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April 11, 2019

Hix Snedeker Jamul, LLC
1410 Main Street, Suite C
Ramona, CA 92065

RE: Supplemental Air Quality and Greenhouse Gas Letter – Jamul Commercial Development (PDS2018-MUP-18-008) County of San Diego, CA

This letter will serve to augment the evaluations of the potential environmental impacts associated with the proposed Project's emissions of air quality and greenhouse gases (GHG) in response to the recent changes to the grading quantities identified on the Project's Grading Plans. This Supplemental letter is based on information provided in the original Air Quality and GHG Studies prepared by Ldn Consulting, dated February 25, 2019.

Discussion

The modeling and results of the original Air Quality and GHG Studies were based on earthwork quantities for the overall project consisting of approximately 20,000 cubic yards (CY) of cut and approximately 45,000 CY of soil import for fill or approximately 65,000 cubic yards total.

Updated modeling was conducted based on the most recent earthwork quantities for the overall project consisting of approximately 20,000 CY of cut and approximately 90,000 CY of soil import for fill or approximately 110,000 CY total.

This modification may increase construction duration by up to 15 days during the grading cycle. Based on this, an updated construction schedule is shown in Table 1. Furthermore, the updated CalEEMod modeling inputs and outputs are provided as ***Attachment A***.

This supplemental letter provides updates based on changes in the analysis as a result of the increased grading quantities. These changes include revisions to the project's air quality construction analysis and the amortized construction emissions used to estimate project generated GHG emissions.

Table 1: Expected Construction Equipment

Equipment Identification	Proposed Start	Proposed Complete	Quantity
Site Preparation	03/01/2019	04/01/2019	
Rubber Tired Dozers			3
Tractors/Loaders/Backhoes			4
Grading	04/02/2019	07/01/2019	
Excavators			2
Graders			1
Rubber Tired Dozers			1
Scrapers			2
Tractors/Loaders/Backhoes			2
Paving	07/02/2019	08/05/2019	
Pavers			2
Paving Equipment			2
Rollers			2
Building Construction without Crane	08/06/2019	09/28/2020	
Forklifts			3
Generator Sets			1
Tractors/Loaders/Backhoes			3
Welders			1
Building Construction with Crane	09/16/2019	09/27/2019	
Cranes			1
Architectural Coating	09/19/2019	09/28/2020	
Air Compressor			1
This equipment list is based upon equipment inventory within CalEEMod. The quantity and types are based upon assumptions from Projects of similar size and scope in the County of San Diego.			

Findings

Air Quality

The construction emissions analysis was conducted using the same methodology and durations described in the project's Air Quality Report. Grading amounts represent the only change between the previous analysis and that included in this supplemental analysis. Similarly, included in this analysis is the use of Tier IV diesel construction equipment with diesel particulate filters as a project design feature. Construction emissions in pounds per day from the construction operations and equipment identified are shown in Table 2. Based on these numbers, the project would not exceed County standards at sensitive receptor locations or anywhere around the project site and would not require mitigation to comply. It should be noted that as a design feature, the project construction team will utilize Tier IV construction diesel equipment for this project.

Table 2: Expected Construction Tier IV Emissions Summary – Pounds per Day

Year	ROG	NO _x	CO	SO ₂	PM ₁₀ (Dust)	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Dust)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)
2019	4.091	55.369	45.131	0.202	19.260	0.213	19.271	10.096	0.205	10.107
2020	3.623	4.585	20.136	0.038	0.908	0.021	0.929	0.244	0.020	0.264
Significance Threshold (lb/day)	75	250	550	250	-	-	100	-	-	55
SDAPCD Impact?	No	No	No	No	-	-	No	-	-	No

From a health risk persecuted, based upon the annual air quality modeling outputs, the worst-case Tier IV onsite construction exhaust (PM10) would produce 0.00149 tons over the construction duration (412-working days) or an average of 1.13×10^{-4} grams/second. The average emission rate over the grading area is 2.27×10^{-9} g/m²/s.

Utilizing the SCREEN3 dispersion model, we find that the peak maximum 1-hr concentration is 0.0999 µg/m³ during the worst-case construction period. Converting the peak 1-hr concentration to an annual concentration reduces the concentration to 0.00799 µg/m³. Therefore, utilizing the risk equation in the Air Quality report, the inhalation cancer risk for the point of maximum exposure (187 meters from the project centroid) is 1.60 per one million exposed which does not exceed 10 per one million exposed. Given this, the modification to increase construction 15 days would still generate a less than significant impact. The SCREEN3 Model can be viewed in **Attachment B** to this letter and the Cancer Risk Calculations are shown in **Attachment C**.

Operational and cumulative air quality emissions did not change due to the updated earthwork quantities and modeling. Based on the revised modeling, the project would generate a less than significant impact related to construction emissions, consistent with the conclusions of the previous air quality analysis and less than significant impacts would be expected.

Greenhouse Gas

Similar to the revised air quality analysis, the construction emissions estimate for greenhouse gases were conducted using the same methodology and inputs as the previous analysis, with the exception of the grading assumptions. This analysis provides an updated comparison of the estimated project GHG emissions to the California Air Pollution Control Officers Association (CAPCOA) screening level threshold of 900 metric tons (MT) of carbon dioxide equivalent (CO₂e).

Based on this revised analysis, the project would generate approximately 1,202.10 MT CO₂e over the entire construction period. Based on South Coast Air Quality Management District (SCAQMD) methodology, it is recommended to amortize the construction GHG emissions over an assumed 30 year project life. The amortized annual construction emission would be 40.07 MT CO₂e per year, as shown in Table 3.

Operational emissions would not change from the values presented in the previous analysis as a result of the changes to the project's grading. Annual construction emissions for comparison to the CAPCOA screening level threshold were calculated by adding annual construction emissions, annual operational emissions (from Area, Energy, Mobile, Waste and Water sources), and estimated emissions reductions from the installation of electric vehicle (EV) charging stations. Based on these estimates, the project would generate emissions of 873.46 MT CO₂e annually, as shown in Table 2. Given this, the project would not exceed the CAPCOA's 900 MT screening level and is not expected to result a significant cumulative contribution to global climate change, consistent with the conclusion of the previous Global Climate Change Analysis. The CalEEMod modeling results for the proposed project are also provided in *Attachment A*.

Table 2: Project Emissions Summary MT/Year

Source	Bio-CO ₂	NBio-CO ₂	Total CO ₂	CH ₄	N ₂ O	CO ₂ e (MT/Yr)
Area	0.000	0.004	0.004	0.000	0.000	0.004
Energy	0.000	81.595	81.595	0.003	0.001	81.883
Mobile	0.000	666.680	666.680	0.038	0.000	667.635
Waste	41.042	0.000	41.042	2.426	0.000	101.679
Water	4.168	42.603	46.771	0.430	0.010	60.626
						911.83
3 EV Charging Stations						-78.44
Total (MT/Year)						833.39
Amortized Construction Emissions (Table 5.1 above)						40.07
Total Operations (MT/Year)						873.46
Data is presented in decimal format and may have rounding errors.						

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As noted in the previous Global Climate Change Analysis, the proposed project would result in development that is generally less than what would be allowed under the County's General Plan. Annual operations as a result of General Plan (GP) buildout of the site would generate an estimated 3,347.41 MT of CO₂e annually. The proposed Project would generate 873.46 MT of CO₂e annually, or 2,473.95 MT CO₂e fewer GHG emissions annually than would be generated under a general plan buildout use. Given this, since the project generates fewer emissions than an allowed General Plan use for the site, the project's GHG emissions are assumed to have been anticipated by the General Plan and would therefore result in a less than significant cumulatively considerable increase in GHG emissions, consistent with the conclusions of the previous analysis.

Conclusions

The changes to the earthwork quantities would not change the conclusions of the original Air Quality Study or Global Climate Change Analysis.

Sincerely,
Ldn Consulting, Inc.

Jeremy Loudon, Principal

Attachment A: CalEEMod Modeling results (Summer, Winter and Annual)
Attachment B: SCREEN3 Modeling results (Diesel Particulates Onsite during Construction)
Attachment C: Cancer Risk Calculations

Jamul Commercial - San Diego County, Summer

Jamul Commercial
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	65.00	1000sqft	4.28	65,000.00	0
Parking Lot	83.00	Space	4.00	33,200.00	0
Parking Lot	6.30	1000sqft	1.00	6,300.00	0
Parking Lot	9.00	Space	0.09	3,600.00	0
Hardware/Paint Store	18.80	1000sqft	1.00	18,800.00	0
User Defined Retail	15.00	User Defined Unit	2.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	525.68	CH4 Intensity (lb/MW hr)	0.021	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - RPS

Land Use - 12.37 acres

Construction Phase - cs

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Grading - Import 90,000 CY

Architectural Coating - rule 67 paint

Vehicle Trips - per traffic study

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Rule 67 Paints

Energy Use - Outdoor Retail Areas connected to Tractor Supply will require lighting similar to Parking Areas.

Construction Off-road Equipment Mitigation - Tier 4 and Level 3 DPF

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100

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tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Parking	250	100
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
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tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	300.00	10.00
tblConstructionPhase	NumDays	20.00	268.00
tblEnergyUse	LightingElect	0.00	0.35
tblGrading	AcresOfGrading	162.50	20.00
tblGrading	AcresOfGrading	0.00	20.00
tblGrading	MaterialImported	0.00	90,000.00
tblLandUse	LotAcreage	1.49	4.28
tblLandUse	LotAcreage	0.14	1.00
tblLandUse	LotAcreage	0.75	4.00
tblLandUse	LotAcreage	0.08	0.09

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tblLandUse	LotAcreage	0.43	1.00
tblLandUse	LotAcreage	0.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	720.49	525.68
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TTP	0.00	67.40
tblVehicleTrips	CNW_TTP	0.00	19.00
tblVehicleTrips	CW_TTP	0.00	13.60
tblVehicleTrips	DV_TP	0.00	29.00
tblVehicleTrips	PB_TP	0.00	26.00
tblVehicleTrips	PR_TP	0.00	45.00
tblVehicleTrips	ST_TR	82.52	40.00
tblVehicleTrips	ST_TR	1.68	1.84
tblVehicleTrips	ST_TR	0.00	1.00
tblVehicleTrips	SU_TR	68.65	40.00
tblVehicleTrips	SU_TR	1.68	1.84
tblVehicleTrips	SU_TR	0.00	1.00
tblVehicleTrips	WD_TR	51.29	40.00
tblVehicleTrips	WD_TR	1.68	1.84
tblVehicleTrips	WD_TR	0.00	1.00

2.0 Emissions Summary

Jamul Commercial - San Diego County, Summer

2.1 Overall Construction (Maximum Daily Emission)**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	lb/day										lb/day					
2019	6.3610	106.5891	45.5089	0.2020	19.2603	2.5806	21.6522	10.0958	2.3814	12.2963	0.0000	21,387.44 39	21,387.44 39	3.2766	0.0000	21,469.35 83
2020	5.2927	18.6421	19.9467	0.0381	0.9077	1.0493	1.9570	0.2436	0.9973	1.2409	0.0000	3,708.027 6	3,708.027 6	0.5529	0.0000	3,721.849 8
Maximum	6.3610	106.5891	45.5089	0.2020	19.2603	2.5806	21.6522	10.0958	2.3814	12.2963	0.0000	21,387.44 39	21,387.44 39	3.2766	0.0000	21,469.35 83

