

APPENDIX A – AIR QUALITY CALEEMOD MODEL PRINTOUTS



Otay Lakes Campground Project - San Diego County, Summer

Otay Lakes Campground Project San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	4.52	Acre	4.52	196,891.20	0

1.2 Other Project Characteristics

Urbanization Urban Wind Speed (m/s) 2.6 Precipitation Freq (Days) 40

Climate Zone 13 Operational Year 2020

Utility Company San Diego Gas & Electric

CO2 Intensity (lb/MW/hr) 720.49 CH4 Intensity (lb/MW/hr) 0.029 N2O Intensity (lb/MW/hr) 0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - 4.52 acres disturbed. Building Area: 300 sq ft Flag Plaza, 1,800 sq ft Restroom, 800 sq ft Storage, 150 sq ft Stage = 3,050 sq ft

Construction Phase - Construction Start 1-31-20 finished 6-30-20

Off-road Equipment - Demolition: 1 Concrete Saw; 1 Tractor/Loader/Backhoe

Off-road Equipment - Site Preparation: 4 Tractor/Loader/Backhoes

Off-road Equipment - Building Construction" 1 Crane, 3 Forklifts, 1 Generator, 3 Tractor/Loader/Backhoe, 1 Welder

Demolition - Existing 450 sq ft Restroom to be demolished

Trips and VMT - 6 vendor truck trips added to Demo and Site Prep to account for water truck emissions

Vehicle Trips - Trip Rates from Traffic Memo of 176 Weekday trips (38.93 trips/acre); 528 Saturday trips (116.8 trips/acre); 198 Sunday trips (43.80 trips/acre)

Construction Off-road Equipment Mitigation - Water Exposed Area 2x per day selected to account for SDAPCD Rules 50 and 55

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	84.00
tblConstructionPhase	NumDays	230.00	84.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	PhaseEndDate	3/24/2021	6/30/2020
tblConstructionPhase	PhaseEndDate	2/2/2021	6/30/2020
tblConstructionPhase	PhaseEndDate	2/27/2020	2/3/2020
tblConstructionPhase	PhaseEndDate	3/5/2020	3/4/2020
tblConstructionPhase	PhaseStartDate	2/27/2021	3/5/2020
tblConstructionPhase	PhaseStartDate	3/18/2020	3/5/2020
tblConstructionPhase	PhaseStartDate	2/28/2020	2/4/2020
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Demolition
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripNumber	18.00	5.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblVehicleTrips	ST_TR	22.75	116.80
tblVehicleTrips	SU_TR	16.74	43.80
tblVehicleTrips	WD_TR	1.89	38.93

2.0 Emissions Summary

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2.2 Overall Operational
Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.0947	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.9023	3.5134	9.4179	0.0299	2.3900	0.0290	2.4190	0.6388	0.0272	0.6660	3.029.725 ₂	3.029.725 ₂	3.029.725 ₂	0.1656	0.0000	3.033.863 ₉
Total	0.9969	3.5134	9.4184	0.0299	2.3900	0.0290	2.4190	0.6388	0.0272	0.6660	3.029.726₂	3.029.726₂	3.029.726₂	0.1656	0.0000	3,033.864₉

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.0947	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.9023	3.5134	9.4179	0.0299	2.3900	0.0290	2.4190	0.6388	0.0272	0.6660	3.029.725 ₂	3.029.725 ₂	3.029.725 ₂	0.1656	0.0000	3,033.863 ₉
Total	0.9969	3.5134	9.4184	0.0299	2.3900	0.0290	2.4190	0.6388	0.0272	0.6660	3.029.726₂	3.029.726₂	3.029.726₂	0.1656	0.0000	3,033.864₉

