

# Appendix G

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CalEEMod Emissions Modeling

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Summer

**Casitas R&M Program - Unmitigated**  
**Ventura County APCD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	40.00	Acre	40.00	1,742,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Summer

Project Characteristics - 2022 operational year

Land Use - Total size of facility

Construction Phase - Duration lengths per PD

Off-road Equipment - Equipment list from PD. HP changed from defaults using spec sheets. Off-site haul trips modeled in vehicle trips.

Off-road Equipment - No equipment

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Two 10-HP pumps to remove water from the fish ladder (per data request). Assume excavator used 6 days.

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Excavator to relocate large woody material

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Per equipment list in PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD. Conservatively assumed one dozer.

Off-road Equipment - Equipment list per PD

Trips and VMT - 10 construction workers driving individually, length of 10 miles (distance to edge of Ojai Valley Area). 16 cy dump trucks for 5,000 cy of soil (626 one-way trips). 1 water truck + 2 on-road trucks in vendor trips for Activity 1

Grading -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	25
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	60.00
tblConstructionPhase	NumDays	75.00	30.00



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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		No. 6 Routine - Radial Gates
tblOffRoadEquipment	PhaseName		No. 6 Routine - Instrumentation
tblOffRoadEquipment	PhaseName		No. 5 Concrete Structures
tblOffRoadEquipment	PhaseName		No. 1 Forebay Sediment
tblOffRoadEquipment	PhaseName		No. 6 Routine - Timber
tblOffRoadEquipment	PhaseName		No. 4 Entrance Pool - heavy equipment
tblOffRoadEquipment	PhaseName		No. 5 Concrete Structures
tblOffRoadEquipment	PhaseName		No. 6 Routine - Timber
tblOffRoadEquipment	PhaseName		No. 2 Fish Ladder - heavy equipment
tblOffRoadEquipment	PhaseName		No. 5 Concrete Structures



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tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00

**2.0 Emissions Summary**

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Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Summer

**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	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-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
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.3300e-003</b>

**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	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-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
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.3300e-003</b>

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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

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No. 1 Forebay Sediment	Grading	1/4/2021	3/26/2021	5	60	
2	No. 1 Forebay Sediment - haul trip	Grading	1/4/2021	3/26/2021	5	60	
3	No. 2 Fish Ladder	Grading	3/29/2021	4/9/2021	5	10	
4	No. 2 Fish Ladder - heavy equipment	Grading	3/29/2021	4/5/2021	5	6	
5	No. 3 Rock Weir	Grading	4/12/2021	4/23/2021	5	10	
6	No. 3 Rock Weir - heavy equipment	Grading	4/12/2021	4/15/2021	5	4	
7	No. 4 Entrance Pool	Grading	4/26/2021	5/21/2021	5	20	
8	No. 4 Entrance Pool - heavy equipment	Grading	4/26/2021	4/30/2021	5	5	
9	No. 5 Concrete Structures	Grading	5/24/2021	6/4/2021	5	10	
10	No. 6 Routine - Timber	Grading	6/7/2021	7/16/2021	5	30	
11	No. 6 Routine - Debris Fence	Grading	7/19/2021	7/30/2021	5	10	
12	No. 6 Routine - Radial Gates	Grading	8/2/2021	8/13/2021	5	10	
13	No. 6 Routine - Instrumentation	Grading	8/16/2021	8/27/2021	5	10	
14	No. 6 Routine - Roads	Grading	8/30/2021	9/17/2021	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 40

