2.27
	L0007035	564930.80	4228086.66	15.08	0.00	9.74E-9	3.12		1.45	2.27
	L0007036	564931.50	4228083.62	15.11	0.00	9.74E-9	3.12		1.45	2.27
	L0007037	564932.20	4228080.58	15.15	0.00	9.74E-9	3.12		1.45	2.27
	L0007038	564932.90	4228077.54	15.19	0.00	9.74E-9	3.12		1.45	2.27
	L0007039	564933.61	4228074.50	15.24	0.00	9.74E-9	3.12		1.45	2.27
	L0007040	564933.87	4228071.40	15.28	0.00	9.74E-9	3.12		1.45	2.27
	L0007041	564934.04	4228068.28	15.32	0.00	9.74E-9	3.12		1.45	2.27
	L0007042	564934.21	4228065.17	15.35	0.00	9.74E-9	3.12		1.45	2.27
	L0007043	564934.38	4228062.05	15.36	0.00	9.74E-9	3.12		1.45	2.27
	L0007044	564934.55	4228058.93	15.36	0.00	9.74E-9	3.12		1.45	2.27
	L0007045	564934.73	4228055.82	15.37	0.00	9.74E-9	3.12		1.45	2.27
	L0007046	564934.90	4228052.70	15.37	0.00	9.74E-9	3.12		1.45	2.27
	L0007047	564934.91	4228049.58	15.37	0.00	9.74E-9	3.12		1.45	2.27
	L0007048	564934.93	4228046.46	15.38	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

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RAIL.PH1	L0007049	564934.94	4228043.34	15.38	0.00	9.74E-9	3.12		1.45	2.27
	L0007050	564934.96	4228040.22	15.38	0.00	9.74E-9	3.12		1.45	2.27
	L0007051	564934.97	4228037.10	15.38	0.00	9.74E-9	3.12		1.45	2.27
	L0007052	564934.99	4228033.98	15.42	0.00	9.74E-9	3.12		1.45	2.27
	L0007053	564934.66	4228030.88	15.48	0.00	9.74E-9	3.12		1.45	2.27
	L0007054	564934.32	4228027.78	15.54	0.00	9.74E-9	3.12		1.45	2.27
	L0007055	564933.99	4228024.68	15.60	0.00	9.74E-9	3.12		1.45	2.27
	L0007056	564933.66	4228021.58	15.66	0.00	9.74E-9	3.12		1.45	2.27
	L0007057	564933.33	4228018.47	15.72	0.00	9.74E-9	3.12		1.45	2.27
	L0007058	564932.99	4228015.37	15.79	0.00	9.74E-9	3.12		1.45	2.27
	L0007059	564932.66	4228012.27	15.86	0.00	9.74E-9	3.12		1.45	2.27
	L0007060	564932.26	4228009.18	15.93	0.00	9.74E-9	3.12		1.45	2.27
	L0007061	564931.84	4228006.08	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007062	564931.42	4228002.99	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007063	564931.00	4227999.90	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007064	564930.59	4227996.81	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007065	564930.17	4227993.72	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007066	564929.75	4227990.62	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007067	564929.33	4227987.53	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007068	564928.92	4227984.44	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007069	564928.50	4227981.35	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007070	564928.08	4227978.26	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007071	564927.66	4227975.16	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007072	564927.25	4227972.07	16.02	0.00	9.74E-9	3.12		1.45	2.27
	L0007073	564926.83	4227968.98	16.03	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

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RAIL.PH1	L0007074	564926.41	4227965.89	16.03	0.00	9.74E-9	3.12		1.45	2.27
	L0007075	564926.00	4227962.79	16.03	0.00	9.74E-9	3.12		1.45	2.27
	L0007076	564925.59	4227959.70	16.04	0.00	9.74E-9	3.12		1.45	2.27
	L0007077	564925.18	4227956.61	16.03	0.00	9.74E-9	3.12		1.45	2.27
	L0007078	564924.78	4227953.52	16.03	0.00	9.74E-9	3.12		1.45	2.27
	L0007079	564924.37	4227950.42	16.02	0.00	9.74E-9	3.12		1.45	2.27
	L0007080	564923.96	4227947.33	16.01	0.00	9.74E-9	3.12		1.45	2.27
	L0007081	564923.55	4227944.24	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007082	564923.14	4227941.14	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007083	564922.73	4227938.05	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007084	564922.32	4227934.96	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007085	564921.91	4227931.86	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007086	564921.50	4227928.77	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007087	564921.09	4227925.68	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007088	564920.68	4227922.59	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007089	564920.27	4227919.49	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007090	564919.86	4227916.40	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007091	564919.45	4227913.31	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007092	564919.04	4227910.21	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007093	564918.63	4227907.12	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007094	564918.22	4227904.03	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007095	564917.81	4227900.94	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007096	564917.40	4227897.84	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007097	564916.99	4227894.75	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007098	564916.58	4227891.66	16.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0007099	564916.17	4227888.56	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007100	564915.76	4227885.47	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007101	564915.35	4227882.38	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007102	564914.94	4227879.28	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007103	564914.53	4227876.19	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007104	564914.12	4227873.10	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007105	564913.71	4227870.01	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007106	564913.30	4227866.91	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007107	564912.89	4227863.82	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007108	564912.48	4227860.73	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007109	564912.07	4227857.63	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007110	564911.66	4227854.54	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007111	564911.25	4227851.45	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007112	564910.84	4227848.35	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007113	564910.43	4227845.26	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007114	564910.02	4227842.17	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007115	564909.61	4227839.08	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007116	564909.21	4227835.98	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007117	564908.80	4227832.89	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007118	564908.39	4227829.80	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007119	564907.98	4227826.70	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007120	564907.57	4227823.61	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007121	564907.16	4227820.52	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007122	564906.75	4227817.42	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007123	564906.34	4227814.33	16.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0007124	564905.93	4227811.24	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007125	564905.52	4227808.15	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007126	564905.11	4227805.05	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007127	564904.70	4227801.96	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007128	564904.29	4227798.87	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007129	564903.88	4227795.77	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007130	564903.47	4227792.68	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007131	564903.06	4227789.59	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007132	564902.65	4227786.49	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007133	564902.24	4227783.40	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007134	564901.83	4227780.31	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007135	564901.42	4227777.22	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007136	564901.01	4227774.12	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007137	564900.60	4227771.03	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007138	564900.19	4227767.94	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007139	564899.78	4227764.84	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007140	564899.37	4227761.75	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007141	564898.96	4227758.66	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007142	564898.55	4227755.57	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007143	564898.14	4227752.47	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007144	564897.73	4227749.38	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007145	564897.32	4227746.29	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007146	564896.91	4227743.19	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007147	564896.50	4227740.10	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007148	564896.09	4227737.01	16.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0007149	564895.68	4227733.91	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007150	564895.27	4227730.82	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007151	564894.86	4227727.73	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007152	564894.45	4227724.64	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007153	564894.04	4227721.54	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007154	564893.63	4227718.45	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007155	564893.23	4227715.36	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007156	564892.82	4227712.26	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007157	564892.41	4227709.17	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007158	564892.00	4227706.08	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007159	564891.59	4227702.98	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007160	564891.18	4227699.89	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007161	564890.77	4227696.80	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007162	564890.36	4227693.71	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007163	564889.95	4227690.61	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007164	564889.54	4227687.52	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007165	564889.13	4227684.43	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007166	564888.72	4227681.33	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007167	564888.31	4227678.24	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007168	564887.90	4227675.15	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007169	564887.49	4227672.05	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007170	564887.09	4227668.96	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007171	564886.68	4227665.87	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007172	564886.27	4227662.77	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007173	564885.86	4227659.68	16.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0007174	564885.45	4227656.59	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007175	564885.04	4227653.50	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007176	564884.64	4227650.40	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007177	564884.23	4227647.31	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007178	564883.82	4227644.22	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007179	564883.41	4227641.12	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007180	564883.00	4227638.03	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007181	564882.59	4227634.94	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007182	564882.19	4227631.84	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007183	564881.78	4227628.75	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007184	564881.37	4227625.66	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007185	564880.96	4227622.56	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007186	564880.55	4227619.47	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007187	564880.14	4227616.38	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007188	564879.73	4227613.28	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007189	564879.33	4227610.19	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007190	564878.92	4227607.10	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007191	564878.51	4227604.00	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007192	564878.10	4227600.91	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007193	564877.69	4227597.82	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007194	564877.28	4227594.73	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007195	564876.88	4227591.63	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007196	564876.47	4227588.54	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007197	564876.06	4227585.45	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007198	564875.65	4227582.35	16.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0007199	564875.24	4227579.26	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007200	564874.83	4227576.17	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007201	564874.43	4227573.07	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007202	564874.02	4227569.98	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007203	564873.61	4227566.89	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007204	564873.20	4227563.79	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007205	564872.79	4227560.70	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007206	564872.38	4227557.61	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007207	564871.98	4227554.51	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007208	564871.57	4227551.42	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007209	564871.16	4227548.33	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007210	564870.75	4227545.23	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007211	564870.34	4227542.14	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007212	564869.93	4227539.05	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007213	564869.52	4227535.96	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007214	564869.12	4227532.86	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007215	564868.71	4227529.77	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007216	564868.30	4227526.68	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007217	564867.89	4227523.58	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007218	564867.48	4227520.49	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007219	564867.07	4227517.40	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007220	564866.67	4227514.30	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007221	564866.26	4227511.21	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007222	564865.85	4227508.12	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007223	564865.44	4227505.02	16.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
RAIL.PH1	L0007224	564865.03	4227501.93	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007225	564864.62	4227498.84	16.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007226	564864.22	4227495.74	15.98	0.00	9.74E-9	3.12		1.45	2.27
	L0007227	564863.81	4227492.65	15.88	0.00	9.74E-9	3.12		1.45	2.27
	L0007228	564863.40	4227489.56	15.77	0.00	9.74E-9	3.12		1.45	2.27
	L0007229	564862.99	4227486.46	15.66	0.00	9.74E-9	3.12		1.45	2.27
	L0007230	564862.58	4227483.37	15.55	0.00	9.74E-9	3.12		1.45	2.27
	L0007231	564862.17	4227480.28	15.44	0.00	9.74E-9	3.12		1.45	2.27
	L0007232	564861.77	4227477.19	15.34	0.00	9.74E-9	3.12		1.45	2.27
	L0007233	564861.36	4227474.09	15.24	0.00	9.74E-9	3.12		1.45	2.27
	L0007234	564860.95	4227471.00	15.14	0.00	9.74E-9	3.12		1.45	2.27
	L0007235	564860.54	4227467.91	15.05	0.00	9.74E-9	3.12		1.45	2.27
	L0007236	564860.13	4227464.81	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007237	564859.72	4227461.72	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007238	564859.32	4227458.63	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007239	564858.91	4227455.53	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007240	564858.50	4227452.44	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007241	564858.09	4227449.35	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007242	564857.68	4227446.25	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007243	564857.27	4227443.16	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007244	564856.86	4227440.07	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007245	564856.46	4227436.97	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007246	564856.24	4227433.86	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007247	564856.03	4227430.75	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007248	564855.82	4227427.64	15.00	0.00	9.74E-9	3.12		1.45	2.27