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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	Demolition	Demolition	1/31/2020	2/3/2020	5	2	
2	Site Preparation	Site Preparation	2/4/2020	3/4/2020	5	22	
3	Building Construction	Building Construction	3/5/2020	6/30/2020	5	84	
4	Architectural Coating	Architectural Coating	3/5/2020	6/30/2020	5	84	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,575; Non-Residential Outdoor: 1,525; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	5.00	6.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	10.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	83.00	32.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 Demolition - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.2242	0.0000	0.2242	0.0340	0.0000	0.0340			0.0000			0.0000
Off-Road	0.6277	5.4038	5.9663	9.3600e-003	0.3313	0.3313	0.3313	0.3206	0.3206	0.3206		893.4332	893.4332	0.1348		896.8036
Total	0.6277	5.4038	5.9663	9.3600e-003	0.2242	0.3313	0.5555	0.0340	0.3206	0.3546		893.4332	893.4332	0.1348		896.8036

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	7.9000e-003	0.2790	0.0633	7.8000e-004	0.0175	8.9000e-004	0.0184	4.7900e-003	8.5000e-004	5.6400e-003		85.6327	85.6327	7.5400e-003		85.8212
Vendor	0.0224	0.6766	0.1724	1.6400e-003	0.0406	3.3100e-003	0.0439	0.0117	3.1700e-003	0.0149		176.4241	176.4241	0.0130		176.7494
Worker	0.0184	0.0124	0.1417	4.2000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		42.1374	42.1374	1.2600e-003		42.1688
Total	0.0487	0.9679	0.3774	2.8400e-003	0.0992	4.4900e-003	0.1037	0.0274	4.2900e-003	0.0317		304.1941	304.1941	0.0218		304.7395

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3.2 Demolition - 2020

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.1009	0.0000	0.1009	0.0153	0.0000	0.0153			0.0000			0.0000
Off-Road	0.6277	5.4038	5.9663	9.3600e-003	0.3313	0.3313	0.3313	0.3206	0.3206	0.3206	0.0000	893.4332	893.4332	0.1348		896.8036
Total	0.6277	5.4038	5.9663	9.3600e-003	0.1009	0.3313	0.4322	0.0153	0.3206	0.3359	0.0000	893.4332	893.4332	0.1348		896.8036

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	7.9000e-003	0.2790	0.0633	7.8000e-004	0.0175	8.9000e-004	0.0184	4.7900e-003	8.5000e-004	5.6400e-003			85.6327	7.5400e-003		85.8212
Vendor	0.0224	0.6766	0.1724	1.6400e-003	0.0406	3.3100e-003	0.0439	0.0117	3.1700e-003	0.0149			176.4241	0.0130		176.7494
Worker	0.0184	0.0124	0.1417	4.2000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112			42.1374	1.2600e-003		42.1688
Total	0.0487	0.9679	0.3774	2.8400e-003	0.0992	4.4900e-003	0.1037	0.0274	4.2900e-003	0.0317			304.1941	0.0218		304.7395

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3.3 Site Preparation - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.8380	8.4206	9.1188	0.0124	0.5325	0.5325	0.5325	0.4899	0.4899	0.4899		1,203.0740	1,203.0740	0.3891		1,212.8015
Total	0.8380	8.4206	9.1188	0.0124	18.0663	0.5325	18.5987	9.9307	0.4899	10.4206		1,203.0740	1,203.0740	0.3891		1,212.8015

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0224	0.6766	0.1724	1.6400e-003	0.0406	3.3100e-003	0.0439	0.0117	3.1700e-003	0.0149		176.4241	176.4241	0.0130		176.7494
Worker	0.0367	0.0247	0.2835	8.5000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		84.2747	84.2747	2.5200e-003		84.3376
Total	0.0591	0.7013	0.4558	2.4900e-003	0.1228	3.8900e-003	0.1267	0.0335	3.7000e-003	0.0372		260.6988	260.6988	0.0155		261.0870

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3.3 Site Preparation - 2020

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.8380	8.4206	9.1188	0.0124	0.5325	0.5325	0.5325	0.4899	0.4899	0.4899	0.0000	1,203.0740	1,203.0740	0.3891		1,212.8015
Total	0.8380	8.4206	9.1188	0.0124	8.1298	0.5325	8.6623	4.4688	0.4899	4.9587	0.0000	1,203.0740	1,203.0740	0.3891		1,212.8015