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**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No. 1 Forebay Sediment	Excavators	1	8.00	162	0.38
No. 1 Forebay Sediment	Excavators	1	8.00	286	0.38
No. 1 Forebay Sediment	Graders	1	4.00	165	0.41
No. 1 Forebay Sediment	Off-Highway Trucks	1	8.00	320	0.38
No. 1 Forebay Sediment	Rubber Tired Dozers	1	4.00	215	0.40
No. 1 Forebay Sediment	Tractors/Loaders/Backhoes	2	8.00	202	0.37
No. 1 Forebay Sediment - haul trip	Graders	1	0.00	187	0.41
No. 2 Fish Ladder	Excavators	1	0.00	158	0.38
No. 2 Fish Ladder - heavy equipment	Excavators	1	8.00	158	0.38
No. 2 Fish Ladder - heavy equipment	Pumps	2	8.00	10	0.74
No. 2 Fish Ladder - heavy equipment	Tractors/Loaders/Backhoes	1	8.00	97	0.37
No. 3 Rock Weir	Excavators	1	0.00	158	0.38
No. 3 Rock Weir - heavy equipment	Excavators	1	8.00	158	0.38
No. 4 Entrance Pool	Excavators	1	0.00	158	0.38
No. 4 Entrance Pool - heavy equipment	Excavators	1	8.00	158	0.38
No. 4 Entrance Pool - heavy equipment	Off-Highway Trucks	1	8.00	402	0.38
No. 4 Entrance Pool - heavy equipment	Rubber Tired Dozers	1	8.00	247	0.40
No. 5 Concrete Structures	Cement and Mortar Mixers	1	8.00	9	0.56
No. 5 Concrete Structures	Excavators	1	8.00	158	0.38
No. 5 Concrete Structures	Off-Highway Trucks	2	8.00	402	0.38
No. 5 Concrete Structures	Pumps	1	8.00	84	0.74
No. 6 Routine - Timber	Excavators	1	8.00	158	0.38
No. 6 Routine - Timber	Off-Highway Trucks	1	8.00	402	0.38

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No. 6 Routine - Timber	Plate Compactors	1	8.00	8	0.43
No. 6 Routine - Timber	Skid Steer Loaders	1	8.00	65	0.37
No. 6 Routine - Timber	Tractors/Loaders/Backhoes	2	8.00	97	0.37
No. 6 Routine - Debris Fence	Tractors/Loaders/Backhoes	1	8.00	97	0.37
No. 6 Routine - Radial Gates	Aerial Lifts	1	8.00	63	0.31
No. 6 Routine - Instrumentation	Aerial Lifts	1	0.00	63	0.31
No. 6 Routine - Roads	Rubber Tired Dozers	1	8.00	247	0.40
No. 1 Forebay Sediment	Rubber Tired Dozers	1	4.00	354	0.40

**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
No. 1 Forebay Sediment	7	20.00	6.00	626.00	10.00	7.30	10.00	LD_Mix	HDT_Mix	HHDT
No. 1 Forebay Sediment - haul trip	1	20.00	0.00	626.00	0.00	0.00	40.00	LD_Mix	HDT_Mix	HHDT
No. 2 Fish Ladder	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 2 Fish Ladder - heavy equipment	4	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 3 Rock Weir	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 3 Rock Weir - heavy equipment	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 4 Entrance Pool	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 4 Entrance Pool - heavy equipment	3	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 5 Concrete Structures	5	20.00	2.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Timber	6	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Debris Fence	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Radial Gates	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Instrumentation	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Roads	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Summer

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 No. 1 Forebay Sediment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2762	0.0000	3.2762	1.6837	0.0000	1.6837			0.0000			0.0000
Off-Road	2.9078	29.1286	20.3030	0.0507		1.2363	1.2363		1.1374	1.1374		4,907.9826	4,907.9826	1.5873		4,947.6661
<b>Total</b>	<b>2.9078</b>	<b>29.1286</b>	<b>20.3030</b>	<b>0.0507</b>	<b>3.2762</b>	<b>1.2363</b>	<b>4.5124</b>	<b>1.6837</b>	<b>1.1374</b>	<b>2.8211</b>		<b>4,907.9826</b>	<b>4,907.9826</b>	<b>1.5873</b>		<b>4,947.6661</b>

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**3.2 No. 1 Forebay Sediment - 2021**

**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	0.0438	1.7618	0.3598	4.3800e-003	0.0910	5.5400e-003	0.0965	0.0249	5.3000e-003	0.0302		480.0003	480.0003	0.0496		481.2396
Vendor	0.0169	0.5788	0.1483	1.5400e-003	0.0406	1.6100e-003	0.0422	0.0117	1.5400e-003	0.0132		165.3514	165.3514	0.0127		165.6679
Worker	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.1256</b>	<b>2.3776</b>	<b>0.9868</b>	<b>7.3500e-003</b>	<b>0.2837</b>	<b>8.2100e-003</b>	<b>0.2919</b>	<b>0.0770</b>	<b>7.8200e-003</b>	<b>0.0848</b>		<b>788.2680</b>	<b>788.2680</b>	<b>0.0658</b>		<b>789.9139</b>