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
RAIL.PH1	L0007249	564855.61	4227424.52	15.00	0.00	9.74E-9	3.12		1.45	2.27
	L0007250	564855.41	4227421.41	15.00	0.00	9.74E-9	3.12		1.45	2.27

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
DEV.PH1	L0007251	564836.84	4228739.05	15.11	2.55	8.09E-7	10.00		4.65	2.37
	L0007252	564836.14	4228729.07	15.08	2.55	8.09E-7	10.00		4.65	2.37
	L0007253	564835.45	4228719.10	15.06	2.55	8.09E-7	10.00		4.65	2.37
	L0007254	564834.62	4228709.13	15.03	2.55	8.09E-7	10.00		4.65	2.37
	L0007255	564833.30	4228699.22	14.99	2.55	8.09E-7	10.00		4.65	2.37
	L0007256	564831.98	4228689.31	14.94	2.55	8.09E-7	10.00		4.65	2.37
	L0007257	564830.33	4228679.45	14.89	2.55	8.09E-7	10.00		4.65	2.37
	L0007258	564828.58	4228669.60	14.83	2.55	8.09E-7	10.00		4.65	2.37
	L0007259	564825.07	4228660.30	14.57	2.55	8.09E-7	10.00		4.65	2.37
	L0007260	564820.96	4228651.18	14.29	2.55	8.09E-7	10.00		4.65	2.37
	L0007261	564816.27	4228642.38	14.09	2.55	8.09E-7	10.00		4.65	2.37
	L0007262	564810.98	4228633.89	14.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007263	564805.70	4228625.40	14.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007264	564799.90	4228617.27	13.92	2.55	8.09E-7	10.00		4.65	2.37
	L0007265	564793.69	4228609.44	13.70	2.55	8.09E-7	10.00		4.65	2.37
	L0007266	564787.47	4228601.60	13.39	2.55	8.09E-7	10.00		4.65	2.37
	L0007267	564780.15	4228594.87	13.13	2.55	8.09E-7	10.00		4.65	2.37
	L0007268	564772.36	4228588.60	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007269	564764.32	4228582.65	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007270	564756.24	4228576.76	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007271	564747.74	4228571.51	13.00	2.55	8.09E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.PH1	L0007272	564739.16	4228566.37	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007273	564730.56	4228561.26	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007274	564721.77	4228556.51	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007275	564712.97	4228551.75	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007276	564704.17	4228547.00	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007277	564695.38	4228542.24	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007278	564686.58	4228537.49	13.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007279	564677.78	4228532.73	12.91	2.55	8.09E-7	10.00		4.65	2.37
	L0007280	564668.98	4228527.97	12.70	2.55	8.09E-7	10.00		4.65	2.37
	L0007281	564660.13	4228523.33	12.40	2.55	8.09E-7	10.00		4.65	2.37
	L0007282	564651.08	4228519.08	12.09	2.55	8.09E-7	10.00		4.65	2.37
	L0007283	564642.03	4228514.83	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007284	564632.61	4228511.55	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007285	564623.00	4228508.79	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007286	564613.39	4228506.03	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007287	564603.70	4228503.64	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007288	564593.81	4228502.17	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007289	564583.91	4228500.69	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007290	564573.95	4228500.13	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007291	564563.95	4228500.00	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007292	564553.95	4228499.87	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007293	564543.95	4228499.74	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007294	564533.95	4228499.60	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007295	564523.95	4228499.47	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007296	564513.96	4228499.34	12.00	2.55	8.09E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.PH1	L0007297	564503.96	4228499.21	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007298	564493.96	4228499.08	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007299	564483.96	4228498.95	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007300	564473.96	4228498.82	12.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007301	564463.96	4228498.68	11.81	2.55	8.09E-7	10.00		4.65	2.37
	L0007302	564454.15	4228496.89	11.58	2.55	8.09E-7	10.00		4.65	2.37
	L0007303	564444.39	4228494.73	11.30	2.55	8.09E-7	10.00		4.65	2.37
	L0007304	564434.63	4228492.57	11.15	2.55	8.09E-7	10.00		4.65	2.37
	L0007305	564424.86	4228490.40	11.05	2.55	8.09E-7	10.00		4.65	2.37
	L0007306	564415.10	4228488.24	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007307	564405.34	4228486.08	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007308	564395.49	4228484.71	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007309	564385.49	4228484.72	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007310	564375.49	4228484.74	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007311	564365.49	4228484.76	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007312	564355.49	4228484.77	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007313	564345.49	4228484.79	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007314	564335.49	4228484.80	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007315	564325.49	4228484.82	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007316	564315.49	4228484.84	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007317	564305.49	4228484.85	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007318	564295.49	4228484.87	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007319	564285.49	4228484.88	10.73	2.55	8.09E-7	10.00		4.65	2.37
	L0007320	564275.49	4228484.90	10.39	2.55	8.09E-7	10.00		4.65	2.37
	L0007321	564265.49	4228484.92	10.06	2.55	8.09E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.PH1	L0007322	564255.49	4228484.93	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007323	564245.49	4228484.95	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007324	564235.49	4228484.97	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007325	564225.49	4228484.98	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007326	564215.49	4228485.00	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007327	564209.86	4228480.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007328	564209.87	4228470.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007329	564209.88	4228460.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007330	564209.89	4228450.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007331	564209.91	4228440.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007332	564209.92	4228430.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007333	564209.93	4228420.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007334	564209.94	4228410.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007335	564209.95	4228400.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007336	564209.96	4228390.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007337	564209.97	4228380.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007338	564209.98	4228370.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007339	564209.99	4228360.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007340	564210.00	4228350.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007341	564210.02	4228340.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007342	564210.03	4228330.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007343	564210.04	4228320.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007344	564210.05	4228310.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007345	564210.06	4228300.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007346	564210.07	4228290.64	10.00	2.55	8.09E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.PH1	L0007347	564210.08	4228280.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007348	564210.09	4228270.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007349	564210.10	4228260.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007350	564210.11	4228250.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007351	564210.13	4228240.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007352	564210.14	4228230.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007353	564210.15	4228220.64	10.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007354	564210.16	4228210.64	10.04	2.55	8.09E-7	10.00		4.65	2.37
	L0007355	564210.17	4228200.64	10.11	2.55	8.09E-7	10.00		4.65	2.37
	L0007356	564210.18	4228190.64	10.19	2.55	8.09E-7	10.00		4.65	2.37
	L0007357	564210.19	4228180.64	10.22	2.55	8.09E-7	10.00		4.65	2.37
	L0007358	564210.20	4228170.64	10.22	2.55	8.09E-7	10.00		4.65	2.37
	L0007359	564210.21	4228160.64	10.22	2.55	8.09E-7	10.00		4.65	2.37
	L0007360	564210.22	4228150.64	10.22	2.55	8.09E-7	10.00		4.65	2.37
	L0007361	564210.24	4228140.64	10.22	2.55	8.09E-7	10.00		4.65	2.37
	L0007362	564210.25	4228130.64	10.22	2.55	8.09E-7	10.00		4.65	2.37
	L0007363	564210.26	4228120.64	10.37	2.55	8.09E-7	10.00		4.65	2.37
	L0007364	564210.27	4228110.64	10.63	2.55	8.09E-7	10.00		4.65	2.37
	L0007365	564210.28	4228100.64	10.89	2.55	8.09E-7	10.00		4.65	2.37
	L0007366	564210.29	4228090.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007367	564210.30	4228080.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007368	564210.31	4228070.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007369	564210.32	4228060.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007370	564210.33	4228050.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007371	564210.35	4228040.64	11.00	2.55	8.09E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
DEV.PH1	L0007372	564210.36	4228030.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007373	564210.37	4228020.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007374	564210.38	4228010.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007375	564210.39	4228000.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007376	564210.40	4227990.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007377	564210.41	4227980.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007378	564210.42	4227970.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007379	564210.43	4227960.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007380	564210.44	4227950.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007381	564210.46	4227940.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007382	564210.47	4227930.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007383	564210.48	4227920.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007384	564210.49	4227910.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007385	564210.50	4227900.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007386	564210.51	4227890.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007387	564210.52	4227880.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007388	564210.53	4227870.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007389	564210.54	4227860.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007390	564210.56	4227850.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007391	564210.57	4227840.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007392	564210.58	4227830.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007393	564210.59	4227820.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007394	564210.60	4227810.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007395	564210.61	4227800.64	11.00	2.55	8.09E-7	10.00		4.65	2.37
	L0007396	564210.62	4227790.64	10.86	2.55	8.09E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
DEV.PH1	L0007397	564210.63	4227780.64	10.60	2.55	8.09E-7	10.00		4.65	2.37
	L0007398	564210.64	4227770.64	10.34	2.55	8.09E-7	10.00		4.65	2.37
	L0007399	564210.65	4227760.64	10.23	2.55	8.09E-7	10.00		4.65	2.37
	L0007400	564210.67	4227750.64	10.23	2.55	8.09E-7	10.00		4.65	2.37
	L0007401	564210.68	4227740.64	10.23	2.55	8.09E-7	10.00		4.65	2.37