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	lb/day										lb/day					
2019	4.0909	55.3690	45.1312	0.2020	19.2603	0.2132	19.2712	10.0958	0.2045	10.1065	0.0000	21,387.44 39	21,387.44 39	3.2766	0.0000	21,469.35 83
2020	3.6229	4.5845	20.1360	0.0381	0.9077	0.0213	0.9290	0.2436	0.0204	0.2641	0.0000	3,708.027 6	3,708.027 6	0.5529	0.0000	3,721.849 8
Maximum	4.0909	55.3690	45.1312	0.2020	19.2603	0.2132	19.2712	10.0958	0.2045	10.1065	0.0000	21,387.44 39	21,387.44 39	3.2766	0.0000	21,469.35 83

	ROG	NOx	CO	SO2	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	33.81	52.13	0.29	0.00	0.00	93.54	14.44	0.00	93.34	23.39	0.00	0.00	0.00	0.00	0.00	0.00

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0266	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460
Energy	4.4500e-003	0.0404	0.0340	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003		48.5009	48.5009	9.3000e-004	8.9000e-004	48.7891
Mobile	1.3279	5.0198	12.9657	0.0415	3.3775	0.0346	3.4121	0.9027	0.0324	0.9351		4,217.2941	4,217.2941	0.2311		4,223.0719
Total	3.3589	5.0604	13.0199	0.0417	3.3775	0.0378	3.4152	0.9027	0.0355	0.9382		4,265.8381	4,265.8381	0.2322	8.9000e-004	4,271.9070

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0266	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460
Energy	4.4500e-003	0.0404	0.0340	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003		48.5009	48.5009	9.3000e-004	8.9000e-004	48.7891
Mobile	1.3279	5.0198	12.9657	0.0415	3.3775	0.0346	3.4121	0.9027	0.0324	0.9351		4,217.2941	4,217.2941	0.2311		4,223.0719
Total	3.3589	5.0604	13.0199	0.0417	3.3775	0.0378	3.4152	0.9027	0.0355	0.9382		4,265.8381	4,265.8381	0.2322	8.9000e-004	4,271.9070

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2019	4/1/2019	5	22	
2	Grading	Grading	4/2/2019	7/1/2019	5	65	
3	Paving	Paving	7/2/2019	8/5/2019	5	25	
4	Building Construction	Building Construction	8/6/2019	9/28/2020	5	300	
5	Building Construction Crane Usage	Building Construction	9/16/2019	9/27/2019	5	10	
6	Architectural Coating	Architectural Coating	9/19/2019	9/28/2020	5	268	

Acres of Grading (Site Preparation Phase): 20

Acres of Grading (Grading Phase): 20

Acres of Paving: 5.09

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 125,700; Non-Residential Outdoor: 41,900; Striped Parking Area: 2,586 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	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
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
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction Crane Usage	Cranes	1	7.00	231	0.29

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	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	11,250.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	51.00	21.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Crane Usage	1	51.00	21.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

Jamul Commercial - San Diego County, Summer

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

3.2 Site Preparation - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.0304	0.0000	19.0304	10.0348	0.0000	10.0348			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	19.0304	2.3904	21.4207	10.0348	2.1991	12.2339		3,766.4529	3,766.4529	1.1917		3,796.2445

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3.2 Site Preparation - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0978	0.0732	0.8189	2.4200e-003	0.2299	1.5800e-003	0.2315	0.0610	1.4500e-003	0.0624		241.2801	241.2801	7.5000e-003		241.4677
Total	0.0978	0.0732	0.8189	2.4200e-003	0.2299	1.5800e-003	0.2315	0.0610	1.4500e-003	0.0624		241.2801	241.2801	7.5000e-003		241.4677

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.0304	0.0000	19.0304	10.0348	0.0000	10.0348			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		9.3100e-003	9.3100e-003		9.3100e-003	9.3100e-003	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	0.4656	2.0175	20.8690	0.0380	19.0304	9.3100e-003	19.0397	10.0348	9.3100e-003	10.0441	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

Jamul Commercial - San Diego County, Summer

3.2 Site Preparation - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0978	0.0732	0.8189	2.4200e-003	0.2299	1.5800e-003	0.2315	0.0610	1.4500e-003	0.0624		241.2801	241.2801	7.5000e-003		241.4677
Total	0.0978	0.0732	0.8189	2.4200e-003	0.2299	1.5800e-003	0.2315	0.0610	1.4500e-003	0.0624		241.2801	241.2801	7.5000e-003		241.4677

3.3 Grading - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5430	0.0000	6.5430	3.3749	0.0000	3.3749			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	6.5430	2.3827	8.9256	3.3749	2.1920	5.5670		6,140.0195	6,140.0195	1.9426		6,188.5854

Jamul Commercial - San Diego County, Summer

3.3 Grading - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5023	51.9876	11.2222	0.1373	3.0244	0.1962	3.2205	0.8289	0.1877	1.0165		14,979.3354	14,979.3354	1.3256		15,012.4755
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1087	0.0814	0.9099	2.6900e-003	0.2555	1.7500e-003	0.2572	0.0678	1.6100e-003	0.0694		268.0890	268.0890	8.3400e-003		268.2974
Total	1.6110	52.0690	12.1321	0.1400	3.2798	0.1979	3.4777	0.8966	0.1893	1.0859		15,247.4244	15,247.4244	1.3339		15,280.7729

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5430	0.0000	6.5430	3.3749	0.0000	3.3749			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.0152	0.0152		0.0152	0.0152	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	0.7616	3.3000	32.9991	0.0620	6.5430	0.0152	6.5582	3.3749	0.0152	3.3902	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

Jamul Commercial - San Diego County, Summer

3.3 Grading - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5023	51.9876	11.2222	0.1373	3.0244	0.1962	3.2205	0.8289	0.1877	1.0165		14,979.3354	14,979.3354	1.3256		15,012.4755
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1087	0.0814	0.9099	2.6900e-003	0.2555	1.7500e-003	0.2572	0.0678	1.6100e-003	0.0694		268.0890	268.0890	8.3400e-003		268.2974
Total	1.6110	52.0690	12.1321	0.1400	3.2798	0.1979	3.4777	0.8966	0.1893	1.0859		15,247.4244	15,247.4244	1.3339		15,280.7729

3.4 Paving - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.5334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9879	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Jamul Commercial - San Diego County, Summer

3.4 Paving - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231
Total	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.5334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8139	1.2154	17.2957	0.0228		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Jamul Commercial - San Diego County, Summer

3.4 Paving - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231
Total	0.0815	0.0610	0.6824	2.0200e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		201.0668	201.0668	6.2500e-003		201.2231

3.5 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9201	15.8227	15.1574	0.0219		1.0671	1.0671		1.0077	1.0077		2,091.7709	2,091.7709	0.4732		2,103.6009
Total	1.9201	15.8227	15.1574	0.0219		1.0671	1.0671		1.0077	1.0077		2,091.7709	2,091.7709	0.4732		2,103.6009

Jamul Commercial - San Diego County, Summer

3.5 Building Construction - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0906	2.4832	0.6389	5.3600e-003	0.1286	0.0165	0.1451	0.0370	0.0158	0.0528		574.3119	574.3119	0.0457		575.4551
Worker	0.2772	0.2075	2.3202	6.8600e-003	0.6514	4.4700e-003	0.6559	0.1728	4.1200e-003	0.1769		683.6270	683.6270	0.0213		684.1584
Total	0.3678	2.6907	2.9591	0.0122	0.7800	0.0210	0.8010	0.2098	0.0199	0.2297		1,257.9389	1,257.9389	0.0670		1,259.6135

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2658	1.9659	15.1859	0.0219		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	2,091.7709	2,091.7709	0.4732		2,103.6009
Total	0.2658	1.9659	15.1859	0.0219		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	2,091.7709	2,091.7709	0.4732		2,103.6009

Jamul Commercial - San Diego County, Summer

3.5 Building Construction - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0906	2.4832	0.6389	5.3600e-003	0.1286	0.0165	0.1451	0.0370	0.0158	0.0528		574.3119	574.3119	0.0457		575.4551
Worker	0.2772	0.2075	2.3202	6.8600e-003	0.6514	4.4700e-003	0.6559	0.1728	4.1200e-003	0.1769		683.6270	683.6270	0.0213		684.1584
Total	0.3678	2.6907	2.9591	0.0122	0.7800	0.0210	0.8010	0.2098	0.0199	0.2297		1,257.9389	1,257.9389	0.0670		1,259.6135

3.5 Building Construction - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7231	14.4685	14.9976	0.0219		0.9226	0.9226		0.8714	0.8714		2,064.1221	2,064.1221	0.4647		2,075.7402
Total	1.7231	14.4685	14.9976	0.0219		0.9226	0.9226		0.8714	0.8714		2,064.1221	2,064.1221	0.4647		2,075.7402

Jamul Commercial - San Diego County, Summer

3.5 Building Construction - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0738	2.2657	0.5738	5.3100e-003	0.1286	0.0106	0.1391	0.0370	0.0101	0.0471		570.6061	570.6061	0.0433		571.6895
Worker	0.2594	0.1874	2.1269	6.6400e-003	0.6514	4.4000e-003	0.6558	0.1728	4.0500e-003	0.1768		662.0397	662.0397	0.0193		662.5212
Total	0.3332	2.4531	2.7007	0.0120	0.7800	0.0150	0.7950	0.2098	0.0141	0.2239		1,232.6457	1,232.6457	0.0626		1,234.2106

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2658	1.9659	15.1859	0.0219		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	2,064.1221	2,064.1221	0.4647		2,075.7402
Total	0.2658	1.9659	15.1859	0.0219		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	2,064.1221	2,064.1221	0.4647		2,075.7402

Jamul Commercial - San Diego County, Summer

3.5 Building Construction - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0738	2.2657	0.5738	5.3100e-003	0.1286	0.0106	0.1391	0.0370	0.0101	0.0471		570.6061	570.6061	0.0433		571.6895
Worker	0.2594	0.1874	2.1269	6.6400e-003	0.6514	4.4000e-003	0.6558	0.1728	4.0500e-003	0.1768		662.0397	662.0397	0.0193		662.5212
Total	0.3332	2.4531	2.7007	0.0120	0.7800	0.0150	0.7950	0.2098	0.0141	0.2239		1,232.6457	1,232.6457	0.0626		1,234.2106

3.6 Building Construction Crane Usage - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4410	5.2561	2.0064	5.0500e-003		0.2228	0.2228		0.2050	0.2050		499.8093	499.8093	0.1581		503.7626
Total	0.4410	5.2561	2.0064	5.0500e-003		0.2228	0.2228		0.2050	0.2050		499.8093	499.8093	0.1581		503.7626