**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					1.4743	0.0000	1.4743	0.7577	0.0000	0.7577			0.0000			0.0000
Off-Road	2.9078	29.1286	20.3030	0.0507		1.2363	1.2363		1.1374	1.1374	0.0000	4,907.9826	4,907.9826	1.5873		4,947.6661
<b>Total</b>	<b>2.9078</b>	<b>29.1286</b>	<b>20.3030</b>	<b>0.0507</b>	<b>1.4743</b>	<b>1.2363</b>	<b>2.7105</b>	<b>0.7577</b>	<b>1.1374</b>	<b>1.8950</b>	<b>0.0000</b>	<b>4,907.9826</b>	<b>4,907.9826</b>	<b>1.5873</b>		<b>4,947.6661</b>

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**3.2 No. 1 Forebay Sediment - 2021**

**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	0.0438	1.7618	0.3598	4.3800e-003	0.0738	5.5400e-003	0.0793	0.0207	5.3000e-003	0.0260		480.0003	480.0003	0.0496		481.2396
Vendor	0.0169	0.5788	0.1483	1.5400e-003	0.0333	1.6100e-003	0.0349	9.9000e-003	1.5400e-003	0.0114		165.3514	165.3514	0.0127		165.6679
Worker	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.1256</b>	<b>2.3776</b>	<b>0.9868</b>	<b>7.3500e-003</b>	<b>0.2262</b>	<b>8.2100e-003</b>	<b>0.2344</b>	<b>0.0628</b>	<b>7.8200e-003</b>	<b>0.0707</b>		<b>788.2680</b>	<b>788.2680</b>	<b>0.0658</b>		<b>789.9139</b>

**3.3 No. 1 Forebay Sediment - haul trip - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.3 No. 1 Forebay Sediment - haul trip - 2021**

**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	0.1253	4.1955	1.0910	0.0146	0.3633	0.0198	0.3831	0.0995	0.0189	0.1184		1,599.8389	1,599.8389	0.1397		1,603.3315
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	0.0212	5.4500e-003	0.0769	5.0000e-005	2.0000e-004	1.3000e-004	3.3000e-004	8.0000e-005	1.2000e-004	2.0000e-004		4.3970	4.3970	4.1000e-004		4.4074
<b>Total</b>	<b>0.1465</b>	<b>4.2009</b>	<b>1.1679</b>	<b>0.0146</b>	<b>0.3635</b>	<b>0.0199</b>	<b>0.3834</b>	<b>0.0995</b>	<b>0.0190</b>	<b>0.1186</b>		<b>1,604.2360</b>	<b>1,604.2360</b>	<b>0.1401</b>		<b>1,607.7389</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



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**3.3 No. 1 Forebay Sediment - haul trip - 2021**

**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	0.1253	4.1955	1.0910	0.0146	0.2944	0.0198	0.3141	0.0825	0.0189	0.1014		1,599.8389	1,599.8389	0.1397		1,603.3315
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	0.0212	5.4500e-003	0.0769	5.0000e-005	2.0000e-004	1.3000e-004	3.3000e-004	8.0000e-005	1.2000e-004	2.0000e-004		4.3970	4.3970	4.1000e-004		4.4074
<b>Total</b>	<b>0.1465</b>	<b>4.2009</b>	<b>1.1679</b>	<b>0.0146</b>	<b>0.2946</b>	<b>0.0199</b>	<b>0.3144</b>	<b>0.0826</b>	<b>0.0190</b>	<b>0.1016</b>		<b>1,604.2360</b>	<b>1,604.2360</b>	<b>0.1401</b>		<b>1,607.7389</b>