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
GREEN.PH1	L0007402	564214.52	4227734.17	10.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007403	564224.52	4227734.16	10.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007404	564234.52	4227734.14	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007405	564244.52	4227734.13	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007406	564254.52	4227734.11	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007407	564264.52	4227734.09	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007408	564274.52	4227734.08	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007409	564284.52	4227734.06	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007410	564294.52	4227734.05	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007411	564304.52	4227734.03	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007412	564314.52	4227734.01	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007413	564324.52	4227734.00	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007414	564334.52	4227733.98	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007415	564344.52	4227733.96	11.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007416	564354.52	4227733.95	11.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007417	564364.52	4227733.93	11.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007418	564374.52	4227733.92	11.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007419	564384.52	4227733.90	12.00	2.55	8.06E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREEN.PH1	L0007420	564394.52	4227733.88	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007421	564404.52	4227733.87	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007422	564414.52	4227733.85	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007423	564424.52	4227733.84	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007424	564434.52	4227733.82	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007425	564444.52	4227733.80	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007426	564454.52	4227733.79	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007427	564464.52	4227733.77	12.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007428	564474.52	4227733.76	12.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007429	564484.52	4227733.74	12.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007430	564494.52	4227733.72	12.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007431	564504.52	4227733.71	13.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007432	564514.52	4227733.69	13.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007433	564524.52	4227733.67	13.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007434	564534.52	4227733.66	13.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007435	564544.52	4227733.64	13.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007436	564554.52	4227733.63	13.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007437	564564.52	4227733.61	13.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007438	564574.52	4227733.59	13.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007439	564584.52	4227733.58	13.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007440	564594.52	4227733.56	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007441	564604.52	4227733.55	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007442	564614.52	4227733.53	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007443	564624.52	4227733.51	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007444	564634.52	4227733.50	14.00	2.55	8.06E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
GREEN.PH1	L0007445	564644.52	4227733.48	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007446	564654.52	4227733.47	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007447	564664.52	4227733.45	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007448	564674.52	4227733.43	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007449	564684.52	4227733.42	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007450	564694.52	4227733.40	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007451	564704.52	4227733.38	14.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007452	564714.52	4227733.37	14.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007453	564724.52	4227733.35	14.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007454	564734.52	4227733.34	14.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007455	564744.52	4227733.32	15.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007456	564754.52	4227733.30	15.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007457	564764.52	4227733.29	15.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007458	564774.52	4227733.27	15.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007459	564784.52	4227733.26	15.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007460	564794.52	4227733.24	15.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007461	564804.52	4227733.22	15.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007462	564814.52	4227733.21	15.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007463	564824.52	4227733.19	15.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007464	564834.52	4227733.18	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007465	564844.52	4227733.16	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007466	564854.52	4227733.14	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007467	564864.52	4227733.13	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007468	564874.52	4227733.11	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007469	564884.52	4227733.10	16.00	2.55	8.06E-7	10.00		4.65	2.37

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
GREEN.PH1	L0007470	564894.52	4227733.08	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007471	564904.52	4227733.06	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007472	564914.52	4227733.05	16.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007473	564924.52	4227733.03	16.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007474	564934.52	4227733.01	16.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007475	564944.52	4227733.00	16.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007476	564954.52	4227732.98	17.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007477	564964.52	4227732.97	17.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007478	564974.52	4227732.95	17.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007479	564984.52	4227732.93	17.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007480	564994.52	4227732.92	17.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007481	565004.52	4227732.90	17.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007482	565014.52	4227732.89	18.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007483	565024.52	4227732.87	18.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007484	565034.52	4227732.85	18.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007485	565044.52	4227732.84	18.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007486	565054.52	4227732.82	18.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007487	565064.52	4227732.81	18.00	2.55	8.06E-7	10.00		4.65	2.37
	L0007488	565074.52	4227732.79	18.03	2.55	8.06E-7	10.00		4.65	2.37
	L0007489	565084.52	4227732.77	18.36	2.55	8.06E-7	10.00		4.65	2.37
	L0007490	565094.52	4227732.76	18.69	2.55	8.06E-7	10.00		4.65	2.37
	L0007491	565104.52	4227732.74	19.00	2.55	8.06E-7	10.00		4.65	2.37
Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
HWY29.PH1	L0007492	565127.13	4228399.80	15.81	3.40	2.54E-6	36.00		16.74	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimension [m]	Initial Vertical Dimension [m]
HWY29.PH1	L0007493	565127.26	4228363.80	15.79	3.40	2.54E-6	36.00		16.74	3.16
	L0007494	565127.38	4228327.80	15.79	3.40	2.54E-6	36.00		16.74	3.16
	L0007495	565127.50	4228291.80	15.79	3.40	2.54E-6	36.00		16.74	3.16
	L0007496	565127.62	4228255.80	15.94	3.40	2.54E-6	36.00		16.74	3.16
	L0007497	565127.74	4228219.80	16.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007498	565127.86	4228183.80	16.08	3.40	2.54E-6	36.00		16.74	3.16
	L0007499	565127.98	4228147.80	17.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007500	565128.10	4228111.80	17.39	3.40	2.54E-6	36.00		16.74	3.16
	L0007501	565128.22	4228075.80	17.82	3.40	2.54E-6	36.00		16.74	3.16
	L0007502	565128.34	4228039.80	17.98	3.40	2.54E-6	36.00		16.74	3.16
	L0007503	565128.46	4228003.80	18.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007504	565129.04	4227967.81	18.24	3.40	2.54E-6	36.00		16.74	3.16
	L0007505	565129.67	4227931.81	18.93	3.40	2.54E-6	36.00		16.74	3.16
	L0007506	565130.31	4227895.82	19.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007507	565130.94	4227859.82	19.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007508	565131.58	4227823.83	19.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007509	565132.22	4227787.83	19.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007510	565132.85	4227751.84	19.00	3.40	2.54E-6	36.00		16.74	3.16
	L0007511	565136.10	4227716.02	19.08	3.40	2.54E-6	36.00		16.74	3.16
	L0007512	565140.18	4227680.25	19.22	3.40	2.54E-6	36.00		16.74	3.16
	L0007513	565144.27	4227644.48	19.35	3.40	2.54E-6	36.00		16.74	3.16
	L0007514	565148.35	4227608.71	19.49	3.40	2.54E-6	36.00		16.74	3.16
	L0007515	565152.44	4227572.95	19.35	3.40	2.54E-6	36.00		16.74	3.16
	L0007516	565156.52	4227537.18	19.00	3.40	2.54E-6	36.00		16.74	3.16

Source Pathway - Source Inputs

AERMOD

Receptor Pathway

AERMOD

Receptor Networks

Note: Terrain Elevations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	563846.99	4227763.17		9.00	
2	563152.88	4227961.87		10.03	
3	563514.22	4227959.26		10.45	
4	563487.56	4227974.48		10.12	
5	563482.14	4227991.20		10.97	
6	563427.00	4227966.19		10.00	
7	563425.95	4227956.25		10.00	
8	563265.64	4227970.13		9.00	
9	562505.78	4227951.68		3.18	
10	563810.19	4227762.07		9.00	
11	563740.68	4227815.91		9.00	
12	564832.15	4226970.55		18.57	
13	564869.92	4226938.63		17.38	
14	565044.27	4226568.58		18.00	
15	564973.13	4226565.86		18.00	
16	564955.94	4226541.29		18.00	
17	564893.17	4226549.81		22.03	
18	565028.87	4226540.35		18.00	
19	565035.66	4226521.39		18.00	
20	565038.10	4226497.30		18.00	
21	565000.82	4226474.49		18.00	
22	565008.62	4226449.37		18.00	
23	565042.99	4226474.21		18.00	
24	565049.05	4226447.64		18.00	
25	565049.05	4226421.36		18.00	
26	565437.70	4226745.61		20.00	
27	565456.18	4226744.45		20.00	
28	565498.35	4226743.87		21.00	
29	565514.23	4226744.16		21.00	
30	565441.17	4226713.84		20.00	

Receptor Pathway

AERMOD

31	565459.65	4226713.55	20.00
32	565517.12	4226698.53	21.00
33	565516.25	4226683.80	21.00
34	565482.47	4226674.27	20.63
35	565483.33	4226658.68	20.66
36	565433.95	4226666.19	20.00
37	565434.24	4226653.48	20.00
38	565444.63	4226624.31	20.00
39	565463.98	4226624.31	20.01
40	565509.03	4226631.82	21.00
41	565509.03	4226617.38	21.00
42	565314.45	4227270.70	20.00
43	565291.64	4227217.62	19.00
44	565309.08	4227218.00	19.00
45	565384.70	4227209.41	20.00
46	565449.84	4227190.61	20.00
47	565496.35	4227202.46	20.28
48	565481.62	4227270.05	21.00
49	565516.57	4227270.92	21.00
50	565553.69	4227134.21	22.00
51	565613.85	4227214.51	22.01
52	565588.48	4227278.18	22.85
53	565625.01	4227289.45	24.49
54	565729.83	4227269.14	29.12
55	565890.63	4227286.35	34.23
56	565430.90	4227667.38	23.64
57	565017.44	4228947.47	20.67
58	566101.79	4227980.30	40.54
59	566081.49	4228935.03	70.63
60	564793.53	4226912.96	21.04
61	564970.33	4226914.23	16.00
62	565009.97	4226624.20	18.00
63	564973.04	4226624.09	18.00
64	564972.69	4226614.91	18.00
65	564928.06	4226614.73	18.85
66	564928.06	4226608.07	18.85
67	564884.55	4226608.07	21.49
68	564848.83	4226641.41	22.74

Receptor Pathway

AERMOD

69	564798.44	4226913.00	20.81
70	564803.35	4226913.03	20.57
71	564808.26	4226913.07	20.32
72	564813.17	4226913.10	20.07
73	564818.09	4226913.14	19.81
74	564823.00	4226913.17	19.56
75	564827.91	4226913.21	19.30
76	564832.82	4226913.24	19.04
77	564837.73	4226913.28	18.86
78	564842.64	4226913.31	18.70
79	564847.55	4226913.35	18.54
80	564852.46	4226913.38	18.37
81	564857.37	4226913.42	18.21
82	564862.29	4226913.45	18.05
83	564867.20	4226913.49	17.88
84	564872.11	4226913.52	17.72
85	564877.02	4226913.56	17.56
86	564881.93	4226913.60	17.39
87	564886.84	4226913.63	17.23
88	564891.75	4226913.67	17.06
89	564896.66	4226913.70	16.90
90	564901.57	4226913.74	16.74
91	564906.49	4226913.77	16.57
92	564911.40	4226913.81	16.41
93	564916.31	4226913.84	16.25
94	564921.22	4226913.88	16.08
95	564926.13	4226913.91	16.00
96	564931.04	4226913.95	16.00
97	564935.95	4226913.98	16.00
98	564940.86	4226914.02	16.00
99	564945.77	4226914.05	16.00
100	564950.69	4226914.09	16.00
101	564955.60	4226914.12	16.00
102	564960.51	4226914.16	16.00
103	564965.42	4226914.20	16.00
104	564971.00	4226909.31	16.00
105	564971.67	4226904.40	16.00
106	564972.35	4226899.48	16.00