Jamul Commercial - San Diego County, Summer

3.6 Building Construction Crane Usage - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0906	2.4832	0.6389	5.3600e-003	0.1286	0.0165	0.1451	0.0370	0.0158	0.0528		574.3119	574.3119	0.0457		575.4551
Worker	0.2772	0.2075	2.3202	6.8600e-003	0.6514	4.4700e-003	0.6559	0.1728	4.1200e-003	0.1769		683.6270	683.6270	0.0213		684.1584
Total	0.3678	2.6907	2.9591	0.0122	0.7800	0.0210	0.8010	0.2098	0.0199	0.2297		1,257.9389	1,257.9389	0.0670		1,259.6135

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0620	0.2688	2.2744	5.0500e-003		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	499.8093	499.8093	0.1581		503.7626
Total	0.0620	0.2688	2.2744	5.0500e-003		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	499.8093	499.8093	0.1581		503.7626

Jamul Commercial - San Diego County, Summer

3.6 Building Construction Crane Usage - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0906	2.4832	0.6389	5.3600e-003	0.1286	0.0165	0.1451	0.0370	0.0158	0.0528		574.3119	574.3119	0.0457		575.4551
Worker	0.2772	0.2075	2.3202	6.8600e-003	0.6514	4.4700e-003	0.6559	0.1728	4.1200e-003	0.1769		683.6270	683.6270	0.0213		684.1584
Total	0.3678	2.6907	2.9591	0.0122	0.7800	0.0210	0.8010	0.2098	0.0199	0.2297		1,257.9389	1,257.9389	0.0670		1,259.6135

3.7 Architectural Coating - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.9433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	3.2098	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Jamul Commercial - San Diego County, Summer

3.7 Architectural Coating - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0544	0.0407	0.4549	1.3500e-003	0.1277	8.8000e-004	0.1286	0.0339	8.1000e-004	0.0347		134.0445	134.0445	4.1700e-003		134.1487
Total	0.0544	0.0407	0.4549	1.3500e-003	0.1277	8.8000e-004	0.1286	0.0339	8.1000e-004	0.0347		134.0445	134.0445	4.1700e-003		134.1487

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.9433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	281.4481	281.4481	0.0238		282.0423
Total	2.9730	0.1288	1.8324	2.9700e-003		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	281.4481	281.4481	0.0238		282.0423

Jamul Commercial - San Diego County, Summer

3.7 Architectural Coating - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0544	0.0407	0.4549	1.3500e-003	0.1277	8.8000e-004	0.1286	0.0339	8.1000e-004	0.0347		134.0445	134.0445	4.1700e-003		134.1487
Total	0.0544	0.0407	0.4549	1.3500e-003	0.1277	8.8000e-004	0.1286	0.0339	8.1000e-004	0.0347		134.0445	134.0445	4.1700e-003		134.1487

3.7 Architectural Coating - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.9433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	3.1855	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Jamul Commercial - San Diego County, Summer

3.7 Architectural Coating - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0509	0.0367	0.4170	1.3000e-003	0.1277	8.6000e-004	0.1286	0.0339	7.9000e-004	0.0347		129.8117	129.8117	3.7800e-003		129.9061
Total	0.0509	0.0367	0.4170	1.3000e-003	0.1277	8.6000e-004	0.1286	0.0339	7.9000e-004	0.0347		129.8117	129.8117	3.7800e-003		129.9061

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.9433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	281.4481	281.4481	0.0218		281.9928
Total	2.9730	0.1288	1.8324	2.9700e-003		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	281.4481	281.4481	0.0218		281.9928

Jamul Commercial - San Diego County, Summer

3.7 Architectural Coating - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0509	0.0367	0.4170	1.3000e-003	0.1277	8.6000e-004	0.1286	0.0339	7.9000e-004	0.0347		129.8117	129.8117	3.7800e-003		129.9061
Total	0.0509	0.0367	0.4170	1.3000e-003	0.1277	8.6000e-004	0.1286	0.0339	7.9000e-004	0.0347		129.8117	129.8117	3.7800e-003		129.9061

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Jamul Commercial - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3279	5.0198	12.9657	0.0415	3.3775	0.0346	3.4121	0.9027	0.0324	0.9351		4,217.294 1	4,217.294 1	0.2311		4,223.071 9
Unmitigated	1.3279	5.0198	12.9657	0.0415	3.3775	0.0346	3.4121	0.9027	0.0324	0.9351		4,217.294 1	4,217.294 1	0.2311		4,223.071 9

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hardware/Paint Store	752.00	752.00	752.00	1,108,622	1,108,622
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	119.60	119.60	119.60	462,071	462,071
User Defined Retail	15.00	15.00	15.00	22,113	22,113
Total	886.60	886.60	886.60	1,592,806	1,592,806

4.3 Trip Type Information

Jamul Commercial - San Diego County, Summer

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
Hardware/Paint Store	14.70	6.60	6.60	13.60	67.40	19.00	45	29	26
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	14.70	6.60	6.60	59.00	0.00	41.00	92	5	3
User Defined Retail	14.70	6.60	6.60	13.60	67.40	19.00	45	29	26

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hardware/Paint Store	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193
Parking Lot	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193
Unrefrigerated Warehouse-No Rail	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193
User Defined Retail	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Jamul Commercial - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	4.4500e-003	0.0404	0.0340	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003		48.5009	48.5009	9.3000e-004	8.9000e-004	48.7891
NaturalGas Unmitigated	4.4500e-003	0.0404	0.0340	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003		48.5009	48.5009	9.3000e-004	8.9000e-004	48.7891

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hardware/Paint Store	114.86	1.2400e-003	0.0113	9.4600e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.5130	13.5130	2.6000e-004	2.5000e-004	13.5933
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
Unrefrigerated Warehouse-No Rail	297.397	3.2100e-003	0.0292	0.0245	1.7000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		34.9879	34.9879	6.7000e-004	6.4000e-004	35.1958
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.4500e-003	0.0404	0.0340	2.4000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003		48.5009	48.5009	9.3000e-004	8.9000e-004	48.7891

Jamul Commercial - San Diego County, Summer

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hardware/Paint Store	0.11486	1.2400e-003	0.0113	9.4600e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.5130	13.5130	2.6000e-004	2.5000e-004	13.5933
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
Unrefrigerated Warehouse-No Rail	0.297397	3.2100e-003	0.0292	0.0245	1.7000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		34.9879	34.9879	6.7000e-004	6.4000e-004	35.1958
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.4500e-003	0.0404	0.0340	2.4000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003		48.5009	48.5009	9.3000e-004	8.9000e-004	48.7891

6.0 Area Detail**6.1 Mitigation Measures Area**

Jamul Commercial - San Diego County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0266	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460
Unmitigated	2.0266	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		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	lb/day										lb/day					
Architectural Coating	0.2161					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8900e-003	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460
Total	2.0266	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460

Jamul Commercial - San Diego County, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2161					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8900e-003	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460
Total	2.0266	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Jamul Commercial - San Diego County, Summer

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Jamul Commercial - San Diego County, Winter

Jamul Commercial

San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	65.00	1000sqft	4.28	65,000.00	0
Parking Lot	83.00	Space	4.00	33,200.00	0
Parking Lot	6.30	1000sqft	1.00	6,300.00	0
Parking Lot	9.00	Space	0.09	3,600.00	0
Hardware/Paint Store	18.80	1000sqft	1.00	18,800.00	0
User Defined Retail	15.00	User Defined Unit	2.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW hr)	525.68	CH4 Intensity (lb/MW hr)	0.021	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Jamul Commercial - San Diego County, Winter

Project Characteristics - RPS

Land Use - 12.37 acres

Construction Phase - cs

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Grading - Import 90,000 CY

Architectural Coating - rule 67 paint

Vehicle Trips - per traffic study

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Rule 67 Paints

Energy Use - Outdoor Retail Areas connected to Tractor Supply will require lighting similar to Parking Areas.

Construction Off-road Equipment Mitigation - Tier 4 and Level 3 DPF

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100

Jamul Commercial - San Diego County, Winter

tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Parking	250	100
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00

Jamul Commercial - San Diego County, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	300.00	10.00
tblConstructionPhase	NumDays	20.00	268.00
tblEnergyUse	LightingElect	0.00	0.35
tblGrading	AcresOfGrading	162.50	20.00
tblGrading	AcresOfGrading	0.00	20.00
tblGrading	MaterialImported	0.00	90,000.00
tblLandUse	LotAcreage	1.49	4.28
tblLandUse	LotAcreage	0.14	1.00
tblLandUse	LotAcreage	0.75	4.00
tblLandUse	LotAcreage	0.08	0.09

Jamul Commercial - San Diego County, Winter

tblLandUse	LotAcreage	0.43	1.00
tblLandUse	LotAcreage	0.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	720.49	525.68
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TTP	0.00	67.40
tblVehicleTrips	CNW_TTP	0.00	19.00
tblVehicleTrips	CW_TTP	0.00	13.60
tblVehicleTrips	DV_TP	0.00	29.00
tblVehicleTrips	PB_TP	0.00	26.00
tblVehicleTrips	PR_TP	0.00	45.00
tblVehicleTrips	ST_TR	82.52	40.00
tblVehicleTrips	ST_TR	1.68	1.84
tblVehicleTrips	ST_TR	0.00	1.00
tblVehicleTrips	SU_TR	68.65	40.00
tblVehicleTrips	SU_TR	1.68	1.84
tblVehicleTrips	SU_TR	0.00	1.00
tblVehicleTrips	WD_TR	51.29	40.00
tblVehicleTrips	WD_TR	1.68	1.84
tblVehicleTrips	WD_TR	0.00	1.00

2.0 Emissions Summary

Jamul Commercial - San Diego County, Winter

2.1 Overall Construction (Maximum Daily Emission)**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	lb/day										lb/day					
2019	6.4650	107.1319	46.2454	0.1995	19.2603	2.5852	21.6522	10.0958	2.3857	12.2963	0.0000	21,118.85 34	21,118.85 34	3.3241	0.0000	21,201.95 50
2020	5.3459	18.6640	19.8186	0.0375	0.9077	1.0495	1.9573	0.2436	0.9975	1.2411	0.0000	3,643.297 6	3,643.297 6	0.5543	0.0000	3,657.155 3
Maximum	6.4650	107.1319	46.2454	0.1995	19.2603	2.5852	21.6522	10.0958	2.3857	12.2963	0.0000	21,118.85 34	21,118.85 34	3.3241	0.0000	21,201.95 50

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	lb/day										lb/day					
2019	4.1949	55.9117	45.8677	0.1995	19.2603	0.2178	19.2712	10.0958	0.2089	10.1065	0.0000	21,118.85 34	21,118.85 34	3.3241	0.0000	21,201.95 49
2020	3.6761	4.6064	20.0079	0.0375	0.9077	0.0215	0.9292	0.2436	0.0206	0.2643	0.0000	3,643.297 6	3,643.297 6	0.5543	0.0000	3,657.155 3
Maximum	4.1949	55.9117	45.8677	0.1995	19.2603	0.2178	19.2712	10.0958	0.2089	10.1065	0.0000	21,118.85 34	21,118.85 34	3.3241	0.0000	21,201.95 49

	ROG	NOx	CO	SO2	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	33.36	51.89	0.29	0.00	0.00	93.42	14.44	0.00	93.22	23.39	0.00	0.00	0.00	0.00	0.00	0.00