**3.4 No. 2 Fish Ladder - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.4 No. 2 Fish Ladder - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.4 No. 2 Fish Ladder - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.5 No. 2 Fish Ladder - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6036	5.2139	6.4537	0.0104		0.2721	0.2721		0.2548	0.2548		949.4336	949.4336	0.2758		956.3285
<b>Total</b>	<b>0.6036</b>	<b>5.2139</b>	<b>6.4537</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.2721</b>	<b>0.2721</b>	<b>0.0000</b>	<b>0.2548</b>	<b>0.2548</b>		<b>949.4336</b>	<b>949.4336</b>	<b>0.2758</b>		<b>956.3285</b>

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**3.5 No. 2 Fish Ladder - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6036	5.2139	6.4537	0.0104		0.2721	0.2721		0.2548	0.2548	0.0000	949.4336	949.4336	0.2758		956.3285
<b>Total</b>	<b>0.6036</b>	<b>5.2139</b>	<b>6.4537</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.2721</b>	<b>0.2721</b>	<b>0.0000</b>	<b>0.2548</b>	<b>0.2548</b>	<b>0.0000</b>	<b>949.4336</b>	<b>949.4336</b>	<b>0.2758</b>		<b>956.3285</b>

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**3.5 No. 2 Fish Ladder - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.6 No. 3 Rock Weir - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Summer

**3.6 No. 3 Rock Weir - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.6 No. 3 Rock Weir - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.7 No. 3 Rock Weir - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2292	2.1534	3.2718	5.1700e-003		0.1044	0.1044		0.0961	0.0961		500.1920	500.1920	0.1618		504.2363
<b>Total</b>	<b>0.2292</b>	<b>2.1534</b>	<b>3.2718</b>	<b>5.1700e-003</b>	<b>0.0000</b>	<b>0.1044</b>	<b>0.1044</b>	<b>0.0000</b>	<b>0.0961</b>	<b>0.0961</b>		<b>500.1920</b>	<b>500.1920</b>	<b>0.1618</b>		<b>504.2363</b>

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**3.7 No. 3 Rock Weir - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2292	2.1534	3.2718	5.1700e-003		0.1044	0.1044		0.0961	0.0961	0.0000	500.1920	500.1920	0.1618		504.2363
<b>Total</b>	<b>0.2292</b>	<b>2.1534</b>	<b>3.2718</b>	<b>5.1700e-003</b>	<b>0.0000</b>	<b>0.1044</b>	<b>0.1044</b>	<b>0.0000</b>	<b>0.0961</b>	<b>0.0961</b>	<b>0.0000</b>	<b>500.1920</b>	<b>500.1920</b>	<b>0.1618</b>		<b>504.2363</b>



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**3.7 No. 3 Rock Weir - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.8 No. 4 Entrance Pool - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.8 No. 4 Entrance Pool - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Summer

**3.8 No. 4 Entrance Pool - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.9 No. 4 Entrance Pool - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.8815	18.3881	10.9139	0.0269		0.8300	0.8300		0.7636	0.7636		2,606.0672	2,606.0672	0.8429		2,627.1385
<b>Total</b>	<b>1.8815</b>	<b>18.3881</b>	<b>10.9139</b>	<b>0.0269</b>	<b>6.0221</b>	<b>0.8300</b>	<b>6.8520</b>	<b>3.3102</b>	<b>0.7636</b>	<b>4.0738</b>		<b>2,606.0672</b>	<b>2,606.0672</b>	<b>0.8429</b>		<b>2,627.1385</b>

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**3.9 No. 4 Entrance Pool - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	1.8815	18.3881	10.9139	0.0269		0.8300	0.8300		0.7636	0.7636	0.0000	2,606.0672	2,606.0672	0.8429		2,627.1385
<b>Total</b>	<b>1.8815</b>	<b>18.3881</b>	<b>10.9139</b>	<b>0.0269</b>	<b>2.7099</b>	<b>0.8300</b>	<b>3.5399</b>	<b>1.4896</b>	<b>0.7636</b>	<b>2.2532</b>	<b>0.0000</b>	<b>2,606.0672</b>	<b>2,606.0672</b>	<b>0.8429</b>		<b>2,627.1385</b>