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0224	0.6766	0.1724	1.6400e-003	0.0406	3.3100e-003	0.0439	0.0117	3.1700e-003	0.0149			176.4241	0.0130		176.7494
Worker	0.0367	0.0247	0.2835	8.5000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223			84.2747	2.5200e-003		84.3376
Total	0.0591	0.7013	0.4558	2.4900e-003	0.1228	3.8900e-003	0.1267	0.0335	3.7000e-003	0.0372			260.6988	0.0155		261.0870

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3.4 Building Construction - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171	1.0503	1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171	1.0503	1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1196	3.6083	0.9192	8.7600e-003	0.2166	0.0177	0.2343	0.0624	0.0169	0.0793		940.9283	940.9283	0.0694		942.6636
Worker	0.3046	0.2052	2.3527	7.0200e-003	0.6818	4.7800e-003	0.6866	0.1809	4.4100e-003	0.1853		699.4801	699.4801	0.0209		700.0022
Total	0.4242	3.8135	3.2720	0.0158	0.8985	0.0224	0.9209	0.2432	0.0213	0.2645		1,640.4083	1,640.4083	0.0903		1,642.6658

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3.4 Building Construction - 2020

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.1198	19.1860	16.8485	0.0269	1.1171	1.1171	1.1171	1.0503	1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269	1.1171	1.1171	1.1171	1.0503	1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.1196	3.6083	0.9192	8.7600e-003	0.2166	0.0177	0.2343	0.0624	0.0169	0.0793		940.9283	940.9283	0.0694		942.6636
Worker	0.3046	0.2052	2.3527	7.0200e-003	0.6818	4.7800e-003	0.6866	0.1809	4.4100e-003	0.1853		699.4801	699.4801	0.0209		700.0022
Total	0.4242	3.8135	3.2720	0.0158	0.8985	0.0224	0.9209	0.2432	0.0213	0.2645		1,640.4083	1,640.4083	0.0903		1,642.6658

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3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	0.8415					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	1.0837	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
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
Worker	0.0624	0.0420	0.4819	1.4400e-003	0.1397	9.8000e-004	0.1406	0.0370	9.0000e-004	0.0379		143.2670	143.2670	4.2800e-003		143.3740
Total	0.0624	0.0420	0.4819	1.4400e-003	0.1397	9.8000e-004	0.1406	0.0370	9.0000e-004	0.0379		143.2670	143.2670	4.2800e-003		143.3740

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3.5 Architectural Coating - 2020

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	0.8415					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	0.0000	281.4481	281.4481	0.0218		281.9928
Total	1.0837	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
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
Worker	0.0624	0.0420	0.4819	1.4400e-003	0.1397	9.8000e-004	0.1406	0.0370	9.0000e-004	0.0379		143.2670	143.2670	4.2800e-003		143.3740
Total	0.0624	0.0420	0.4819	1.4400e-003	0.1397	9.8000e-004	0.1406	0.0370	9.0000e-004	0.0379		143.2670	143.2670	4.2800e-003		143.3740

4.0 Operational Detail - Mobile

Otay Lakes Campground Project - San Diego County, Summer

4.1 Mitigation Measures Mobile

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.9023	3.5134	9.4179	0.0299	2.3900	0.0290	2.4190	0.6388	0.0272	0.6660	3,029,725	2	3,029,725	0.1656		3,033,863
Unmitigated	0.9023	3.5134	9.4179	0.0299	2.3900	0.0290	2.4190	0.6388	0.0272	0.6660	3,029,725	2	3,029,725	0.1656		3,033,863

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	175.96	527.94	197.98	489,714	489,714
Total	175.96	527.94	197.98	489,714	489,714