Jamul Commercial - San Diego County, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0266	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460
Energy	4.4500e-003	0.0404	0.0340	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003		48.5009	48.5009	9.3000e-004	8.9000e-004	48.7891
Mobile	1.2873	5.1218	13.1067	0.0393	3.3775	0.0350	3.4124	0.9027	0.0327	0.9354		3,995.2383	3,995.2383	0.2351		4,001.1156
Total	3.3184	5.1624	13.1609	0.0396	3.3775	0.0381	3.4156	0.9027	0.0358	0.9385		4,043.7824	4,043.7824	0.2361	8.9000e-004	4,049.9507

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0266	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460
Energy	4.4500e-003	0.0404	0.0340	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003		48.5009	48.5009	9.3000e-004	8.9000e-004	48.7891
Mobile	1.2873	5.1218	13.1067	0.0393	3.3775	0.0350	3.4124	0.9027	0.0327	0.9354		3,995.2383	3,995.2383	0.2351		4,001.1156
Total	3.3184	5.1624	13.1609	0.0396	3.3775	0.0381	3.4156	0.9027	0.0358	0.9385		4,043.7824	4,043.7824	0.2361	8.9000e-004	4,049.9507

Jamul Commercial - San Diego County, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2019	4/1/2019	5	22	
2	Grading	Grading	4/2/2019	7/1/2019	5	65	
3	Paving	Paving	7/2/2019	8/5/2019	5	25	
4	Building Construction	Building Construction	8/6/2019	9/28/2020	5	300	
5	Building Construction Crane Usage	Building Construction	9/16/2019	9/27/2019	5	10	
6	Architectural Coating	Architectural Coating	9/19/2019	9/28/2020	5	268	

Acres of Grading (Site Preparation Phase): 20

Acres of Grading (Grading Phase): 20

Acres of Paving: 5.09

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 125,700; Non-Residential Outdoor: 41,900; Striped Parking Area: 2,586 (Architectural Coating – sqft)

OffRoad Equipment

Jamul Commercial - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	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
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
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction Crane Usage	Cranes	1	7.00	231	0.29

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	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	11,250.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	51.00	21.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Crane Usage	1	51.00	21.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

Jamul Commercial - San Diego County, Winter

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

3.2 Site Preparation - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.0304	0.0000	19.0304	10.0348	0.0000	10.0348			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	19.0304	2.3904	21.4207	10.0348	2.1991	12.2339		3,766.4529	3,766.4529	1.1917		3,796.2445

Jamul Commercial - San Diego County, Winter

3.2 Site Preparation - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1132	0.0822	0.7579	2.2700e-003	0.2299	1.5800e-003	0.2315	0.0610	1.4500e-003	0.0624		226.4090	226.4090	7.0500e-003		226.5852
Total	0.1132	0.0822	0.7579	2.2700e-003	0.2299	1.5800e-003	0.2315	0.0610	1.4500e-003	0.0624		226.4090	226.4090	7.0500e-003		226.5852

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.0304	0.0000	19.0304	10.0348	0.0000	10.0348			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		9.3100e-003	9.3100e-003		9.3100e-003	9.3100e-003	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	0.4656	2.0175	20.8690	0.0380	19.0304	9.3100e-003	19.0397	10.0348	9.3100e-003	10.0441	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

Jamul Commercial - San Diego County, Winter

3.2 Site Preparation - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1132	0.0822	0.7579	2.2700e-003	0.2299	1.5800e-003	0.2315	0.0610	1.4500e-003	0.0624		226.4090	226.4090	7.0500e-003		226.5852
Total	0.1132	0.0822	0.7579	2.2700e-003	0.2299	1.5800e-003	0.2315	0.0610	1.4500e-003	0.0624		226.4090	226.4090	7.0500e-003		226.5852

3.3 Grading - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5430	0.0000	6.5430	3.3749	0.0000	3.3749			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	6.5430	2.3827	8.9256	3.3749	2.1920	5.5670		6,140.0195	6,140.0195	1.9426		6,188.5854

Jamul Commercial - San Diego County, Winter

3.3 Grading - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5447	52.5204	12.0265	0.1350	3.0244	0.2008	3.2251	0.8289	0.1921	1.0209		14,727.2684	14,727.2684	1.3736		14,761.6082
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1258	0.0913	0.8421	2.5200e-003	0.2555	1.7500e-003	0.2572	0.0678	1.6100e-003	0.0694		251.5655	251.5655	7.8300e-003		251.7613
Total	1.6705	52.6117	12.8686	0.1375	3.2798	0.2025	3.4823	0.8966	0.1937	1.0903		14,978.8339	14,978.8339	1.3814		15,013.3695

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5430	0.0000	6.5430	3.3749	0.0000	3.3749			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.0152	0.0152		0.0152	0.0152	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	0.7616	3.3000	32.9991	0.0620	6.5430	0.0152	6.5582	3.3749	0.0152	3.3902	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

Jamul Commercial - San Diego County, Winter

3.3 Grading - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.5447	52.5204	12.0265	0.1350	3.0244	0.2008	3.2251	0.8289	0.1921	1.0209		14,727.2684	14,727.2684	1.3736		14,761.6082
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1258	0.0913	0.8421	2.5200e-003	0.2555	1.7500e-003	0.2572	0.0678	1.6100e-003	0.0694		251.5655	251.5655	7.8300e-003		251.7613
Total	1.6705	52.6117	12.8686	0.1375	3.2798	0.2025	3.4823	0.8966	0.1937	1.0903		14,978.8339	14,978.8339	1.3814		15,013.3695

3.4 Paving - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.5334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9879	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Jamul Commercial - San Diego County, Winter

3.4 Paving - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210
Total	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.5334					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8139	1.2154	17.2957	0.0228		5.6100e-003	5.6100e-003		5.6100e-003	5.6100e-003	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Jamul Commercial - San Diego County, Winter

3.4 Paving - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210
Total	0.0944	0.0685	0.6316	1.8900e-003	0.1916	1.3100e-003	0.1929	0.0508	1.2100e-003	0.0520		188.6741	188.6741	5.8700e-003		188.8210

3.5 Building Construction - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9201	15.8227	15.1574	0.0219		1.0671	1.0671		1.0077	1.0077		2,091.7709	2,091.7709	0.4732		2,103.6009
Total	1.9201	15.8227	15.1574	0.0219		1.0671	1.0671		1.0077	1.0077		2,091.7709	2,091.7709	0.4732		2,103.6009

Jamul Commercial - San Diego County, Winter

3.5 Building Construction - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0947	2.4811	0.7124	5.2100e-003	0.1286	0.0168	0.1454	0.0370	0.0161	0.0531		558.5275	558.5275	0.0488		559.7474
Worker	0.3208	0.2329	2.1474	6.4400e-003	0.6514	4.4700e-003	0.6559	0.1728	4.1200e-003	0.1769		641.4920	641.4920	0.0200		641.9913
Total	0.4156	2.7140	2.8598	0.0117	0.7800	0.0213	0.8013	0.2098	0.0202	0.2300		1,200.0196	1,200.0196	0.0688		1,201.7387

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2658	1.9659	15.1859	0.0219		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	2,091.7709	2,091.7709	0.4732		2,103.6009
Total	0.2658	1.9659	15.1859	0.0219		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	2,091.7709	2,091.7709	0.4732		2,103.6009

Jamul Commercial - San Diego County, Winter

3.5 Building Construction - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0947	2.4811	0.7124	5.2100e-003	0.1286	0.0168	0.1454	0.0370	0.0161	0.0531		558.5275	558.5275	0.0488		559.7474
Worker	0.3208	0.2329	2.1474	6.4400e-003	0.6514	4.4700e-003	0.6559	0.1728	4.1200e-003	0.1769		641.4920	641.4920	0.0200		641.9913
Total	0.4156	2.7140	2.8598	0.0117	0.7800	0.0213	0.8013	0.2098	0.0202	0.2300		1,200.0196	1,200.0196	0.0688		1,201.7387

3.5 Building Construction - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7231	14.4685	14.9976	0.0219		0.9226	0.9226		0.8714	0.8714		2,064.1221	2,064.1221	0.4647		2,075.7402
Total	1.7231	14.4685	14.9976	0.0219		0.9226	0.9226		0.8714	0.8714		2,064.1221	2,064.1221	0.4647		2,075.7402

Jamul Commercial - San Diego County, Winter

3.5 Building Construction - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0775	2.2602	0.6404	5.1700e-003	0.1286	0.0108	0.1394	0.0370	0.0103	0.0473		554.6925	554.6925	0.0462		555.8474
Worker	0.3008	0.2103	1.9641	6.2300e-003	0.6514	4.4000e-003	0.6558	0.1728	4.0500e-003	0.1768		621.2259	621.2259	0.0181		621.6773
Total	0.3783	2.4705	2.6045	0.0114	0.7800	0.0152	0.7952	0.2098	0.0144	0.2241		1,175.9184	1,175.9184	0.0643		1,177.5248

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2658	1.9659	15.1859	0.0219		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	2,064.1221	2,064.1221	0.4647		2,075.7402
Total	0.2658	1.9659	15.1859	0.0219		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	2,064.1221	2,064.1221	0.4647		2,075.7402

Jamul Commercial - San Diego County, Winter

3.5 Building Construction - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0775	2.2602	0.6404	5.1700e-003	0.1286	0.0108	0.1394	0.0370	0.0103	0.0473		554.6925	554.6925	0.0462		555.8474
Worker	0.3008	0.2103	1.9641	6.2300e-003	0.6514	4.4000e-003	0.6558	0.1728	4.0500e-003	0.1768		621.2259	621.2259	0.0181		621.6773
Total	0.3783	2.4705	2.6045	0.0114	0.7800	0.0152	0.7952	0.2098	0.0144	0.2241		1,175.9184	1,175.9184	0.0643		1,177.5248

3.6 Building Construction Crane Usage - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4410	5.2561	2.0064	5.0500e-003		0.2228	0.2228		0.2050	0.2050		499.8093	499.8093	0.1581		503.7626
Total	0.4410	5.2561	2.0064	5.0500e-003		0.2228	0.2228		0.2050	0.2050		499.8093	499.8093	0.1581		503.7626

Jamul Commercial - San Diego County, Winter

3.6 Building Construction Crane Usage - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0947	2.4811	0.7124	5.2100e-003	0.1286	0.0168	0.1454	0.0370	0.0161	0.0531		558.5275	558.5275	0.0488		559.7474
Worker	0.3208	0.2329	2.1474	6.4400e-003	0.6514	4.4700e-003	0.6559	0.1728	4.1200e-003	0.1769		641.4920	641.4920	0.0200		641.9913
Total	0.4156	2.7140	2.8598	0.0117	0.7800	0.0213	0.8013	0.2098	0.0202	0.2300		1,200.0196	1,200.0196	0.0688		1,201.7387

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0620	0.2688	2.2744	5.0500e-003		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	499.8093	499.8093	0.1581		503.7626
Total	0.0620	0.2688	2.2744	5.0500e-003		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	499.8093	499.8093	0.1581		503.7626