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**3.9 No. 4 Entrance Pool - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.10 No. 5 Concrete Structures - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.8802	16.2583	14.5295	0.0389		0.6825	0.6825		0.6432	0.6432		3,730.7899	3,730.7899	1.0280		3,756.4900
<b>Total</b>	<b>1.8802</b>	<b>16.2583</b>	<b>14.5295</b>	<b>0.0389</b>	<b>0.0000</b>	<b>0.6825</b>	<b>0.6825</b>	<b>0.0000</b>	<b>0.6432</b>	<b>0.6432</b>		<b>3,730.7899</b>	<b>3,730.7899</b>	<b>1.0280</b>		<b>3,756.4900</b>

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**3.10 No. 5 Concrete Structures - 2021**

**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	5.6200e-003	0.1929	0.0494	5.1000e-004	0.0135	5.4000e-004	0.0141	3.8900e-003	5.1000e-004	4.4000e-003		55.1171	55.1171	4.2200e-003		55.2226
Worker	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0706</b>	<b>0.2299</b>	<b>0.5281</b>	<b>1.9400e-003</b>	<b>0.1657</b>	<b>1.6000e-003</b>	<b>0.1673</b>	<b>0.0443</b>	<b>1.4900e-003</b>	<b>0.0457</b>		<b>198.0334</b>	<b>198.0334</b>	<b>7.8300e-003</b>		<b>198.2291</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.8802	16.2583	14.5295	0.0389		0.6825	0.6825		0.6432	0.6432	0.0000	3,730.7899	3,730.7899	1.0280		3,756.4900
<b>Total</b>	<b>1.8802</b>	<b>16.2583</b>	<b>14.5295</b>	<b>0.0389</b>	<b>0.0000</b>	<b>0.6825</b>	<b>0.6825</b>	<b>0.0000</b>	<b>0.6432</b>	<b>0.6432</b>	<b>0.0000</b>	<b>3,730.7899</b>	<b>3,730.7899</b>	<b>1.0280</b>		<b>3,756.4900</b>

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**3.10 No. 5 Concrete Structures - 2021**

**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	5.6200e-003	0.1929	0.0494	5.1000e-004	0.0111	5.4000e-004	0.0116	3.3000e-003	5.1000e-004	3.8100e-003		55.1171	55.1171	4.2200e-003		55.2226
Worker	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0706</b>	<b>0.2299</b>	<b>0.5281</b>	<b>1.9400e-003</b>	<b>0.1302</b>	<b>1.6000e-003</b>	<b>0.1318</b>	<b>0.0355</b>	<b>1.4900e-003</b>	<b>0.0370</b>		<b>198.0334</b>	<b>198.0334</b>	<b>7.8300e-003</b>		<b>198.2291</b>

**3.11 No. 6 Routine - Timber - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3252	12.4632	12.9971	0.0271		0.5717	0.5717		0.5267	0.5267		2,615.1929	2,615.1929	0.8382		2,636.1487
<b>Total</b>	<b>1.3252</b>	<b>12.4632</b>	<b>12.9971</b>	<b>0.0271</b>	<b>0.0000</b>	<b>0.5717</b>	<b>0.5717</b>	<b>0.0000</b>	<b>0.5267</b>	<b>0.5267</b>		<b>2,615.1929</b>	<b>2,615.1929</b>	<b>0.8382</b>		<b>2,636.1487</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Summer

**3.11 No. 6 Routine - Timber - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3252	12.4632	12.9971	0.0271		0.5717	0.5717		0.5267	0.5267	0.0000	2,615.1929	2,615.1929	0.8382		2,636.1487
<b>Total</b>	<b>1.3252</b>	<b>12.4632</b>	<b>12.9971</b>	<b>0.0271</b>	<b>0.0000</b>	<b>0.5717</b>	<b>0.5717</b>	<b>0.0000</b>	<b>0.5267</b>	<b>0.5267</b>	<b>0.0000</b>	<b>2,615.1929</b>	<b>2,615.1929</b>	<b>0.8382</b>		<b>2,636.1487</b>