Receptor Pathway

AERMOD

107	564973.02	4226894.57	16.00
108	564973.69	4226889.65	16.00
109	564974.36	4226884.74	16.00
110	564975.03	4226879.82	16.00
111	564975.70	4226874.90	16.00
112	564976.38	4226869.99	16.00
113	564977.05	4226865.07	16.00
114	564977.72	4226860.16	16.00
115	564978.39	4226855.24	16.00
116	564979.06	4226850.33	16.00
117	564979.74	4226845.41	16.00
118	564980.41	4226840.49	16.00
119	564981.08	4226835.58	16.00
120	564981.75	4226830.66	16.01
121	564982.42	4226825.75	16.01
122	564983.10	4226820.83	16.01
123	564983.77	4226815.92	16.00
124	564984.44	4226811.00	16.00
125	564985.11	4226806.08	16.01
126	564985.78	4226801.17	16.17
127	564986.45	4226796.25	16.33
128	564987.13	4226791.34	16.50
129	564987.80	4226786.42	16.66
130	564988.47	4226781.50	16.83
131	564989.14	4226776.59	16.99
132	564989.81	4226771.67	17.00
133	564990.49	4226766.76	17.00
134	564991.16	4226761.84	17.00
135	564991.83	4226756.93	17.00
136	564992.50	4226752.01	17.00
137	564993.17	4226747.09	17.00
138	564993.85	4226742.18	17.00
139	564994.52	4226737.26	17.00
140	564995.19	4226732.35	17.00
141	564995.86	4226727.43	17.00
142	564996.53	4226722.52	17.00
143	564997.20	4226717.60	17.00
144	564997.88	4226712.68	17.12

Receptor Pathway

AERMOD

145	564998.55	4226707.77	17.28
146	564999.22	4226702.85	17.45
147	564999.89	4226697.94	17.61
148	565000.56	4226693.02	17.77
149	565001.24	4226688.11	17.94
150	565001.91	4226683.19	18.00
151	565002.58	4226678.27	18.00
152	565003.25	4226673.36	18.00
153	565003.92	4226668.44	18.00
154	565004.60	4226663.53	18.00
155	565005.27	4226658.61	18.00
156	565005.94	4226653.70	18.00
157	565006.61	4226648.78	18.00
158	565007.28	4226643.86	18.00
159	565007.95	4226638.95	18.00
160	565008.63	4226634.03	18.00
161	565009.30	4226629.12	18.00
162	565005.35	4226624.19	18.00
163	565000.74	4226624.17	18.00
164	564996.12	4226624.16	18.00
165	564991.51	4226624.15	18.00
166	564986.89	4226624.13	18.00
167	564982.27	4226624.12	18.00
168	564977.66	4226624.10	18.00
169	564972.87	4226619.50	18.00
170	564967.73	4226614.89	18.00
171	564962.77	4226614.87	18.00
172	564957.81	4226614.85	18.00
173	564952.85	4226614.83	18.03
174	564947.90	4226614.81	18.19
175	564942.94	4226614.79	18.36
176	564937.98	4226614.77	18.52
177	564933.02	4226614.75	18.69
178	564928.06	4226611.40	18.85
179	564923.23	4226608.07	19.03
180	564918.39	4226608.07	19.35
181	564913.56	4226608.07	19.67
182	564908.72	4226608.07	20.00

Receptor Pathway

AERMOD

183	564903.89	4226608.07	20.32
184	564899.05	4226608.07	20.64
185	564894.22	4226608.07	20.96
186	564889.38	4226608.07	21.23
187	564880.98	4226611.40	21.63
188	564877.41	4226614.74	21.75
189	564873.83	4226618.07	21.84
190	564870.26	4226621.41	21.91
191	564866.69	4226624.74	21.95
192	564863.12	4226628.07	22.04
193	564859.55	4226631.41	22.25
194	564855.97	4226634.74	22.44
195	564852.40	4226638.08	22.60
196	564847.84	4226646.26	22.70
197	564846.86	4226651.11	22.66
198	564845.87	4226655.96	22.60
199	564844.88	4226660.81	22.63
200	564843.89	4226665.66	22.66
201	564842.91	4226670.51	22.69
202	564841.92	4226675.35	22.73
203	564840.93	4226680.20	22.76
204	564839.94	4226685.05	22.79
205	564838.96	4226689.90	22.82
206	564837.97	4226694.75	22.86
207	564836.98	4226699.60	22.89
208	564835.99	4226704.45	22.92
209	564835.01	4226709.30	22.96
210	564834.02	4226714.15	22.99
211	564833.03	4226719.00	23.02
212	564832.04	4226723.85	23.05
213	564831.06	4226728.69	23.09
214	564830.07	4226733.54	23.12
215	564829.08	4226738.39	23.15
216	564828.09	4226743.24	23.19
217	564827.11	4226748.09	23.11
218	564826.12	4226752.94	22.86
219	564825.13	4226757.79	22.63
220	564824.14	4226762.64	22.40

Receptor Pathway

AERMOD

221	564823.16	4226767.49	22.18
222	564822.17	4226772.34	21.98
223	564821.18	4226777.19	21.82
224	564820.19	4226782.03	21.81
225	564819.21	4226786.88	21.79
226	564818.22	4226791.73	21.76
227	564817.23	4226796.58	21.72
228	564816.24	4226801.43	21.67
229	564815.26	4226806.28	21.61
230	564814.27	4226811.13	21.59
231	564813.28	4226815.98	21.58
232	564812.29	4226820.83	21.57
233	564811.31	4226825.68	21.58
234	564810.32	4226830.53	21.60
235	564809.33	4226835.37	21.63
236	564808.34	4226840.22	21.58
237	564807.36	4226845.07	21.50
238	564806.37	4226849.92	21.41
239	564805.38	4226854.77	21.30
240	564804.39	4226859.62	21.19
241	564803.41	4226864.47	21.08
242	564802.42	4226869.32	20.98
243	564801.43	4226874.17	20.89
244	564800.44	4226879.02	20.79
245	564799.46	4226883.87	20.69
246	564798.47	4226888.71	20.60
247	564797.48	4226893.56	20.50
248	564796.49	4226898.41	20.53
249	564795.51	4226903.26	20.71
250	564794.52	4226908.11	20.88
251	565006.95	4226529.57	18.00
252	565012.12	4226486.09	18.00
253	564904.50	4226487.58	22.14
254	564903.47	4226530.72	21.47
255	565007.52	4226524.74	18.00
256	565008.10	4226519.91	18.00
257	565008.67	4226515.08	18.00
258	565009.25	4226510.25	18.00

Receptor Pathway

AERMOD

259	565009.82	4226505.41	18.00
260	565010.40	4226500.58	18.00
261	565010.97	4226495.75	18.00
262	565011.55	4226490.92	18.00
263	565007.23	4226486.16	18.00
264	565002.34	4226486.23	18.00
265	564997.44	4226486.29	18.00
266	564992.55	4226486.36	18.00
267	564987.66	4226486.43	18.00
268	564982.77	4226486.50	18.02
269	564977.88	4226486.56	18.13
270	564972.99	4226486.63	18.23
271	564968.09	4226486.70	18.34
272	564963.20	4226486.77	18.44
273	564958.31	4226486.84	18.55
274	564953.42	4226486.90	18.66
275	564948.53	4226486.97	18.99
276	564943.63	4226487.04	19.31
277	564938.74	4226487.11	19.63
278	564933.85	4226487.17	19.96
279	564928.96	4226487.24	20.28
280	564924.07	4226487.31	20.61
281	564919.18	4226487.38	20.98
282	564914.28	4226487.45	21.37
283	564909.39	4226487.51	21.76
284	564904.39	4226492.37	22.09
285	564904.27	4226497.17	22.05
286	564904.16	4226501.96	22.00
287	564904.04	4226506.75	21.95
288	564903.93	4226511.55	21.86
289	564903.81	4226516.34	21.76
290	564903.70	4226521.13	21.67
291	564903.58	4226525.93	21.57
292	564908.40	4226530.67	21.11
293	564913.33	4226530.61	20.75
294	564918.25	4226530.56	20.40
295	564923.18	4226530.50	20.04
296	564928.11	4226530.45	19.70

Receptor Pathway

AERMOD

297	564933.04	4226530.39	19.38
298	564937.96	4226530.34	19.05
299	564942.89	4226530.28	18.72
300	564947.82	4226530.23	18.39
301	564952.75	4226530.17	18.06
302	564957.67	4226530.12	18.00
303	564962.60	4226530.06	18.00
304	564967.53	4226530.01	18.00
305	564972.46	4226529.95	18.00
306	564977.38	4226529.90	18.00
307	564982.31	4226529.84	18.00
308	564987.24	4226529.79	18.00
309	564992.17	4226529.73	18.00
310	564997.09	4226529.68	18.00
311	565002.02	4226529.63	18.00

Plant Boundary Receptors

Receptor Groups

Record Number	Group ID	Group Description
1	FENCEPRI	Cartesian plant boundary Primary Receptors
2	FENCEINT	Cartesian plant boundary Intermediate Receptors

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: C:\Users\lpark\Desktop\COMPLETED PROJECTS\5476.0001 American Canyon Inn\HRA\724955\724955.SF
 Format Type: Default AERMET format

Profile Met Data

Filename: C:\Users\lpark\Desktop\COMPLETED PROJECTS\5476.0001 American Canyon Inn\HRA\724955\724955.PF
 Format Type: Default AERMET format

Wind Speed



Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 4.30 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2009			
Upper Air		2009			