4.3 Trip Type Information

Land Use	Miles				Trip %				Trip Purpose %			
	H-W or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by		
City Park	9:50	7:30	7:30	48:00	33:00	48:00	19:00	66	28	6		

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.588316	0.042913	0.184449	0.110793	0.017294	0.005558	0.015534	0.023021	0.001902	0.002024	0.006181	0.000745	0.001271

Otay Lakes Campground Project - San Diego County, Summer

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	Natural Gas Use kBtu/yr	lb/day										CO2e					
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total		Bio-CO2	NBio-CO2	Total CO2	CH4	N2O
City Park	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	Natural Gas Use kBtu/yr	lb/day										CO2e					
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total		Bio-CO2	NBio-CO2	Total CO2	CH4	N2O
City Park	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Otay Lakes Campground Project - San Diego County, Summer

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	0.0947	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	9.9000e-004	0.0000		1.0600e-003
Unmitigated	0.0947	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	9.9000e-004	0.0000		1.0600e-003

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0194				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0753				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	9.9000e-004	0.0000		1.0600e-003
Total	0.0947	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	9.9000e-004	0.0000		1.0600e-003

Otay Lakes Campground Project - San Diego County, Summer

6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0194				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0753				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		9.9000e-004	9.9000e-004	0.0000		1.0600e-003
Total	0.0947	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		9.9000e-004	9.9000e-004	0.0000		1.0600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Otay Lakes Campground Project - San Diego County, Summer

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

Otay Lakes Campground Project - San Diego County, Winter

Otay Lakes Campground Project San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	4.52	Acre	4.52	196,891.20	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2020
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW/hr)	720.49	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006

1.3 User Entered Comments & Non-Default Data

Otay Lakes Campground Project - San Diego County, Winter

Project Characteristics -

Land Use - 4.52 acres disturbed. Building Area: 300 sq ft Flag Plaza, 1,800 sq ft Restroom, 800 sq ft Storage, 150 sq ft Stage = 3,050 sq ft

Construction Phase - Construction Start 1-31-20 finished 6-30-20

Off-road Equipment - Demolition: 1 Concrete Saw; 1 Tractor/Loader/Backhoe

Off-road Equipment - Site Preparation: 4 Tractor/Loader/Backhoes

Off-road Equipment - Building Construction" 1 Crane, 3 Forklifts, 1 Generator, 3 Tractor/Loader/Backhoe, 1 Welder

Demolition - Existing 450 sq ft Restroom to be demolished

Trips and VMT - 6 vendor truck trips added to Demo and Site Prep to account for water truck emissions

Vehicle Trips - Trip Rates from Traffic Memo of 176 Weekday trips (38.93 trips/acre); 528 Saturday trips (116.8 trips/acre); 198 Sunday trips (43.80 trips/acre)

Construction Off-road Equipment Mitigation - Water Exposed Area 2x per day selected to account for SDAPCD Rules 50 and 55

Otay Lakes Campground Project - San Diego County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	84.00
tblConstructionPhase	NumDays	230.00	84.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	PhaseEndDate	3/24/2021	6/30/2020
tblConstructionPhase	PhaseEndDate	2/2/2021	6/30/2020
tblConstructionPhase	PhaseEndDate	2/27/2020	2/3/2020
tblConstructionPhase	PhaseEndDate	3/5/2020	3/4/2020
tblConstructionPhase	PhaseStartDate	2/27/2021	3/5/2020
tblConstructionPhase	PhaseStartDate	3/18/2020	3/5/2020
tblConstructionPhase	PhaseStartDate	2/28/2020	2/4/2020
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Demolition
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripNumber	18.00	5.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00
tblVehicleTrips	ST_TR	22.75	116.80
tblVehicleTrips	SU_TR	16.74	43.80
tblVehicleTrips	WD_TR	1.89	38.93