Jamul Commercial - San Diego County, Winter

3.6 Building Construction Crane Usage - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0947	2.4811	0.7124	5.2100e-003	0.1286	0.0168	0.1454	0.0370	0.0161	0.0531		558.5275	558.5275	0.0488		559.7474
Worker	0.3208	0.2329	2.1474	6.4400e-003	0.6514	4.4700e-003	0.6559	0.1728	4.1200e-003	0.1769		641.4920	641.4920	0.0200		641.9913
Total	0.4156	2.7140	2.8598	0.0117	0.7800	0.0213	0.8013	0.2098	0.0202	0.2300		1,200.0196	1,200.0196	0.0688		1,201.7387

3.7 Architectural Coating - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.9433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	3.2098	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Jamul Commercial - San Diego County, Winter

3.7 Architectural Coating - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0629	0.0457	0.4211	1.2600e-003	0.1277	8.8000e-004	0.1286	0.0339	8.1000e-004	0.0347		125.7828	125.7828	3.9200e-003		125.8807
Total	0.0629	0.0457	0.4211	1.2600e-003	0.1277	8.8000e-004	0.1286	0.0339	8.1000e-004	0.0347		125.7828	125.7828	3.9200e-003		125.8807

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.9433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	281.4481	281.4481	0.0238		282.0423
Total	2.9730	0.1288	1.8324	2.9700e-003		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	281.4481	281.4481	0.0238		282.0423

Jamul Commercial - San Diego County, Winter

3.7 Architectural Coating - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0629	0.0457	0.4211	1.2600e-003	0.1277	8.8000e-004	0.1286	0.0339	8.1000e-004	0.0347		125.7828	125.7828	3.9200e-003		125.8807
Total	0.0629	0.0457	0.4211	1.2600e-003	0.1277	8.8000e-004	0.1286	0.0339	8.1000e-004	0.0347		125.7828	125.7828	3.9200e-003		125.8807

3.7 Architectural Coating - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.9433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	3.1855	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Jamul Commercial - San Diego County, Winter

3.7 Architectural Coating - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0590	0.0412	0.3851	1.2200e-003	0.1277	8.6000e-004	0.1286	0.0339	7.9000e-004	0.0347		121.8090	121.8090	3.5400e-003		121.8975
Total	0.0590	0.0412	0.3851	1.2200e-003	0.1277	8.6000e-004	0.1286	0.0339	7.9000e-004	0.0347		121.8090	121.8090	3.5400e-003		121.8975

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.9433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	281.4481	281.4481	0.0218		281.9928
Total	2.9730	0.1288	1.8324	2.9700e-003		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	281.4481	281.4481	0.0218		281.9928

Jamul Commercial - San Diego County, Winter

3.7 Architectural Coating - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0590	0.0412	0.3851	1.2200e-003	0.1277	8.6000e-004	0.1286	0.0339	7.9000e-004	0.0347		121.8090	121.8090	3.5400e-003		121.8975
Total	0.0590	0.0412	0.3851	1.2200e-003	0.1277	8.6000e-004	0.1286	0.0339	7.9000e-004	0.0347		121.8090	121.8090	3.5400e-003		121.8975

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Jamul Commercial - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2873	5.1218	13.1067	0.0393	3.3775	0.0350	3.4124	0.9027	0.0327	0.9354		3,995.238 3	3,995.238 3	0.2351		4,001.115 6
Unmitigated	1.2873	5.1218	13.1067	0.0393	3.3775	0.0350	3.4124	0.9027	0.0327	0.9354		3,995.238 3	3,995.238 3	0.2351		4,001.115 6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hardware/Paint Store	752.00	752.00	752.00	1,108,622	1,108,622
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	119.60	119.60	119.60	462,071	462,071
User Defined Retail	15.00	15.00	15.00	22,113	22,113
Total	886.60	886.60	886.60	1,592,806	1,592,806

4.3 Trip Type Information

Jamul Commercial - San Diego County, Winter

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
Hardware/Paint Store	14.70	6.60	6.60	13.60	67.40	19.00	45	29	26
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	14.70	6.60	6.60	59.00	0.00	41.00	92	5	3
User Defined Retail	14.70	6.60	6.60	13.60	67.40	19.00	45	29	26

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hardware/Paint Store	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193
Parking Lot	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193
Unrefrigerated Warehouse-No Rail	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193
User Defined Retail	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Jamul Commercial - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	4.4500e-003	0.0404	0.0340	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003		48.5009	48.5009	9.3000e-004	8.9000e-004	48.7891
NaturalGas Unmitigated	4.4500e-003	0.0404	0.0340	2.4000e-004		3.0700e-003	3.0700e-003		3.0700e-003	3.0700e-003		48.5009	48.5009	9.3000e-004	8.9000e-004	48.7891

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hardware/Paint Store	114.86	1.2400e-003	0.0113	9.4600e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.5130	13.5130	2.6000e-004	2.5000e-004	13.5933
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
Unrefrigerated Warehouse-No Rail	297.397	3.2100e-003	0.0292	0.0245	1.7000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		34.9879	34.9879	6.7000e-004	6.4000e-004	35.1958
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.4500e-003	0.0404	0.0340	2.4000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003		48.5009	48.5009	9.3000e-004	8.9000e-004	48.7891

Jamul Commercial - San Diego County, Winter

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hardware/Paint Store	0.11486	1.2400e-003	0.0113	9.4600e-003	7.0000e-005		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004		13.5130	13.5130	2.6000e-004	2.5000e-004	13.5933
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
Unrefrigerated Warehouse-No Rail	0.297397	3.2100e-003	0.0292	0.0245	1.7000e-004		2.2200e-003	2.2200e-003		2.2200e-003	2.2200e-003		34.9879	34.9879	6.7000e-004	6.4000e-004	35.1958
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.4500e-003	0.0404	0.0340	2.4000e-004		3.0800e-003	3.0800e-003		3.0800e-003	3.0800e-003		48.5009	48.5009	9.3000e-004	8.9000e-004	48.7891

6.0 Area Detail**6.1 Mitigation Measures Area**

Jamul Commercial - San Diego County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0266	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460
Unmitigated	2.0266	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		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	lb/day										lb/day					
Architectural Coating	0.2161					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8900e-003	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460
Total	2.0266	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460

Jamul Commercial - San Diego County, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2161					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.8086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8900e-003	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460
Total	2.0266	1.9000e-004	0.0202	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0431	0.0431	1.1000e-004		0.0460

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Jamul Commercial - San Diego County, Winter

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

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Jamul Commercial
San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	65.00	1000sqft	4.28	65,000.00	0
Parking Lot	83.00	Space	4.00	33,200.00	0
Parking Lot	6.30	1000sqft	1.00	6,300.00	0
Parking Lot	9.00	Space	0.09	3,600.00	0
Hardware/Paint Store	18.80	1000sqft	1.00	18,800.00	0
User Defined Retail	15.00	User Defined Unit	2.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2021
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW/hr)	525.68	CH4 Intensity (lb/MW/hr)	0.021	N2O Intensity (lb/MW/hr)	0.004

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - RPS

Land Use - 12.37 acres

Construction Phase - cs

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Grading - Import 90,000 CY

Architectural Coating - rule 67 paint

Vehicle Trips - per traffic study

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Rule 67 Paints

Energy Use - Outdoor Retail Areas connected to Tractor Supply will require lighting similar to Parking Areas.

Construction Off-road Equipment Mitigation - Tier 4 and Level 3 DPF

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100

Jamul Commercial - San Diego County, Annual

tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Parking	250	100
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
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tblConstEquipMitigation	DPF	No Change	Level 3
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00

Jamul Commercial - San Diego County, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	300.00	10.00
tblConstructionPhase	NumDays	20.00	268.00
tblEnergyUse	LightingElect	0.00	0.35
tblGrading	AcresOfGrading	162.50	20.00
tblGrading	AcresOfGrading	0.00	20.00
tblGrading	MaterialImported	0.00	90,000.00
tblLandUse	LotAcreage	1.49	4.28
tblLandUse	LotAcreage	0.14	1.00
tblLandUse	LotAcreage	0.75	4.00
tblLandUse	LotAcreage	0.08	0.09

Jamul Commercial - San Diego County, Annual

tblLandUse	LotAcreage	0.43	1.00
tblLandUse	LotAcreage	0.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.021
tblProjectCharacteristics	CO2IntensityFactor	720.49	525.68
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	CC_TTP	0.00	67.40
tblVehicleTrips	CNW_TTP	0.00	19.00
tblVehicleTrips	CW_TTP	0.00	13.60
tblVehicleTrips	DV_TP	0.00	29.00
tblVehicleTrips	PB_TP	0.00	26.00
tblVehicleTrips	PR_TP	0.00	45.00
tblVehicleTrips	ST_TR	82.52	40.00
tblVehicleTrips	ST_TR	1.68	1.84
tblVehicleTrips	ST_TR	0.00	1.00
tblVehicleTrips	SU_TR	68.65	40.00
tblVehicleTrips	SU_TR	1.68	1.84
tblVehicleTrips	SU_TR	0.00	1.00
tblVehicleTrips	WD_TR	51.29	40.00
tblVehicleTrips	WD_TR	1.68	1.84
tblVehicleTrips	WD_TR	0.00	1.00

2.0 Emissions Summary

Jamul Commercial - San Diego County, Annual

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					
2019	0.5282	5.2856	2.9923	9.3100e-003	0.5800	0.1843	0.7642	0.2631	0.1716	0.4346	0.0000	875.1806	875.1806	0.1453	0.0000	878.8125
2020	0.5141	1.8127	1.9207	3.6500e-003	0.0860	0.1018	0.1878	0.0231	0.0967	0.1199	0.0000	322.0692	322.0692	0.0487	0.0000	323.2856
Maximum	0.5282	5.2856	2.9923	9.3100e-003	0.5800	0.1843	0.7642	0.2631	0.1716	0.4346	0.0000	875.1806	875.1806	0.1453	0.0000	878.8125

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					
2019	0.2434	2.1439	3.0023	9.3100e-003	0.5800	8.7400e-003	0.5887	0.2631	8.3900e-003	0.2715	0.0000	875.1801	875.1801	0.1453	0.0000	878.8121
2020	0.3521	0.4491	1.9390	3.6500e-003	0.0860	2.0700e-003	0.0881	0.0231	1.9900e-003	0.0251	0.0000	322.0690	322.0690	0.0487	0.0000	323.2854
Maximum	0.3521	2.1439	3.0023	9.3100e-003	0.5800	8.7400e-003	0.5887	0.2631	8.3900e-003	0.2715	0.0000	875.1801	875.1801	0.1453	0.0000	878.8121

	ROG	NOx	CO	SO2	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	42.87	63.47	-0.58	0.00	0.00	96.22	28.91	0.00	96.13	46.51	0.00	0.00	0.00	0.00	0.00	0.00

Jamul Commercial - San Diego County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2019	3-31-2019	0.5547	0.0297
2	4-1-2019	6-30-2019	3.6481	1.8569
3	7-1-2019	9-30-2019	0.9082	0.2496
4	10-1-2019	12-31-2019	1.1452	0.3953
5	1-1-2020	3-31-2020	0.7803	0.2692
6	4-1-2020	6-30-2020	0.7779	0.2667
7	7-1-2020	9-30-2020	0.7693	0.2638
		Highest	3.6481	1.8569