Data Period

Data Period to Process

Start Date: 1/1/2009 Start Hour: 1 End Date: 1/2/2014 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.04060	ug/m^3	R1	563846.99	4227763.17	9.00	1.50	9.00	
PERIOD		0.01030	ug/m^3	R2	563152.88	4227961.87	10.03	1.50	10.03	
PERIOD		0.03858	ug/m^3	R3	563514.22	4227959.26	10.45	1.50	10.45	
PERIOD		0.03706	ug/m^3	R4	563487.56	4227974.48	10.12	1.50	10.12	
PERIOD		0.03908	ug/m^3	R5	563482.14	4227991.20	10.97	1.50	10.97	
PERIOD		0.02566	ug/m^3	R6	563427.00	4227966.19	10.00	1.50	10.00	
PERIOD		0.02461	ug/m^3	R7	563425.95	4227956.25	10.00	1.50	10.00	
PERIOD		0.01335	ug/m^3	R8	563265.64	4227970.13	9.00	1.50	9.00	
PERIOD		0.00453	ug/m^3	R9	562505.78	4227951.68	3.18	1.50	3.18	
PERIOD		0.03656	ug/m^3	R10	563810.19	4227762.07	9.00	1.50	9.00	
PERIOD		0.03915	ug/m^3	R11	563740.68	4227815.91	9.00	1.50	9.00	
PERIOD		0.00758	ug/m^3	R12	564832.15	4226970.55	18.57	1.50	80.00	
PERIOD		0.00708	ug/m^3	R13	564869.92	4226938.63	17.38	1.50	80.00	
PERIOD		0.00408	ug/m^3	R14	565044.27	4226568.58	18.00	1.50	251.00	
PERIOD		0.00433	ug/m^3	R15	564973.13	4226565.86	18.00	1.50	80.00	
PERIOD		0.00431	ug/m^3	R16	564955.94	4226541.29	18.00	1.50	80.00	
PERIOD		0.00444	ug/m^3	R17	564893.17	4226549.81	22.03	1.50	80.00	
PERIOD		0.00403	ug/m^3	R18	565028.87	4226540.35	18.00	1.50	251.00	
PERIOD		0.00395	ug/m^3	R19	565035.66	4226521.39	18.00	1.50	251.00	
PERIOD		0.00386	ug/m^3	R20	565038.10	4226497.30	18.00	1.50	251.00	

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00391	ug/m^3	R21	565000.82	4226474.49	18.00	1.50	80.00	
PERIOD		0.00380	ug/m^3	R22	565008.62	4226449.37	18.00	1.50	250.00	
PERIOD		0.00377	ug/m^3	R23	565042.99	4226474.21	18.00	1.50	251.00	
PERIOD		0.00367	ug/m^3	R24	565049.05	4226447.64	18.00	1.50	251.00	
PERIOD		0.00360	ug/m^3	R25	565049.05	4226421.36	18.00	1.50	251.00	
PERIOD		0.00337	ug/m^3	R26	565437.70	4226745.61	20.00	1.50	265.00	
PERIOD		0.00334	ug/m^3	R27	565456.18	4226744.45	20.00	1.50	265.00	
PERIOD		0.00325	ug/m^3	R28	565498.35	4226743.87	21.00	1.50	265.00	
PERIOD		0.00323	ug/m^3	R29	565514.23	4226744.16	21.00	1.50	265.00	
PERIOD		0.00327	ug/m^3	R30	565441.17	4226713.84	20.00	1.50	265.00	
PERIOD		0.00324	ug/m^3	R31	565459.65	4226713.55	20.00	1.50	265.00	
PERIOD		0.00310	ug/m^3	R32	565517.12	4226698.53	21.00	1.50	265.00	
PERIOD		0.00305	ug/m^3	R33	565516.25	4226683.80	21.00	1.50	265.00	
PERIOD		0.00308	ug/m^3	R34	565482.46	4226674.27	20.63	1.50	265.00	
PERIOD		0.00303	ug/m^3	R35	565483.33	4226658.68	20.66	1.50	265.00	
PERIOD		0.00314	ug/m^3	R36	565433.95	4226666.19	20.00	1.50	265.00	
PERIOD		0.00311	ug/m^3	R37	565434.24	4226653.48	20.00	1.50	265.00	
PERIOD		0.00301	ug/m^3	R38	565444.63	4226624.31	20.00	1.50	265.00	
PERIOD		0.00298	ug/m^3	R39	565463.98	4226624.31	20.01	1.50	265.00	
PERIOD		0.00292	ug/m^3	R40	565509.03	4226631.82	21.00	1.50	265.00	
PERIOD		0.00288	ug/m^3	R41	565509.03	4226617.38	21.00	1.50	265.00	

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AERMOD View by Lakes Environmental Software

RS - 2 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00640	ug/m^3	R42	565314.45	4227270.70	20.00	1.50	251.00	
PERIOD		0.00615	ug/m^3	R43	565291.64	4227217.62	19.00	1.50	251.00	
PERIOD		0.00607	ug/m^3	R44	565309.08	4227218.00	19.00	1.50	251.00	
PERIOD		0.00562	ug/m^3	R45	565384.70	4227209.41	20.00	1.50	265.00	
PERIOD		0.00527	ug/m^3	R46	565449.84	4227190.61	20.00	1.50	265.00	
PERIOD		0.00515	ug/m^3	R47	565496.35	4227202.46	20.28	1.50	265.00	
PERIOD		0.00557	ug/m^3	R48	565481.62	4227270.05	21.00	1.50	265.00	
PERIOD		0.00543	ug/m^3	R49	565516.57	4227270.92	21.00	1.50	265.00	
PERIOD		0.00454	ug/m^3	R50	565553.69	4227134.21	22.00	1.50	265.00	
PERIOD		0.00471	ug/m^3	R51	565613.85	4227214.51	22.01	1.50	265.00	
PERIOD		0.00506	ug/m^3	R52	565588.48	4227278.18	22.85	1.50	265.00	
PERIOD		0.00487	ug/m^3	R53	565625.01	4227289.45	24.49	1.50	265.00	
PERIOD		0.00412	ug/m^3	R54	565729.83	4227269.14	29.12	1.50	265.00	
PERIOD		0.00344	ug/m^3	R55	565890.63	4227286.35	34.23	1.50	265.00	
PERIOD		0.00991	ug/m^3	R56	565430.90	4227667.38	23.64	1.50	251.00	
PERIOD		0.01499	ug/m^3	R57	565017.44	4228947.47	20.67	1.50	20.67	
PERIOD		0.00555	ug/m^3	R58	566101.79	4227980.30	40.54	1.50	265.00	
PERIOD		0.00366	ug/m^3	R59	566081.49	4228935.03	70.63	1.50	70.63	
PERIOD		0.00716	ug/m^3	NJMES1	564793.53	4226912.96	21.04	1.50	80.00	
PERIOD		0.00620	ug/m^3	NJMES2	564970.33	4226914.23	16.00	1.50	251.00	
PERIOD		0.00441	ug/m^3	NJMES3	565009.97	4226624.20	18.00	1.50	251.00	

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AERMOD View by Lakes Environmental Software

RS - 3 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00457	ug/m^3	NJMES4	564973.04	4226624.09	18.00	1.50	250.00	
PERIOD		0.00453	ug/m^3	NJMES5	564972.69	4226614.91	18.00	1.50	80.00	
PERIOD		0.00470	ug/m^3	NJMES6	564928.06	4226614.73	18.85	1.50	80.00	
PERIOD		0.00467	ug/m^3	NJMES7	564928.06	4226608.07	18.85	1.50	80.00	
PERIOD		0.00475	ug/m^3	NJMES8	564884.55	4226608.07	21.49	1.50	80.00	
PERIOD		0.00498	ug/m^3	NJMES9	564848.83	4226641.41	22.74	1.50	80.00	
PERIOD		0.00715	ug/m^3	NJMES10	564798.44	4226913.00	20.81	1.50	80.00	
PERIOD		0.00713	ug/m^3	NJMES11	564803.35	4226913.03	20.57	1.50	80.00	
PERIOD		0.00712	ug/m^3	NJMES12	564808.26	4226913.07	20.32	1.50	80.00	
PERIOD		0.00710	ug/m^3	NJMES13	564813.17	4226913.10	20.07	1.50	80.00	
PERIOD		0.00709	ug/m^3	NJMES14	564818.09	4226913.14	19.81	1.50	80.00	
PERIOD		0.00707	ug/m^3	NJMES15	564823.00	4226913.17	19.56	1.50	80.00	
PERIOD		0.00705	ug/m^3	NJMES16	564827.91	4226913.21	19.30	1.50	80.00	
PERIOD		0.00704	ug/m^3	NJMES17	564832.82	4226913.24	19.04	1.50	80.00	
PERIOD		0.00701	ug/m^3	NJMES18	564837.73	4226913.28	18.86	1.50	80.00	
PERIOD		0.00699	ug/m^3	NJMES19	564842.64	4226913.31	18.70	1.50	80.00	
PERIOD		0.00696	ug/m^3	NJMES20	564847.55	4226913.35	18.54	1.50	80.00	
PERIOD		0.00694	ug/m^3	NJMES21	564852.46	4226913.38	18.37	1.50	80.00	
PERIOD		0.00691	ug/m^3	NJMES22	564857.37	4226913.42	18.21	1.50	80.00	
PERIOD		0.00689	ug/m^3	NJMES23	564862.29	4226913.45	18.05	1.50	80.00	
PERIOD		0.00686	ug/m^3	NJMES24	564867.20	4226913.49	17.88	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 3\54600001 Giovannoni Logistics_Scenario 3.isc

AERMOD View by Lakes Environmental Software

RS - 4 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00684	ug/m^3	NJMES25	564872.11	4226913.52	17.72	1.50	80.00	
PERIOD		0.00681	ug/m^3	NJMES26	564877.02	4226913.56	17.56	1.50	80.00	
PERIOD		0.00678	ug/m^3	NJMES27	564881.93	4226913.60	17.39	1.50	80.00	
PERIOD		0.00675	ug/m^3	NJMES28	564886.84	4226913.63	17.23	1.50	80.00	
PERIOD		0.00673	ug/m^3	NJMES29	564891.75	4226913.67	17.06	1.50	80.00	
PERIOD		0.00670	ug/m^3	NJMES30	564896.66	4226913.70	16.90	1.50	80.00	
PERIOD		0.00667	ug/m^3	NJMES31	564901.57	4226913.74	16.74	1.50	80.00	
PERIOD		0.00664	ug/m^3	NJMES32	564906.49	4226913.77	16.57	1.50	80.00	
PERIOD		0.00661	ug/m^3	NJMES33	564911.40	4226913.81	16.41	1.50	80.00	
PERIOD		0.00658	ug/m^3	NJMES34	564916.31	4226913.84	16.25	1.50	80.00	
PERIOD		0.00655	ug/m^3	NJMES35	564921.22	4226913.88	16.08	1.50	80.00	
PERIOD		0.00652	ug/m^3	NJMES36	564926.13	4226913.91	16.00	1.50	250.00	
PERIOD		0.00648	ug/m^3	NJMES37	564931.04	4226913.95	16.00	1.50	250.00	
PERIOD		0.00645	ug/m^3	NJMES38	564935.95	4226913.98	16.00	1.50	250.00	
PERIOD		0.00641	ug/m^3	NJMES39	564940.86	4226914.02	16.00	1.50	250.00	
PERIOD		0.00637	ug/m^3	NJMES40	564945.77	4226914.05	16.00	1.50	251.00	
PERIOD		0.00634	ug/m^3	NJMES41	564950.69	4226914.09	16.00	1.50	251.00	
PERIOD		0.00630	ug/m^3	NJMES42	564955.60	4226914.12	16.00	1.50	251.00	
PERIOD		0.00627	ug/m^3	NJMES43	564960.51	4226914.16	16.00	1.50	251.00	
PERIOD		0.00623	ug/m^3	NJMES44	564965.42	4226914.20	16.00	1.50	251.00	
PERIOD		0.00616	ug/m^3	NJMES45	564971.00	4226909.31	16.00	1.50	251.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 3\54600001 Giovannoni Logistics_Scenario 3.isc