2.0 Emissions Summary

Otay Lakes Campground Project - San Diego County, Winter

2.2 Overall Operational

Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.0947	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.8772	3.6032	9.4369	0.0283	2.3900	0.0293	2.4193	0.6388	0.0274	0.6663	2.871.159	2.871.159	2.871.159	0.1674	0.0000	2.875.345
Total	0.9719	3.6032	9.4374	0.0283	2.3900	0.0293	2.4193	0.6388	0.0274	0.6663	2.871.160	2.871.160	2.871.160	0.1674	0.0000	2.875.346

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	0.0947	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.8772	3.6032	9.4369	0.0283	2.3900	0.0293	2.4193	0.6388	0.0274	0.6663	2.871.159	2.871.159	2.871.159	0.1674	0.0000	2.875.345
Total	0.9719	3.6032	9.4374	0.0283	2.3900	0.0293	2.4193	0.6388	0.0274	0.6663	2.871.160	2.871.160	2.871.160	0.1674	0.0000	2.875.346

Otay Lakes Campground Project - 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	Demolition	Demolition	1/31/2020	2/3/2020	5	2	
2	Site Preparation	Site Preparation	2/4/2020	3/4/2020	5	22	
3	Building Construction	Building Construction	3/5/2020	6/30/2020	5	84	
4	Architectural Coating	Architectural Coating	3/5/2020	6/30/2020	5	84	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,575; Non-Residential Outdoor: 1,525; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Otay Lakes Campground Project - San Diego County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	5.00	6.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	10.00	6.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	83.00	32.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Otay Lakes Campground Project - San Diego County, Winter

3.2 Demolition - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.2242	0.0000	0.2242	0.0340	0.0000	0.0340			0.0000			0.0000
Off-Road	0.6277	5.4038	5.9663	9.3600e-003	0.3313	0.3313	0.3313	0.3206	0.3206	0.3206		893.4332	893.4332	0.1348		896.8036
Total	0.6277	5.4038	5.9663	9.3600e-003	0.2242	0.3313	0.5555	0.0340	0.3206	0.3546		893.4332	893.4332	0.1348		896.8036

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	8.1200e-003	0.2817	0.0675	7.7000e-004	0.0175	9.1000e-004	0.0184	4.7900e-003	8.7000e-004	5.6600e-003		84.1635	84.1635	7.8000e-003		84.3586
Vendor	0.0235	0.6760	0.1913	1.6000e-003	0.0406	3.3700e-003	0.0440	0.0117	3.2300e-003	0.0149		171.8773	171.8773	0.0138		172.2231
Worker	0.0208	0.0139	0.1336	4.0000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		39.5566	39.5566	1.1900e-003		39.5864
Total	0.0524	0.9715	0.3924	2.7700e-003	0.0992	4.5700e-003	0.1037	0.0274	4.3700e-003	0.0317		295.5975	295.5975	0.0228		296.1680

Otay Lakes Campground Project - San Diego County, Winter

3.2 Demolition - 2020

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Fugitive Dust					0.1009	0.0000	0.1009	0.0153	0.0000	0.0153			0.0000				0.0000
Off-Road	0.6277	5.4038	5.9663	9.3600e-003	0.3313	0.3313	0.3313	0.3206	0.3206	0.3206	0.0000	893.4332	893.4332	0.1348			896.8036
Total	0.6277	5.4038	5.9663	9.3600e-003	0.1009	0.3313	0.4322	0.0153	0.3206	0.3359	0.0000	893.4332	893.4332	0.1348			896.8036

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	8.1200e-003	0.2817	0.0675	7.7000e-004	0.0175	9.1000e-004	0.0184	4.7900e-003	8.7000e-004	5.6600e-003		84.1635	84.1635	7.8000e-003			84.3586
Vendor	0.0235	0.6760	0.1913	1.6000e-003	0.0406	3.3700e-003	0.0440	0.0117	3.2300e-003	0.0149		171.8773	171.8773	0.0138			172.2231
Worker	0.0208	0.0139	0.1336	4.0000e-004	0.0411	2.9000e-004	0.0414	0.0109	2.7000e-004	0.0112		39.5566	39.5566	1.1900e-003			39.5864
Total	0.0524	0.9715	0.3924	2.7700e-003	0.0992	4.5700e-003	0.1037	0.0274	4.3700e-003	0.0317		295.5975	295.5975	0.0228			296.1680