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3697	2.0000e-005	1.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5200e-003	3.5200e-003	1.0000e-005	0.0000	3.7600e-003
Energy	8.1000e-004	7.3800e-003	6.2000e-003	4.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	124.5012	124.5012	4.8100e-003	1.0300e-003	124.9293
Mobile	0.2276	0.9365	2.3417	7.2300e-003	0.6003	6.3200e-003	0.6066	0.1608	5.9100e-003	0.1667	0.0000	666.6799	666.6799	0.0382	0.0000	667.6351
Waste						0.0000	0.0000		0.0000	0.0000	54.7223	0.0000	54.7223	3.2340	0.0000	135.5722
Water						0.0000	0.0000		0.0000	0.0000	5.2105	53.2535	58.4640	0.5373	0.0130	75.7829
Total	0.5981	0.9439	2.3497	7.2700e-003	0.6003	6.8900e-003	0.6072	0.1608	6.4800e-003	0.1672	59.9328	844.4380	904.3708	3.8143	0.0141	1,003.9232

Jamul Commercial - San Diego County, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3697	2.0000e-005	1.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5200e-003	3.5200e-003	1.0000e-005	0.0000	3.7600e-003
Energy	8.1000e-004	7.3800e-003	6.2000e-003	4.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	81.5953	81.5953	3.0900e-003	7.1000e-004	81.8833
Mobile	0.2276	0.9365	2.3417	7.2300e-003	0.6003	6.3200e-003	0.6066	0.1608	5.9100e-003	0.1667	0.0000	666.6799	666.6799	0.0382	0.0000	667.6351
Waste						0.0000	0.0000		0.0000	0.0000	41.0417	0.0000	41.0417	2.4255	0.0000	101.6791
Water						0.0000	0.0000		0.0000	0.0000	4.1684	42.6028	46.7712	0.4298	0.0104	60.6263
Total	0.5981	0.9439	2.3497	7.2700e-003	0.6003	6.8900e-003	0.6072	0.1608	6.4800e-003	0.1672	45.2101	790.8814	836.0916	2.8967	0.0111	911.8276

	ROG	NOx	CO	SO2	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	24.57	6.34	7.55	24.06	20.82	9.17

3.0 Construction Detail**Construction Phase**

Jamul Commercial - San Diego County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2019	4/1/2019	5	22	
2	Grading	Grading	4/2/2019	7/1/2019	5	65	
3	Paving	Paving	7/2/2019	8/5/2019	5	25	
4	Building Construction	Building Construction	8/6/2019	9/28/2020	5	300	
5	Building Construction Crane Usage	Building Construction	9/16/2019	9/27/2019	5	10	
6	Architectural Coating	Architectural Coating	9/19/2019	9/28/2020	5	268	

Acres of Grading (Site Preparation Phase): 20

Acres of Grading (Grading Phase): 20

Acres of Paving: 5.09

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 125,700; Non-Residential Outdoor: 41,900; Striped Parking Area: 2,586 (Architectural Coating – sqft)

OffRoad Equipment

Jamul Commercial - San Diego County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	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
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
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction Crane Usage	Cranes	1	7.00	231	0.29

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	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	11,250.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	51.00	21.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction Crane Usage	1	51.00	21.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

Jamul Commercial - San Diego County, Annual

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

3.2 Site Preparation - 2019**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					0.2093	0.0000	0.2093	0.1104	0.0000	0.1104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0477	0.5013	0.2427	4.2000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	37.5856	37.5856	0.0119	0.0000	37.8829
Total	0.0477	0.5013	0.2427	4.2000e-004	0.2093	0.0263	0.2356	0.1104	0.0242	0.1346	0.0000	37.5856	37.5856	0.0119	0.0000	37.8829

Jamul Commercial - San Diego County, Annual

3.2 Site Preparation - 2019**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	1.1000e-003	8.9000e-004	8.3900e-003	3.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.6000e-004	2.0000e-005	6.7000e-004	0.0000	2.2821	2.2821	7.0000e-005	0.0000	2.2839
Total	1.1000e-003	8.9000e-004	8.3900e-003	3.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.6000e-004	2.0000e-005	6.7000e-004	0.0000	2.2821	2.2821	7.0000e-005	0.0000	2.2839

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					0.2093	0.0000	0.2093	0.1104	0.0000	0.1104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1200e-003	0.0222	0.2296	4.2000e-004		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	37.5855	37.5855	0.0119	0.0000	37.8828
Total	5.1200e-003	0.0222	0.2296	4.2000e-004	0.2093	1.0000e-004	0.2094	0.1104	1.0000e-004	0.1105	0.0000	37.5855	37.5855	0.0119	0.0000	37.8828

Jamul Commercial - San Diego County, Annual

3.2 Site Preparation - 2019**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	1.1000e-003	8.9000e-004	8.3900e-003	3.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.6000e-004	2.0000e-005	6.7000e-004	0.0000	2.2821	2.2821	7.0000e-005	0.0000	2.2839
Total	1.1000e-003	8.9000e-004	8.3900e-003	3.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.6000e-004	2.0000e-005	6.7000e-004	0.0000	2.2821	2.2821	7.0000e-005	0.0000	2.2839

3.3 Grading - 2019**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					0.2127	0.0000	0.2127	0.1097	0.0000	0.1097	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1540	1.7719	1.0847	2.0200e-003		0.0774	0.0774		0.0712	0.0712	0.0000	181.0293	181.0293	0.0573	0.0000	182.4612
Total	0.1540	1.7719	1.0847	2.0200e-003	0.2127	0.0774	0.2901	0.1097	0.0712	0.1809	0.0000	181.0293	181.0293	0.0573	0.0000	182.4612

Jamul Commercial - San Diego County, Annual

3.3 Grading - 2019**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	0.0494	1.7238	0.3760	4.4300e-003	0.0963	6.4400e-003	0.1027	0.0264	6.1600e-003	0.0326	0.0000	438.5219	438.5219	0.0397	0.0000	439.5145
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	3.6000e-003	2.9200e-003	0.0275	8.0000e-005	8.1000e-003	6.0000e-005	8.1600e-003	2.1500e-003	5.0000e-005	2.2100e-003	0.0000	7.4917	7.4917	2.3000e-004	0.0000	7.4975
Total	0.0530	1.7267	0.4036	4.5100e-003	0.1044	6.5000e-003	0.1109	0.0286	6.2100e-003	0.0348	0.0000	446.0136	446.0136	0.0399	0.0000	447.0120

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					0.2127	0.0000	0.2127	0.1097	0.0000	0.1097	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0248	0.1073	1.0725	2.0200e-003		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	181.0291	181.0291	0.0573	0.0000	182.4610
Total	0.0248	0.1073	1.0725	2.0200e-003	0.2127	5.0000e-004	0.2132	0.1097	5.0000e-004	0.1102	0.0000	181.0291	181.0291	0.0573	0.0000	182.4610

Jamul Commercial - San Diego County, Annual

3.3 Grading - 2019**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	0.0494	1.7238	0.3760	4.4300e-003	0.0963	6.4400e-003	0.1027	0.0264	6.1600e-003	0.0326	0.0000	438.5219	438.5219	0.0397	0.0000	439.5145
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	3.6000e-003	2.9200e-003	0.0275	8.0000e-005	8.1000e-003	6.0000e-005	8.1600e-003	2.1500e-003	5.0000e-005	2.2100e-003	0.0000	7.4917	7.4917	2.3000e-004	0.0000	7.4975
Total	0.0530	1.7267	0.4036	4.5100e-003	0.1044	6.5000e-003	0.1109	0.0286	6.2100e-003	0.0348	0.0000	446.0136	446.0136	0.0399	0.0000	447.0120

3.4 Paving - 2019**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	0.0182	0.1906	0.1833	2.8000e-004		0.0103	0.0103		9.4800e-003	9.4800e-003	0.0000	25.5940	25.5940	8.1000e-003	0.0000	25.7964
Paving	6.6700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0249	0.1906	0.1833	2.8000e-004		0.0103	0.0103		9.4800e-003	9.4800e-003	0.0000	25.5940	25.5940	8.1000e-003	0.0000	25.7964

Jamul Commercial - San Diego County, Annual

3.4 Paving - 2019**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	1.0400e-003	8.4000e-004	7.9400e-003	2.0000e-005	2.3400e-003	2.0000e-005	2.3500e-003	6.2000e-004	2.0000e-005	6.4000e-004	0.0000	2.1611	2.1611	7.0000e-005	0.0000	2.1627
Total	1.0400e-003	8.4000e-004	7.9400e-003	2.0000e-005	2.3400e-003	2.0000e-005	2.3500e-003	6.2000e-004	2.0000e-005	6.4000e-004	0.0000	2.1611	2.1611	7.0000e-005	0.0000	2.1627

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	3.5100e-003	0.0152	0.2162	2.8000e-004		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	25.5940	25.5940	8.1000e-003	0.0000	25.7964
Paving	6.6700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0102	0.0152	0.2162	2.8000e-004		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	25.5940	25.5940	8.1000e-003	0.0000	25.7964

Jamul Commercial - San Diego County, Annual

3.4 Paving - 2019**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	1.0400e-003	8.4000e-004	7.9400e-003	2.0000e-005	2.3400e-003	2.0000e-005	2.3500e-003	6.2000e-004	2.0000e-005	6.4000e-004	0.0000	2.1611	2.1611	7.0000e-005	0.0000	2.1627
Total	1.0400e-003	8.4000e-004	7.9400e-003	2.0000e-005	2.3400e-003	2.0000e-005	2.3500e-003	6.2000e-004	2.0000e-005	6.4000e-004	0.0000	2.1611	2.1611	7.0000e-005	0.0000	2.1627

3.5 Building Construction - 2019**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	0.1018	0.8386	0.8033	1.1600e-003		0.0566	0.0566		0.0534	0.0534	0.0000	100.5740	100.5740	0.0228	0.0000	101.1428
Total	0.1018	0.8386	0.8033	1.1600e-003		0.0566	0.0566		0.0534	0.0534	0.0000	100.5740	100.5740	0.0228	0.0000	101.1428

Jamul Commercial - San Diego County, Annual

3.5 Building Construction - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8900e-003	0.1331	0.0358	2.8000e-004	6.6800e-003	8.8000e-004	7.5600e-003	1.9300e-003	8.4000e-004	2.7700e-003	0.0000	27.2946	27.2946	2.2600e-003	0.0000	27.3512
Worker	0.0150	0.0121	0.1145	3.4000e-004	0.0337	2.4000e-004	0.0339	8.9500e-003	2.2000e-004	9.1700e-003	0.0000	31.1538	31.1538	9.7000e-004	0.0000	31.1780
Total	0.0199	0.1452	0.1503	6.2000e-004	0.0404	1.1200e-003	0.0415	0.0109	1.0600e-003	0.0119	0.0000	58.4484	58.4484	3.2300e-003	0.0000	58.5292

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	0.0141	0.1042	0.8049	1.1600e-003		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	100.5739	100.5739	0.0228	0.0000	101.1427
Total	0.0141	0.1042	0.8049	1.1600e-003		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	100.5739	100.5739	0.0228	0.0000	101.1427