AERMOD View by Lakes Environmental Software

RS - 5 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00612	ug/m^3	NJMES46	564971.67	4226904.40	16.00	1.50	251.00	
PERIOD		0.00608	ug/m^3	NJMES47	564972.35	4226899.48	16.00	1.50	251.00	
PERIOD		0.00605	ug/m^3	NJMES48	564973.02	4226894.57	16.00	1.50	251.00	
PERIOD		0.00601	ug/m^3	NJMES49	564973.69	4226889.65	16.00	1.50	251.00	
PERIOD		0.00597	ug/m^3	NJMES50	564974.36	4226884.74	16.00	1.50	251.00	
PERIOD		0.00594	ug/m^3	NJMES51	564975.03	4226879.82	16.00	1.50	251.00	
PERIOD		0.00590	ug/m^3	NJMES52	564975.70	4226874.90	16.00	1.50	251.00	
PERIOD		0.00587	ug/m^3	NJMES53	564976.38	4226869.99	16.00	1.50	251.00	
PERIOD		0.00583	ug/m^3	NJMES54	564977.05	4226865.07	16.00	1.50	251.00	
PERIOD		0.00580	ug/m^3	NJMES55	564977.72	4226860.16	16.00	1.50	251.00	
PERIOD		0.00576	ug/m^3	NJMES56	564978.39	4226855.24	16.00	1.50	251.00	
PERIOD		0.00573	ug/m^3	NJMES57	564979.06	4226850.33	16.00	1.50	251.00	
PERIOD		0.00569	ug/m^3	NJMES58	564979.74	4226845.41	16.00	1.50	251.00	
PERIOD		0.00566	ug/m^3	NJMES59	564980.41	4226840.49	16.00	1.50	251.00	
PERIOD		0.00563	ug/m^3	NJMES60	564981.08	4226835.58	16.00	1.50	251.00	
PERIOD		0.00560	ug/m^3	NJMES61	564981.75	4226830.66	16.01	1.50	251.00	
PERIOD		0.00556	ug/m^3	NJMES62	564982.42	4226825.75	16.01	1.50	251.00	
PERIOD		0.00553	ug/m^3	NJMES63	564983.10	4226820.83	16.01	1.50	251.00	
PERIOD		0.00550	ug/m^3	NJMES64	564983.77	4226815.92	16.00	1.50	251.00	
PERIOD		0.00547	ug/m^3	NJMES65	564984.44	4226811.00	16.00	1.50	251.00	
PERIOD		0.00544	ug/m^3	NJMES66	564985.11	4226806.08	16.01	1.50	251.00	

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AERMOD View by Lakes Environmental Software

RS - 6 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00540	ug/m^3	NJMES67	564985.78	4226801.17	16.17	1.50	251.00	
PERIOD		0.00537	ug/m^3	NJMES68	564986.45	4226796.25	16.33	1.50	251.00	
PERIOD		0.00533	ug/m^3	NJMES69	564987.13	4226791.34	16.50	1.50	251.00	
PERIOD		0.00529	ug/m^3	NJMES70	564987.80	4226786.42	16.66	1.50	251.00	
PERIOD		0.00526	ug/m^3	NJMES71	564988.47	4226781.50	16.83	1.50	251.00	
PERIOD		0.00522	ug/m^3	NJMES72	564989.14	4226776.59	16.99	1.50	251.00	
PERIOD		0.00520	ug/m^3	NJMES73	564989.81	4226771.67	17.00	1.50	251.00	
PERIOD		0.00517	ug/m^3	NJMES74	564990.49	4226766.76	17.00	1.50	251.00	
PERIOD		0.00514	ug/m^3	NJMES75	564991.16	4226761.84	17.00	1.50	251.00	
PERIOD		0.00511	ug/m^3	NJMES76	564991.83	4226756.93	17.00	1.50	251.00	
PERIOD		0.00508	ug/m^3	NJMES77	564992.50	4226752.01	17.00	1.50	251.00	
PERIOD		0.00506	ug/m^3	NJMES78	564993.17	4226747.09	17.00	1.50	251.00	
PERIOD		0.00503	ug/m^3	NJMES79	564993.85	4226742.18	17.00	1.50	251.00	
PERIOD		0.00500	ug/m^3	NJMES80	564994.52	4226737.26	17.00	1.50	251.00	
PERIOD		0.00498	ug/m^3	NJMES81	564995.19	4226732.35	17.00	1.50	251.00	
PERIOD		0.00495	ug/m^3	NJMES82	564995.86	4226727.43	17.00	1.50	251.00	
PERIOD		0.00492	ug/m^3	NJMES83	564996.53	4226722.51	17.00	1.50	251.00	
PERIOD		0.00490	ug/m^3	NJMES84	564997.20	4226717.60	17.00	1.50	251.00	
PERIOD		0.00487	ug/m^3	NJMES85	564997.88	4226712.68	17.12	1.50	251.00	
PERIOD		0.00484	ug/m^3	NJMES86	564998.55	4226707.77	17.28	1.50	251.00	
PERIOD		0.00481	ug/m^3	NJMES87	564999.22	4226702.85	17.45	1.50	251.00	

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AERMOD View by Lakes Environmental Software

RS - 7 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00478	ug/m^3	NJMES88	564999.89	4226697.94	17.61	1.50	251.00	
PERIOD		0.00475	ug/m^3	NJMES89	565000.56	4226693.02	17.77	1.50	251.00	
PERIOD		0.00471	ug/m^3	NJMES90	565001.24	4226688.11	17.94	1.50	251.00	
PERIOD		0.00469	ug/m^3	NJMES91	565001.91	4226683.19	18.00	1.50	251.00	
PERIOD		0.00466	ug/m^3	NJMES92	565002.58	4226678.27	18.00	1.50	251.00	
PERIOD		0.00464	ug/m^3	NJMES93	565003.25	4226673.36	18.00	1.50	251.00	
PERIOD		0.00462	ug/m^3	NJMES94	565003.92	4226668.44	18.00	1.50	251.00	
PERIOD		0.00459	ug/m^3	NJMES95	565004.60	4226663.53	18.00	1.50	251.00	
PERIOD		0.00457	ug/m^3	NJMES96	565005.27	4226658.61	18.00	1.50	251.00	
PERIOD		0.00455	ug/m^3	NJMES97	565005.94	4226653.70	18.00	1.50	251.00	
PERIOD		0.00452	ug/m^3	NJMES98	565006.61	4226648.78	18.00	1.50	251.00	
PERIOD		0.00450	ug/m^3	NJMES99	565007.28	4226643.86	18.00	1.50	251.00	
PERIOD		0.00448	ug/m^3	NJMES100	565007.95	4226638.95	18.00	1.50	251.00	
PERIOD		0.00446	ug/m^3	NJMES101	565008.63	4226634.03	18.00	1.50	251.00	
PERIOD		0.00443	ug/m^3	NJMES102	565009.30	4226629.12	18.00	1.50	251.00	
PERIOD		0.00443	ug/m^3	NJMES103	565005.35	4226624.19	18.00	1.50	251.00	
PERIOD		0.00445	ug/m^3	NJMES104	565000.74	4226624.17	18.00	1.50	251.00	
PERIOD		0.00447	ug/m^3	NJMES105	564996.12	4226624.16	18.00	1.50	251.00	
PERIOD		0.00449	ug/m^3	NJMES106	564991.51	4226624.14	18.00	1.50	250.00	
PERIOD		0.00451	ug/m^3	NJMES107	564986.89	4226624.13	18.00	1.50	250.00	
PERIOD		0.00453	ug/m^3	NJMES108	564982.27	4226624.12	18.00	1.50	250.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 3\54600001 Giovannoni Logistics_Scenario 3.isc

AERMOD View by Lakes Environmental Software

RS - 8 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00455	ug/m^3	NJMES109	564977.66	4226624.10	18.00	1.50	250.00	
PERIOD		0.00455	ug/m^3	NJMES110	564972.87	4226619.50	18.00	1.50	250.00	
PERIOD		0.00455	ug/m^3	NJMES111	564967.73	4226614.89	18.00	1.50	80.00	
PERIOD		0.00458	ug/m^3	NJMES112	564962.77	4226614.87	18.00	1.50	80.00	
PERIOD		0.00460	ug/m^3	NJMES113	564957.81	4226614.85	18.00	1.50	80.00	
PERIOD		0.00462	ug/m^3	NJMES114	564952.85	4226614.83	18.03	1.50	80.00	
PERIOD		0.00463	ug/m^3	NJMES115	564947.90	4226614.81	18.19	1.50	80.00	
PERIOD		0.00465	ug/m^3	NJMES116	564942.94	4226614.79	18.36	1.50	80.00	
PERIOD		0.00467	ug/m^3	NJMES117	564937.98	4226614.77	18.52	1.50	80.00	
PERIOD		0.00468	ug/m^3	NJMES118	564933.02	4226614.75	18.69	1.50	80.00	
PERIOD		0.00469	ug/m^3	NJMES119	564928.06	4226611.40	18.85	1.50	80.00	
PERIOD		0.00469	ug/m^3	NJMES120	564923.23	4226608.07	19.03	1.50	80.00	
PERIOD		0.00470	ug/m^3	NJMES121	564918.39	4226608.07	19.35	1.50	80.00	
PERIOD		0.00471	ug/m^3	NJMES122	564913.56	4226608.07	19.67	1.50	80.00	
PERIOD		0.00471	ug/m^3	NJMES123	564908.72	4226608.07	20.00	1.50	80.00	
PERIOD		0.00472	ug/m^3	NJMES124	564903.89	4226608.07	20.32	1.50	80.00	
PERIOD		0.00473	ug/m^3	NJMES125	564899.05	4226608.07	20.64	1.50	80.00	
PERIOD		0.00473	ug/m^3	NJMES126	564894.22	4226608.07	20.96	1.50	80.00	
PERIOD		0.00474	ug/m^3	NJMES127	564889.38	4226608.07	21.23	1.50	80.00	
PERIOD		0.00477	ug/m^3	NJMES128	564880.98	4226611.40	21.63	1.50	80.00	
PERIOD		0.00480	ug/m^3	NJMES129	564877.41	4226614.74	21.75	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 3\54600001 Giovannoni Logistics_Scenario 3.isc