Otay Lakes Campground Project - San Diego County, Winter

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.8380	8.4206	9.1188	0.0124	0.5325	0.5325	0.5325	0.4899	0.4899	0.4899		1,203.0740	1,203.0740	0.3891		1,212.8015
Total	0.8380	8.4206	9.1188	0.0124	18.0663	0.5325	18.5987	9.9307	0.4899	10.4206		1,203.0740	1,203.0740	0.3891		1,212.8015

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0235	0.6760	0.1913	1.6000e-003	0.0406	3.3700e-003	0.0440	0.0117	3.2300e-003	0.0149		171.8773	171.8773	0.0138		172.2231
Worker	0.0416	0.0278	0.2673	7.9000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		79.1132	79.1132	2.3800e-003		79.1727
Total	0.0650	0.7038	0.4585	2.3900e-003	0.1228	3.9500e-003	0.1267	0.0335	3.7600e-003	0.0372		250.9905	250.9905	0.0162		251.3958

Otay Lakes Campground Project - San Diego County, Winter

3.3 Site Preparation - 2020

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.8380	8.4206	9.1188	0.0124	0.5325	0.5325	0.5325	0.4899	0.4899	0.4899	0.0000	1,203.0740	1,203.0740	0.3891		1,212.8015
Total	0.8380	8.4206	9.1188	0.0124	8.1298	0.5325	8.6623	4.4688	0.4899	4.9587	0.0000	1,203.0740	1,203.0740	0.3891		1,212.8015

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0235	0.6760	0.1913	1.6000e-003	0.0406	3.3700e-003	0.0440	0.0117	3.2300e-003	0.0149			171.8773	0.0138		172.2231
Worker	0.0416	0.0278	0.2673	7.9000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223			79.1132	2.3800e-003		79.1727
Total	0.0650	0.7038	0.4585	2.3900e-003	0.1228	3.9500e-003	0.1267	0.0335	3.7600e-003	0.0372			250.9905	0.0162		251.3958

Otay Lakes Campground Project - San Diego County, Winter

3.4 Building Construction - 2020

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171	1.0503	1.0503	1.0503		2,553.0631	2,553.0631	0.6229			2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171	1.0503	1.0503	1.0503		2,553.0631	2,553.0631	0.6229			2,568.6345

Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	0.1252	3.6054	1.0202	8.5400e-003	0.2166	0.0180	0.2346	0.0624	0.0172	0.0796		916.6791	916.6791	0.0738			918.5232
Worker	0.3450	0.2304	2.2182	6.5900e-003	0.6818	4.7800e-003	0.6866	0.1809	4.4100e-003	0.1853		656.6395	656.6395	0.0198			657.1338
Total	0.4702	3.8358	3.2383	0.0151	0.8985	0.0228	0.9212	0.2432	0.0216	0.2648		1,573.3186	1,573.3186	0.0935			1,575.6569

Otay Lakes Campground Project - San Diego County, Winter

3.4 Building Construction - 2020

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	2.1198	19.1860	16.8485	0.0269	1.1171	1.1171	1.1171	1.0503	1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269	1.1171	1.1171	1.1171	1.0503	1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1252	3.6054	1.0202	8.5400e-003	0.2166	0.0180	0.2346	0.0624	0.0172	0.0796		916.6791	916.6791	0.0738		918.5232
Worker	0.3450	0.2304	2.2182	6.5900e-003	0.6818	4.7800e-003	0.6866	0.1809	4.4100e-003	0.1853		656.6395	656.6395	0.0198		657.1338
Total	0.4702	3.8358	3.2383	0.0151	0.8985	0.0228	0.9212	0.2432	0.0216	0.2648		1,573.3186	1,573.3186	0.0935		1,575.6569