Jamul Commercial - San Diego County, Annual

3.5 Building Construction - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8900e-003	0.1331	0.0358	2.8000e-004	6.6800e-003	8.8000e-004	7.5600e-003	1.9300e-003	8.4000e-004	2.7700e-003	0.0000	27.2946	27.2946	2.2600e-003	0.0000	27.3512
Worker	0.0150	0.0121	0.1145	3.4000e-004	0.0337	2.4000e-004	0.0339	8.9500e-003	2.2000e-004	9.1700e-003	0.0000	31.1538	31.1538	9.7000e-004	0.0000	31.1780
Total	0.0199	0.1452	0.1503	6.2000e-004	0.0404	1.1200e-003	0.0415	0.0109	1.0600e-003	0.0119	0.0000	58.4484	58.4484	3.2300e-003	0.0000	58.5292

3.5 Building Construction - 2020**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	0.1671	1.4034	1.4548	2.1200e-003		0.0895	0.0895		0.0845	0.0845	0.0000	181.6364	181.6364	0.0409	0.0000	182.6588
Total	0.1671	1.4034	1.4548	2.1200e-003		0.0895	0.0895		0.0845	0.0845	0.0000	181.6364	181.6364	0.0409	0.0000	182.6588

Jamul Commercial - San Diego County, Annual

3.5 Building Construction - 2020**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	7.3100e-003	0.2219	0.0589	5.1000e-004	0.0122	1.0300e-003	0.0133	3.5300e-003	9.9000e-004	4.5200e-003	0.0000	49.6234	49.6234	3.9300e-003	0.0000	49.7216
Worker	0.0256	0.0201	0.1918	6.1000e-004	0.0617	4.3000e-004	0.0621	0.0164	3.9000e-004	0.0168	0.0000	55.2161	55.2161	1.6000e-003	0.0000	55.2562
Total	0.0330	0.2420	0.2507	1.1200e-003	0.0739	1.4600e-003	0.0754	0.0199	1.3800e-003	0.0213	0.0000	104.8396	104.8396	5.5300e-003	0.0000	104.9778

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	0.0258	0.1907	1.4730	2.1200e-003		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	181.6362	181.6362	0.0409	0.0000	182.6585
Total	0.0258	0.1907	1.4730	2.1200e-003		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	181.6362	181.6362	0.0409	0.0000	182.6585

Jamul Commercial - San Diego County, Annual

3.5 Building Construction - 2020**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	7.3100e-003	0.2219	0.0589	5.1000e-004	0.0122	1.0300e-003	0.0133	3.5300e-003	9.9000e-004	4.5200e-003	0.0000	49.6234	49.6234	3.9300e-003	0.0000	49.7216
Worker	0.0256	0.0201	0.1918	6.1000e-004	0.0617	4.3000e-004	0.0621	0.0164	3.9000e-004	0.0168	0.0000	55.2161	55.2161	1.6000e-003	0.0000	55.2562
Total	0.0330	0.2420	0.2507	1.1200e-003	0.0739	1.4600e-003	0.0754	0.0199	1.3800e-003	0.0213	0.0000	104.8396	104.8396	5.5300e-003	0.0000	104.9778

3.6 Building Construction Crane Usage - 2019**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	2.2100e-003	0.0263	0.0100	3.0000e-005		1.1100e-003	1.1100e-003		1.0200e-003	1.0200e-003	0.0000	2.2671	2.2671	7.2000e-004	0.0000	2.2850
Total	2.2100e-003	0.0263	0.0100	3.0000e-005		1.1100e-003	1.1100e-003		1.0200e-003	1.0200e-003	0.0000	2.2671	2.2671	7.2000e-004	0.0000	2.2850

Jamul Commercial - San Diego County, Annual

3.6 Building Construction Crane Usage - 2019**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6000e-004	0.0126	3.3800e-003	3.0000e-005	6.3000e-004	8.0000e-005	7.1000e-004	1.8000e-004	8.0000e-005	2.6000e-004	0.0000	2.5750	2.5750	2.1000e-004	0.0000	2.5803
Worker	1.4100e-003	1.1500e-003	0.0108	3.0000e-005	3.1800e-003	2.0000e-005	3.2000e-003	8.4000e-004	2.0000e-005	8.7000e-004	0.0000	2.9390	2.9390	9.0000e-005	0.0000	2.9413
Total	1.8700e-003	0.0137	0.0142	6.0000e-005	3.8100e-003	1.0000e-004	3.9100e-003	1.0200e-003	1.0000e-004	1.1300e-003	0.0000	5.5140	5.5140	3.0000e-004	0.0000	5.5216

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	3.1000e-004	1.3400e-003	0.0114	3.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.2671	2.2671	7.2000e-004	0.0000	2.2850
Total	3.1000e-004	1.3400e-003	0.0114	3.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.2671	2.2671	7.2000e-004	0.0000	2.2850

Jamul Commercial - San Diego County, Annual

3.6 Building Construction Crane Usage - 2019**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6000e-004	0.0126	3.3800e-003	3.0000e-005	6.3000e-004	8.0000e-005	7.1000e-004	1.8000e-004	8.0000e-005	2.6000e-004	0.0000	2.5750	2.5750	2.1000e-004	0.0000	2.5803
Worker	1.4100e-003	1.1500e-003	0.0108	3.0000e-005	3.1800e-003	2.0000e-005	3.2000e-003	8.4000e-004	2.0000e-005	8.7000e-004	0.0000	2.9390	2.9390	9.0000e-005	0.0000	2.9413
Total	1.8700e-003	0.0137	0.0142	6.0000e-005	3.8100e-003	1.0000e-004	3.9100e-003	1.0200e-003	1.0000e-004	1.1300e-003	0.0000	5.5140	5.5140	3.0000e-004	0.0000	5.5216

3.7 Architectural Coating - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1089					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8600e-003	0.0679	0.0681	1.1000e-004		4.7600e-003	4.7600e-003		4.7600e-003	4.7600e-003	0.0000	9.4470	9.4470	8.0000e-004	0.0000	9.4670
Total	0.1188	0.0679	0.0681	1.1000e-004		4.7600e-003	4.7600e-003		4.7600e-003	4.7600e-003	0.0000	9.4470	9.4470	8.0000e-004	0.0000	9.4670

Jamul Commercial - San Diego County, Annual

3.7 Architectural Coating - 2019**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	2.0500e-003	1.6600e-003	0.0157	5.0000e-005	4.6100e-003	3.0000e-005	4.6500e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	4.2645	4.2645	1.3000e-004	0.0000	4.2678
Total	2.0500e-003	1.6600e-003	0.0157	5.0000e-005	4.6100e-003	3.0000e-005	4.6500e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	4.2645	4.2645	1.3000e-004	0.0000	4.2678

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1089					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1000e-003	4.7600e-003	0.0678	1.1000e-004		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.4470	9.4470	8.0000e-004	0.0000	9.4670
Total	0.1100	4.7600e-003	0.0678	1.1000e-004		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.4470	9.4470	8.0000e-004	0.0000	9.4670

Jamul Commercial - San Diego County, Annual

3.7 Architectural Coating - 2019**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	2.0500e-003	1.6600e-003	0.0157	5.0000e-005	4.6100e-003	3.0000e-005	4.6500e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	4.2645	4.2645	1.3000e-004	0.0000	4.2678
Total	2.0500e-003	1.6600e-003	0.0157	5.0000e-005	4.6100e-003	3.0000e-005	4.6500e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	4.2645	4.2645	1.3000e-004	0.0000	4.2678

3.7 Architectural Coating - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2855					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0235	0.1633	0.1777	2.9000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	24.7666	24.7666	1.9200e-003	0.0000	24.8145
Total	0.3090	0.1633	0.1777	2.9000e-004		0.0108	0.0108		0.0108	0.0108	0.0000	24.7666	24.7666	1.9200e-003	0.0000	24.8145

Jamul Commercial - San Diego County, Annual

3.7 Architectural Coating - 2020**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	5.0300e-003	3.9300e-003	0.0376	1.2000e-004	0.0121	8.0000e-005	0.0122	3.2100e-003	8.0000e-005	3.2900e-003	0.0000	10.8267	10.8267	3.1000e-004	0.0000	10.8346
Total	5.0300e-003	3.9300e-003	0.0376	1.2000e-004	0.0121	8.0000e-005	0.0122	3.2100e-003	8.0000e-005	3.2900e-003	0.0000	10.8267	10.8267	3.1000e-004	0.0000	10.8346

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2855					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8800e-003	0.0125	0.1777	2.9000e-004		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	24.7665	24.7665	1.9200e-003	0.0000	24.8145
Total	0.2884	0.0125	0.1777	2.9000e-004		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	24.7665	24.7665	1.9200e-003	0.0000	24.8145

Jamul Commercial - San Diego County, Annual

3.7 Architectural Coating - 2020**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	5.0300e-003	3.9300e-003	0.0376	1.2000e-004	0.0121	8.0000e-005	0.0122	3.2100e-003	8.0000e-005	3.2900e-003	0.0000	10.8267	10.8267	3.1000e-004	0.0000	10.8346
Total	5.0300e-003	3.9300e-003	0.0376	1.2000e-004	0.0121	8.0000e-005	0.0122	3.2100e-003	8.0000e-005	3.2900e-003	0.0000	10.8267	10.8267	3.1000e-004	0.0000	10.8346

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Jamul Commercial - San Diego County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2276	0.9365	2.3417	7.2300e-003	0.6003	6.3200e-003	0.6066	0.1608	5.9100e-003	0.1667	0.0000	666.6799	666.6799	0.0382	0.0000	667.6351
Unmitigated	0.2276	0.9365	2.3417	7.2300e-003	0.6003	6.3200e-003	0.6066	0.1608	5.9100e-003	0.1667	0.0000	666.6799	666.6799	0.0382	0.0000	667.6351

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hardware/Paint Store	752.00	752.00	752.00	1,108,622	1,108,622
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	119.60	119.60	119.60	462,071	462,071
User Defined Retail	15.00	15.00	15.00	22,113	22,113
Total	886.60	886.60	886.60	1,592,806	1,592,806

4.3 Trip Type Information

Jamul Commercial - San Diego County, Annual

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
Hardware/Paint Store	14.70	6.60	6.60	13.60	67.40	19.00	45	29	26
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	14.70	6.60	6.60	59.00	0.00	41.00	92	5	3
User Defined Retail	14.70	6.60	6.60	13.60	67.40	19.00	45	29	26

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hardware/Paint Store	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193
Parking Lot	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193
Unrefrigerated Warehouse-No Rail	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193
User Defined Retail	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Jamul Commercial - San Diego County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	73.5654	73.5654	2.9400e-003	5.6000e-004	73.8057
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	116.4713	116.4713	4.6500e-003	8.9000e-004	116.8517
NaturalGas Mitigated	8.1000e-004	7.3800e-003	6.2000e-003	4.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	8.0299	8.0299	1.5000e-004	1.5000e-004	8.0776
NaturalGas Unmitigated	8.1000e-004	7.3800e-003	6.2000e-003	4.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	8.0299	8.0299	1.5000e-004	1.5000e-004	8.0776

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					
Hardware/Paint Store	41924	2.3000e-004	2.0600e-003	1.7300e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2372	2.2372	4.0000e-005	4.0000e-005	2.2505
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	108550	5.9000e-004	5.3200e-003	4.4700e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	5.7926	5.7926	1.1000e-004	1.1000e-004	5.8271
User Defined Retail	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		8.2000e-004	7.3800e-003	6.2000e-003	4.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	8.0299	8.0299	1.5000e-004	1.5000e-004	8.0776