AERMOD View by Lakes Environmental Software

RS - 9 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00482	ug/m^3	NJMES130	564873.83	4226618.07	21.84	1.50	80.00	
PERIOD		0.00485	ug/m^3	NJMES131	564870.26	4226621.41	21.91	1.50	80.00	
PERIOD		0.00488	ug/m^3	NJMES132	564866.69	4226624.74	21.95	1.50	80.00	
PERIOD		0.00490	ug/m^3	NJMES133	564863.12	4226628.07	22.04	1.50	80.00	
PERIOD		0.00492	ug/m^3	NJMES134	564859.55	4226631.41	22.25	1.50	80.00	
PERIOD		0.00494	ug/m^3	NJMES135	564855.97	4226634.74	22.44	1.50	80.00	
PERIOD		0.00496	ug/m^3	NJMES136	564852.40	4226638.08	22.60	1.50	80.00	
PERIOD		0.00501	ug/m^3	NJMES137	564847.84	4226646.26	22.70	1.50	80.00	
PERIOD		0.00505	ug/m^3	NJMES138	564846.86	4226651.11	22.66	1.50	80.00	
PERIOD		0.00508	ug/m^3	NJMES139	564845.87	4226655.96	22.60	1.50	80.00	
PERIOD		0.00510	ug/m^3	NJMES140	564844.88	4226660.81	22.63	1.50	80.00	
PERIOD		0.00513	ug/m^3	NJMES141	564843.89	4226665.66	22.66	1.50	80.00	
PERIOD		0.00516	ug/m^3	NJMES142	564842.91	4226670.51	22.69	1.50	80.00	
PERIOD		0.00518	ug/m^3	NJMES143	564841.92	4226675.35	22.73	1.50	80.00	
PERIOD		0.00521	ug/m^3	NJMES144	564840.93	4226680.20	22.76	1.50	80.00	
PERIOD		0.00524	ug/m^3	NJMES145	564839.94	4226685.05	22.79	1.50	80.00	
PERIOD		0.00526	ug/m^3	NJMES146	564838.95	4226689.90	22.82	1.50	80.00	
PERIOD		0.00529	ug/m^3	NJMES147	564837.97	4226694.75	22.86	1.50	80.00	
PERIOD		0.00532	ug/m^3	NJMES148	564836.98	4226699.60	22.89	1.50	80.00	
PERIOD		0.00535	ug/m^3	NJMES149	564835.99	4226704.45	22.92	1.50	80.00	
PERIOD		0.00537	ug/m^3	NJMES150	564835.01	4226709.30	22.96	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 3\54600001 Giovannoni Logistics_Scenario 3.isc

AERMOD View by Lakes Environmental Software

RS - 10 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00540	ug/m^3	NJMES151	564834.02	4226714.15	22.99	1.50	80.00	
PERIOD		0.00543	ug/m^3	NJMES152	564833.03	4226719.00	23.02	1.50	80.00	
PERIOD		0.00546	ug/m^3	NJMES153	564832.04	4226723.85	23.05	1.50	80.00	
PERIOD		0.00549	ug/m^3	NJMES154	564831.06	4226728.69	23.09	1.50	80.00	
PERIOD		0.00552	ug/m^3	NJMES155	564830.07	4226733.54	23.12	1.50	80.00	
PERIOD		0.00555	ug/m^3	NJMES156	564829.08	4226738.39	23.15	1.50	80.00	
PERIOD		0.00558	ug/m^3	NJMES157	564828.09	4226743.24	23.19	1.50	80.00	
PERIOD		0.00562	ug/m^3	NJMES158	564827.11	4226748.09	23.11	1.50	80.00	
PERIOD		0.00567	ug/m^3	NJMES159	564826.12	4226752.94	22.86	1.50	80.00	
PERIOD		0.00572	ug/m^3	NJMES160	564825.13	4226757.79	22.63	1.50	80.00	
PERIOD		0.00577	ug/m^3	NJMES161	564824.14	4226762.64	22.40	1.50	80.00	
PERIOD		0.00582	ug/m^3	NJMES162	564823.16	4226767.49	22.18	1.50	80.00	
PERIOD		0.00588	ug/m^3	NJMES163	564822.17	4226772.34	21.98	1.50	80.00	
PERIOD		0.00592	ug/m^3	NJMES164	564821.18	4226777.18	21.82	1.50	80.00	
PERIOD		0.00596	ug/m^3	NJMES165	564820.19	4226782.03	21.81	1.50	80.00	
PERIOD		0.00600	ug/m^3	NJMES166	564819.20	4226786.88	21.79	1.50	80.00	
PERIOD		0.00604	ug/m^3	NJMES167	564818.22	4226791.73	21.76	1.50	80.00	
PERIOD		0.00608	ug/m^3	NJMES168	564817.23	4226796.58	21.72	1.50	80.00	
PERIOD		0.00612	ug/m^3	NJMES169	564816.24	4226801.43	21.67	1.50	80.00	
PERIOD		0.00616	ug/m^3	NJMES170	564815.26	4226806.28	21.61	1.50	80.00	
PERIOD		0.00620	ug/m^3	NJMES171	564814.27	4226811.13	21.59	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 3\54600001 Giovannoni Logistics_Scenario 3.isc

AERMOD View by Lakes Environmental Software

RS - 11 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00624	ug/m^3	NJMES172	564813.28	4226815.98	21.58	1.50	80.00	
PERIOD		0.00628	ug/m^3	NJMES173	564812.29	4226820.83	21.57	1.50	80.00	
PERIOD		0.00632	ug/m^3	NJMES174	564811.31	4226825.68	21.58	1.50	80.00	
PERIOD		0.00636	ug/m^3	NJMES175	564810.32	4226830.53	21.60	1.50	80.00	
PERIOD		0.00640	ug/m^3	NJMES176	564809.33	4226835.37	21.63	1.50	80.00	
PERIOD		0.00644	ug/m^3	NJMES177	564808.34	4226840.22	21.58	1.50	80.00	
PERIOD		0.00649	ug/m^3	NJMES178	564807.36	4226845.07	21.50	1.50	80.00	
PERIOD		0.00654	ug/m^3	NJMES179	564806.37	4226849.92	21.41	1.50	80.00	
PERIOD		0.00659	ug/m^3	NJMES180	564805.38	4226854.77	21.30	1.50	80.00	
PERIOD		0.00664	ug/m^3	NJMES181	564804.39	4226859.62	21.19	1.50	80.00	
PERIOD		0.00670	ug/m^3	NJMES182	564803.41	4226864.47	21.08	1.50	80.00	
PERIOD		0.00675	ug/m^3	NJMES183	564802.42	4226869.32	20.98	1.50	80.00	
PERIOD		0.00680	ug/m^3	NJMES184	564801.43	4226874.17	20.89	1.50	80.00	
PERIOD		0.00685	ug/m^3	NJMES185	564800.44	4226879.02	20.79	1.50	80.00	
PERIOD		0.00691	ug/m^3	NJMES186	564799.45	4226883.87	20.69	1.50	80.00	
PERIOD		0.00696	ug/m^3	NJMES187	564798.47	4226888.71	20.60	1.50	80.00	
PERIOD		0.00702	ug/m^3	NJMES188	564797.48	4226893.56	20.50	1.50	80.00	
PERIOD		0.00706	ug/m^3	NJMES189	564796.49	4226898.41	20.53	1.50	80.00	
PERIOD		0.00709	ug/m^3	NJMES190	564795.51	4226903.26	20.71	1.50	80.00	
PERIOD		0.00713	ug/m^3	NJMES191	564794.52	4226908.11	20.88	1.50	80.00	
PERIOD		0.00407	ug/m^3	CBCA1	565006.95	4226529.57	18.00	1.50	250.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 3\54600001 Giovannoni Logistics_Scenario 3.isc

AERMOD View by Lakes Environmental Software

RS - 12 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00391	ug/m^3	CBCA2	565012.12	4226486.09	18.00	1.50	250.00	
PERIOD		0.00416	ug/m^3	CBCA3	564904.50	4226487.58	22.14	1.50	80.00	
PERIOD		0.00435	ug/m^3	CBCA4	564903.47	4226530.72	21.47	1.50	80.00	
PERIOD		0.00405	ug/m^3	CBCA5	565007.52	4226524.74	18.00	1.50	250.00	
PERIOD		0.00403	ug/m^3	CBCA6	565008.10	4226519.91	18.00	1.50	250.00	
PERIOD		0.00402	ug/m^3	CBCA7	565008.67	4226515.08	18.00	1.50	250.00	
PERIOD		0.00400	ug/m^3	CBCA8	565009.25	4226510.25	18.00	1.50	250.00	
PERIOD		0.00398	ug/m^3	CBCA9	565009.82	4226505.41	18.00	1.50	250.00	
PERIOD		0.00396	ug/m^3	CBCA10	565010.40	4226500.58	18.00	1.50	250.00	
PERIOD		0.00394	ug/m^3	CBCA11	565010.97	4226495.75	18.00	1.50	250.00	
PERIOD		0.00393	ug/m^3	CBCA12	565011.55	4226490.92	18.00	1.50	250.00	
PERIOD		0.00392	ug/m^3	CBCA13	565007.23	4226486.16	18.00	1.50	250.00	
PERIOD		0.00394	ug/m^3	CBCA14	565002.34	4226486.22	18.00	1.50	250.00	
PERIOD		0.00396	ug/m^3	CBCA15	564997.44	4226486.29	18.00	1.50	80.00	
PERIOD		0.00397	ug/m^3	CBCA16	564992.55	4226486.36	18.00	1.50	80.00	
PERIOD		0.00399	ug/m^3	CBCA17	564987.66	4226486.43	18.00	1.50	80.00	
PERIOD		0.00401	ug/m^3	CBCA18	564982.77	4226486.50	18.02	1.50	80.00	
PERIOD		0.00402	ug/m^3	CBCA19	564977.88	4226486.56	18.13	1.50	80.00	
PERIOD		0.00404	ug/m^3	CBCA20	564972.99	4226486.63	18.23	1.50	80.00	
PERIOD		0.00405	ug/m^3	CBCA21	564968.09	4226486.70	18.34	1.50	80.00	
PERIOD		0.00407	ug/m^3	CBCA22	564963.20	4226486.77	18.44	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 3\54600001 Giovannoni Logistics_Scenario 3.isc