Otay Lakes Campground Project - San Diego County, Winter

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	0.8415					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	1.0837	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
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
Worker	0.0707	0.0472	0.4543	1.3500e-003	0.1397	9.8000e-004	0.1406	0.0370	9.0000e-004	0.0379		134.4924	134.4924	4.0500e-003		134.5937
Total	0.0707	0.0472	0.4543	1.3500e-003	0.1397	9.8000e-004	0.1406	0.0370	9.0000e-004	0.0379		134.4924	134.4924	4.0500e-003		134.5937

Otay Lakes Campground Project - San Diego County, Winter

3.5 Architectural Coating - 2020

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	0.8415					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	0.0000	281.4481	281.4481	0.0218		281.9928
Total	1.0837	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
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
Worker	0.0707	0.0472	0.4543	1.3500e-003	0.1397	9.8000e-004	0.1406	0.0370	9.0000e-004	0.0379		134.4924	134.4924	4.0500e-003		134.5937
Total	0.0707	0.0472	0.4543	1.3500e-003	0.1397	9.8000e-004	0.1406	0.0370	9.0000e-004	0.0379		134.4924	134.4924	4.0500e-003		134.5937

4.0 Operational Detail - Mobile

Otay Lakes Campground Project - San Diego County, Winter

4.1 Mitigation Measures Mobile

Category	lb/day											lb/day				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.8772	3.6032	9.4369	0.0283	2.3900	0.0293	2.4193	0.6388	0.0274	0.6663	2,871.159 ₉	2,871.159 ₉	2,871.159 ₉	0.1674		2,875.345 ₀
Unmitigated	0.8772	3.6032	9.4369	0.0283	2.3900	0.0293	2.4193	0.6388	0.0274	0.6663	2,871.159 ₉	2,871.159 ₉	2,871.159 ₉	0.1674		2,875.345 ₀

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	175.96	527.94	197.98	489,714	489,714
Total	175.96	527.94	197.98	489,714	489,714

4.3 Trip Type Information

Land Use	Miles				Trip %				Trip Purpose %			
	H-W or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by		
City Park	9.50	7.30	7.30	48.00	33.00	48.00	19.00	66	28	6		

4.4 Fleet Mix

Land Use	LDA	LDT1	MDV	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.588316	0.042913	0.184449	0.110793	0.005558	0.023021	0.001902	0.002024	0.006181	0.000745	0.001271

Otay Lakes Campground Project - San Diego County, Winter

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	Natural Gas Use kBtu/yr	lb/day										CO ₂ e					
		ROG	NOx	CO	SO ₂	Fugitive PM ₁₀	Exhaust PM ₁₀	PM ₁₀ Total	Fugitive PM _{2.5}	Exhaust PM _{2.5}	PM _{2.5} Total		Bio- CO ₂	NBio- CO ₂	Total CO ₂	CH ₄	N ₂ O
City Park	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	Natural Gas Use kBtu/yr	lb/day										CO ₂ e					
		ROG	NOx	CO	SO ₂	Fugitive PM ₁₀	Exhaust PM ₁₀	PM ₁₀ Total	Fugitive PM _{2.5}	Exhaust PM _{2.5}	PM _{2.5} Total		Bio- CO ₂	NBio- CO ₂	Total CO ₂	CH ₄	N ₂ O
City Park	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Otay Lakes Campground Project - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	0.0947	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	9.9000e-004	0.0000		1.0600e-003
Unmitigated	0.0947	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	9.9000e-004	0.0000		1.0600e-003

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0194				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0753				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	9.9000e-004	0.0000		1.0600e-003
Total	0.0947	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	9.9000e-004	0.0000		1.0600e-003

Otay Lakes Campground Project - San Diego County, Winter

6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0194				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0753				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		9.9000e-004	9.9000e-004	0.0000		1.0600e-003
Total	0.0947	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		9.9000e-004	9.9000e-004	0.0000		1.0600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

Otay Lakes Campground Project - San Diego County, Winter

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