Jamul Commercial - San Diego County, Annual

5.2 Energy by Land Use - NaturalGas**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					
Hardware/Paint Store	41924	2.3000e-004	2.0600e-003	1.7300e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2372	2.2372	4.0000e-005	4.0000e-005	2.2505
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	108550	5.9000e-004	5.3200e-003	4.4700e-003	3.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	5.7926	5.7926	1.1000e-004	1.1000e-004	5.8271
User Defined Retail	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		8.2000e-004	7.3800e-003	6.2000e-003	4.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004	0.0000	8.0299	8.0299	1.5000e-004	1.5000e-004	8.0776

Jamul Commercial - San Diego County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hardware/Paint Store	236128	56.3034	2.2500e-003	4.3000e-004	56.4873
Parking Lot	11620	2.7707	1.1000e-004	2.0000e-005	2.7798
Parking Lot	1260	0.3004	1.0000e-005	0.0000	0.3014
Parking Lot	2205	0.5258	2.0000e-005	0.0000	0.5275
Unrefrigerated Warehouse-No Rail	237250	56.5709	2.2600e-003	4.3000e-004	56.7557
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		116.4713	4.6500e-003	8.8000e-004	116.8517

Jamul Commercial - San Diego County, Annual

5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hardware/Paint Store	148426	35.3914	1.4100e-003	2.7000e-004	35.5070
Parking Lot	2905	0.6927	3.0000e-005	1.0000e-005	0.6949
Parking Lot	315	0.0751	0.0000	0.0000	0.0754
Parking Lot	551.25	0.1314	1.0000e-005	0.0000	0.1319
Unrefrigerated Warehouse-No Rail	156325	37.2748	1.4900e-003	2.8000e-004	37.3966
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		73.5654	2.9400e-003	5.6000e-004	73.8057

6.0 Area Detail**6.1 Mitigation Measures Area**

Jamul Commercial - San Diego County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3697	2.0000e-005	1.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5200e-003	3.5200e-003	1.0000e-005	0.0000	3.7600e-003
Unmitigated	0.3697	2.0000e-005	1.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5200e-003	3.5200e-003	1.0000e-005	0.0000	3.7600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3301					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7000e-004	2.0000e-005	1.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5200e-003	3.5200e-003	1.0000e-005	0.0000	3.7600e-003
Total	0.3697	2.0000e-005	1.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5200e-003	3.5200e-003	1.0000e-005	0.0000	3.7600e-003

Jamul Commercial - San Diego County, Annual

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0394					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3301					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.7000e-004	2.0000e-005	1.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5200e-003	3.5200e-003	1.0000e-005	0.0000	3.7600e-003
Total	0.3697	2.0000e-005	1.8200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.5200e-003	3.5200e-003	1.0000e-005	0.0000	3.7600e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Jamul Commercial - San Diego County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	46.7712	0.4298	0.0104	60.6263
Unmitigated	58.4640	0.5373	0.0130	75.7829

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hardware/Paint Store	1.39256 / 0.853507	7.0265	0.0456	1.1200e-003	8.5017
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	15.0313 / 0	51.4375	0.4917	0.0119	67.2812
User Defined Retail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		58.4640	0.5373	0.0130	75.7829

Jamul Commercial - San Diego County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hardware/Paint Store	1.11405 / 0.682805	5.6212	0.0365	9.0000e- 004	6.8013
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	12.025 / 0	41.1500	0.3933	9.5400e- 003	53.8250
User Defined Retail	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		46.7712	0.4298	0.0104	60.6263

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Jamul Commercial - San Diego County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	41.0417	2.4255	0.0000	101.6791
Unmitigated	54.7223	3.2340	0.0000	135.5722

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hardware/Paint Store	208.48	42.3196	2.5010	0.0000	104.8449
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	61.1	12.4028	0.7330	0.0000	30.7273
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		54.7223	3.2340	0.0000	135.5722

Jamul Commercial - San Diego County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hardware/Paint Store	156.36	31.7397	1.8758	0.0000	78.6337
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	45.825	9.3021	0.5497	0.0000	23.0455
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		41.0417	2.4255	0.0000	101.6791

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
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Boilers

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

Jamul Commercial - San Diego County, Annual

Equipment Type	Number
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11.0 Vegetation

SCREEN3 Update

04/11/19
12:30:48*** SCREEN3 MODEL RUN ***
*** VERSION DATED 13043 ***

Jamul Commercial Update

SIMPLE TERRAIN INPUTS:

SOURCE TYPE	=	AREA
EMISSION RATE (G/(S-M**2))	=	0.227000E-08
SOURCE HEIGHT (M)	=	3.0000
LENGTH OF LARGER SIDE (M)	=	223.7400
LENGTH OF SMALLER SIDE (M)	=	223.7400
RECEPTOR HEIGHT (M)	=	1.5000
URBAN/RURAL OPTION	=	RURAL

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.

MODEL ESTIMATES DIRECTION TO MAX CONCENTRATION

BUOY. FLUX = 0.000 M**4/S**3; MOM. FLUX = 0.000 M**4/S**2.

*** FULL METEOROLOGY ***

*** SCREEN AUTOMATED DISTANCES ***

*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	MAX DIR (DEG)
10.	0.5015E-01	6	1.0	1.0	10000.0	3.00	45.
100.	0.7805E-01	6	1.0	1.0	10000.0	3.00	45.
200.	0.9910E-01	6	1.0	1.0	10000.0	3.00	45.
300.	0.8345E-01	6	1.0	1.0	10000.0	3.00	45.
400.	0.6919E-01	6	1.0	1.0	10000.0	3.00	45.
500.	0.5854E-01	6	1.0	1.0	10000.0	3.00	45.
600.	0.5057E-01	6	1.0	1.0	10000.0	3.00	45.
700.	0.4457E-01	6	1.0	1.0	10000.0	3.00	45.
800.	0.3996E-01	6	1.0	1.0	10000.0	3.00	45.
900.	0.3633E-01	6	1.0	1.0	10000.0	3.00	45.
1000.	0.3332E-01	6	1.0	1.0	10000.0	3.00	45.
1100.	0.3081E-01	6	1.0	1.0	10000.0	3.00	45.
1200.	0.2866E-01	6	1.0	1.0	10000.0	3.00	45.
1300.	0.2677E-01	6	1.0	1.0	10000.0	3.00	45.
1400.	0.2509E-01	6	1.0	1.0	10000.0	3.00	45.
1500.	0.2358E-01	6	1.0	1.0	10000.0	3.00	45.
1600.	0.2221E-01	6	1.0	1.0	10000.0	3.00	45.
1700.	0.2097E-01	6	1.0	1.0	10000.0	3.00	45.
1800.	0.1984E-01	6	1.0	1.0	10000.0	3.00	45.
1900.	0.1880E-01	6	1.0	1.0	10000.0	3.00	45.
2000.	0.1786E-01	6	1.0	1.0	10000.0	3.00	45.
2100.	0.1703E-01	6	1.0	1.0	10000.0	3.00	44.
2200.	0.1627E-01	6	1.0	1.0	10000.0	3.00	45.
2300.	0.1557E-01	6	1.0	1.0	10000.0	3.00	45.
2400.	0.1491E-01	6	1.0	1.0	10000.0	3.00	44.
2500.	0.1429E-01	6	1.0	1.0	10000.0	3.00	45.
2600.	0.1372E-01	6	1.0	1.0	10000.0	3.00	45.
2700.	0.1317E-01	6	1.0	1.0	10000.0	3.00	45.
2800.	0.1267E-01	6	1.0	1.0	10000.0	3.00	45.

SCREEN3 Update

2900.	0.1219E-01	6	1.0	1.0	10000.0	3.00	44.
3000.	0.1174E-01	6	1.0	1.0	10000.0	3.00	45.
3500.	0.9950E-02	6	1.0	1.0	10000.0	3.00	44.
4000.	0.8564E-02	6	1.0	1.0	10000.0	3.00	44.
4500.	0.7468E-02	6	1.0	1.0	10000.0	3.00	42.
5000.	0.6587E-02	6	1.0	1.0	10000.0	3.00	45.
5500.	0.5866E-02	6	1.0	1.0	10000.0	3.00	43.
6000.	0.5270E-02	6	1.0	1.0	10000.0	3.00	40.
6500.	0.4767E-02	6	1.0	1.0	10000.0	3.00	37.
7000.	0.4344E-02	6	1.0	1.0	10000.0	3.00	45.
7500.	0.3990E-02	6	1.0	1.0	10000.0	3.00	35.
8000.	0.3686E-02	6	1.0	1.0	10000.0	3.00	36.
8500.	0.3419E-02	6	1.0	1.0	10000.0	3.00	39.
9000.	0.3184E-02	6	1.0	1.0	10000.0	3.00	45.
9500.	0.2976E-02	6	1.0	1.0	10000.0	3.00	32.
10000.	0.2791E-02	6	1.0	1.0	10000.0	3.00	31.

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 10. M:
 187. 0.9995E-01 6 1.0 1.0 10000.0 3.00 45.

 *** SUMMARY OF SCREEN MODEL RESULTS ***

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
SIMPLE TERRAIN	0.9995E-01	187.	0.

 ** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **

Air Quality Health Risk Calculations (Worst-Case)
Jamul Commercial (Tier IV)

From CalEE Annual Output	Emission per day (Ton/Total Construction Duration)	0.00149					
	Number of Workdays	412					
	Emission per day (lb/day)	0.00723301					
	Construction day (Hours)	8					
	Emission Rate (Grams/Second)	0.000113769					
	Project Site Size (Acres)	12.37					
	Project Site Size (meters)	50059.61395					
	Length of Smalles Side (meters)	223.7400589					
Used as an input to Screen3	Emission Rate over Grading Area	2.27267E-09					
From Screen3	1-hr Emission Levles (Ug/M^3)	0.0999					
Multiply by 0.08 for annual conversion	Concentration Annual (Ug/M^3)	0.007992					
			Construction Days converted to				
	Construction Days	412	years				
Duration			1.128767123				
Age (Years)	3rd Trimester (0.25)		0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.007992		0.007992	0.007992	0.007992	0.007992	0.007992
Breathing Rate per agegroup BR/BW (Page 5-25)	361		1090	861	745	335	290
A (Default is 1)	1		1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96		0.96	0.96	0.96	0.96	0.96
10^-6 Microgram to Milligram / liters to m3	0.000001		0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000277		0.00000836	0.00000661	0.00000572	0.00000257	0.00000222
Construction Days	412		1.128767123				
potency factor for Diesel	1.1		1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10		10	3	3	1	1
ED	0.25		1.128767123	1.128767123	1.128767123	1.128767123	1.128767123
AT	70		70	70	70	70	70
FAH	0.85		0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	9.24884E-08		1.26087E-06	2.53094E-07	2.18996E-07	3.32808E-08	2.88102E-08
	0.092488448		1.260872372	0.253094442	0.218995771	0.03328077	0.028810219
Cancer Risk Per Million 9-years	1.61						
Cancer Risk Per Million 30-years	1.61						
Cancer Risk Per Million 70-years	1.60						