AERMOD View by Lakes Environmental Software

RS - 13 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00408	ug/m^3	CBCA23	564958.31	4226486.84	18.55	1.50	80.00	
PERIOD		0.00410	ug/m^3	CBCA24	564953.42	4226486.90	18.66	1.50	80.00	
PERIOD		0.00411	ug/m^3	CBCA25	564948.53	4226486.97	18.99	1.50	80.00	
PERIOD		0.00411	ug/m^3	CBCA26	564943.63	4226487.04	19.31	1.50	80.00	
PERIOD		0.00412	ug/m^3	CBCA27	564938.74	4226487.11	19.63	1.50	80.00	
PERIOD		0.00413	ug/m^3	CBCA28	564933.85	4226487.17	19.96	1.50	80.00	
PERIOD		0.00414	ug/m^3	CBCA29	564928.96	4226487.24	20.28	1.50	80.00	
PERIOD		0.00414	ug/m^3	CBCA30	564924.07	4226487.31	20.61	1.50	80.00	
PERIOD		0.00415	ug/m^3	CBCA31	564919.18	4226487.38	20.98	1.50	80.00	
PERIOD		0.00415	ug/m^3	CBCA32	564914.28	4226487.45	21.37	1.50	80.00	
PERIOD		0.00416	ug/m^3	CBCA33	564909.39	4226487.51	21.76	1.50	80.00	
PERIOD		0.00418	ug/m^3	CBCA34	564904.39	4226492.37	22.09	1.50	80.00	
PERIOD		0.00420	ug/m^3	CBCA35	564904.27	4226497.17	22.05	1.50	80.00	
PERIOD		0.00422	ug/m^3	CBCA36	564904.16	4226501.96	22.00	1.50	80.00	
PERIOD		0.00424	ug/m^3	CBCA37	564904.04	4226506.75	21.95	1.50	80.00	
PERIOD		0.00426	ug/m^3	CBCA38	564903.93	4226511.55	21.86	1.50	80.00	
PERIOD		0.00428	ug/m^3	CBCA39	564903.81	4226516.34	21.76	1.50	80.00	
PERIOD		0.00431	ug/m^3	CBCA40	564903.70	4226521.13	21.67	1.50	80.00	
PERIOD		0.00433	ug/m^3	CBCA41	564903.58	4226525.93	21.57	1.50	80.00	
PERIOD		0.00435	ug/m^3	CBCA42	564908.40	4226530.67	21.11	1.50	80.00	
PERIOD		0.00434	ug/m^3	CBCA43	564913.33	4226530.61	20.75	1.50	80.00	

Project File: C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 3\54600001 Giovannoni Logistics_Scenario 3.isc

AERMOD View by Lakes Environmental Software

RS - 14 of 15

9/24/2021

Sensitive Receptor Summary

C:\Lakes\AERMOD View\54600001 Giovannoni Logistics_Scenario 1\546000

PM2.5 - Concentration - Source Group: ALL										
Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00434	ug/m^3	CBCA44	564918.25	4226530.56	20.40	1.50	80.00	
PERIOD		0.00433	ug/m^3	CBCA45	564923.18	4226530.50	20.04	1.50	80.00	
PERIOD		0.00432	ug/m^3	CBCA46	564928.11	4226530.45	19.70	1.50	80.00	
PERIOD		0.00431	ug/m^3	CBCA47	564933.04	4226530.39	19.38	1.50	80.00	
PERIOD		0.00431	ug/m^3	CBCA48	564937.96	4226530.34	19.05	1.50	80.00	
PERIOD		0.00430	ug/m^3	CBCA49	564942.89	4226530.28	18.72	1.50	80.00	
PERIOD		0.00429	ug/m^3	CBCA50	564947.82	4226530.23	18.39	1.50	80.00	
PERIOD		0.00428	ug/m^3	CBCA51	564952.75	4226530.17	18.06	1.50	80.00	
PERIOD		0.00426	ug/m^3	CBCA52	564957.67	4226530.12	18.00	1.50	80.00	
PERIOD		0.00424	ug/m^3	CBCA53	564962.60	4226530.06	18.00	1.50	80.00	
PERIOD		0.00422	ug/m^3	CBCA54	564967.53	4226530.01	18.00	1.50	80.00	
PERIOD		0.00420	ug/m^3	CBCA55	564972.46	4226529.95	18.00	1.50	80.00	
PERIOD		0.00418	ug/m^3	CBCA56	564977.38	4226529.90	18.00	1.50	80.00	
PERIOD		0.00416	ug/m^3	CBCA57	564982.31	4226529.84	18.00	1.50	80.00	
PERIOD		0.00414	ug/m^3	CBCA58	564987.24	4226529.79	18.00	1.50	80.00	
PERIOD		0.00413	ug/m^3	CBCA59	564992.17	4226529.73	18.00	1.50	250.00	
PERIOD		0.00411	ug/m^3	CBCA60	564997.09	4226529.68	18.00	1.50	250.00	
PERIOD		0.00409	ug/m^3	CBCA61	565002.02	4226529.63	18.00	1.50	250.00	

PROJECT TITLE:

C:\Lakes\AERMOD View\54600001 Giovanni Logistics_Scenario 1\546000

COMMENTS:

SOURCES:

9

RECEPTORS:

6933

OUTPUT TYPE:

Concentration

MAX:

0.229 ug/m³

COMPANY NAME:

MODELER:

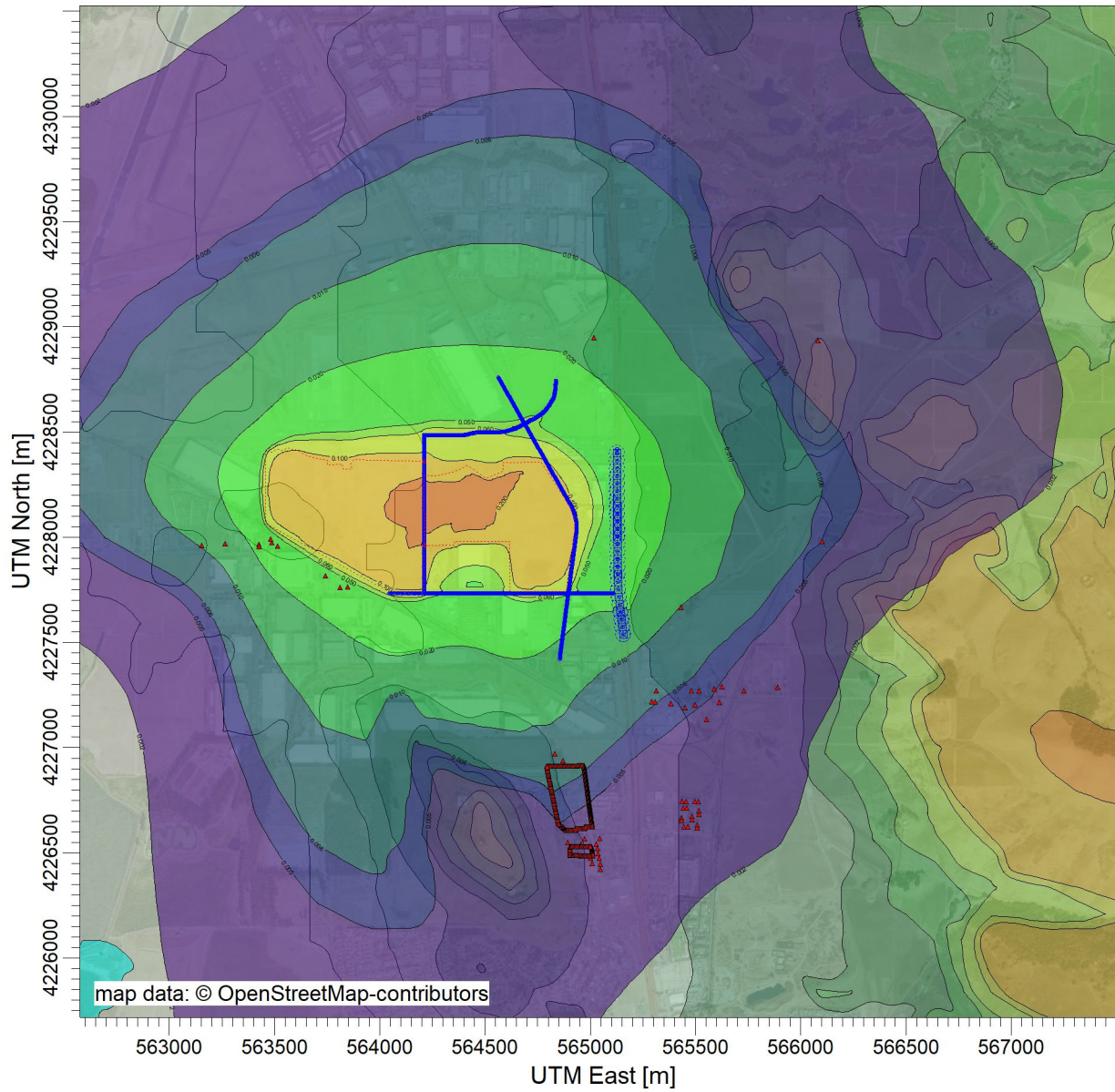
DATE:

9/24/2021

SCALE:

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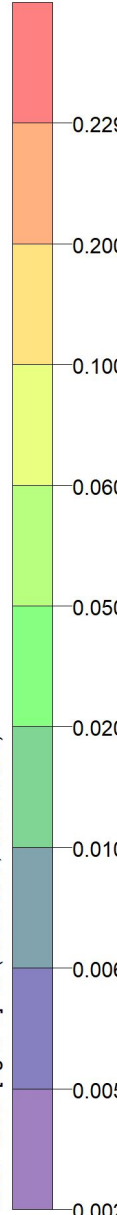
PROJECT NO.:



ug/m³

PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL

Max: 0.229 [ug/m³] at (564377.27, 4228184.94)



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