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**3.11 No. 6 Routine - Timber - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.12 No. 6 Routine - Debris Fence - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1873	1.8958	2.2602	3.1100e-003		0.1118	0.1118		0.1028	0.1028		300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.1873</b>	<b>1.8958</b>	<b>2.2602</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>0.1118</b>	<b>0.1118</b>	<b>0.0000</b>	<b>0.1028</b>	<b>0.1028</b>		<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

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**3.12 No. 6 Routine - Debris Fence - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1873	1.8958	2.2602	3.1100e-003		0.1118	0.1118		0.1028	0.1028	0.0000	300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.1873</b>	<b>1.8958</b>	<b>2.2602</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>0.1118</b>	<b>0.1118</b>	<b>0.0000</b>	<b>0.1028</b>	<b>0.1028</b>	<b>0.0000</b>	<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

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**3.12 No. 6 Routine - Debris Fence - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.13 No. 6 Routine - Radial Gates - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0375	0.6006	1.0941	1.6800e-003		0.0115	0.0115		0.0105	0.0105		162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0375</b>	<b>0.6006</b>	<b>1.0941</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>0.0105</b>	<b>0.0105</b>		<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

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**3.13 No. 6 Routine - Radial Gates - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0375	0.6006	1.0941	1.6800e-003		0.0115	0.0115		0.0105	0.0105	0.0000	162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0375</b>	<b>0.6006</b>	<b>1.0941</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>0.0105</b>	<b>0.0105</b>	<b>0.0000</b>	<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Summer

**3.13 No. 6 Routine - Radial Gates - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.14 No. 6 Routine - Instrumentation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.14 No. 6 Routine - Instrumentation - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Summer

**3.14 No. 6 Routine - Instrumentation - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.15 No. 6 Routine - Roads - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.0464	10.9713	4.0378	8.5300e-003		0.5325	0.5325		0.4899	0.4899		827.3522	827.3522	0.2676		834.0418
<b>Total</b>	<b>1.0464</b>	<b>10.9713</b>	<b>4.0378</b>	<b>8.5300e-003</b>	<b>6.0221</b>	<b>0.5325</b>	<b>6.5545</b>	<b>3.3102</b>	<b>0.4899</b>	<b>3.8001</b>		<b>827.3522</b>	<b>827.3522</b>	<b>0.2676</b>		<b>834.0418</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Summer

**3.15 No. 6 Routine - Roads - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	1.0464	10.9713	4.0378	8.5300e-003		0.5325	0.5325		0.4899	0.4899	0.0000	827.3522	827.3522	0.2676		834.0418
<b>Total</b>	<b>1.0464</b>	<b>10.9713</b>	<b>4.0378</b>	<b>8.5300e-003</b>	<b>2.7099</b>	<b>0.5325</b>	<b>3.2424</b>	<b>1.4896</b>	<b>0.4899</b>	<b>1.9795</b>	<b>0.0000</b>	<b>827.3522</b>	<b>827.3522</b>	<b>0.2676</b>		<b>834.0418</b>



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**3.15 No. 6 Routine - Roads - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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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
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490

5.0 Energy Detail

Historical Energy Use: N

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**5.1 Mitigation Measures Energy**

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

**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Unmitigated	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Summer

**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	0.3319					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3300e-003</b>

**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	0.3319					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3300e-003</b>

**7.0 Water Detail**

## Casitas R&amp;M Program - Unmitigated - Ventura County APCD Air District, Summer

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**7.1 Mitigation Measures Water****8.0 Waste Detail**

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**8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

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**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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Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**Casitas R&M Program - Unmitigated**  
**Ventura County APCD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	40.00	Acre	40.00	1,742,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

Project Characteristics - 2022 operational year

Land Use - Total size of facility

Construction Phase - Duration lengths per PD

Off-road Equipment - Equipment list from PD. HP changed from defaults using spec sheets. Off-site haul trips modeled in vehicle trips.

Off-road Equipment - No equipment

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Two 10-HP pumps to remove water from the fish ladder (per data request). Assume excavator used 6 days.

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Excavator to relocate large woody material

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Per equipment list in PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD. Conservatively assumed one dozer.

Off-road Equipment - Equipment list per PD

Trips and VMT - 10 construction workers driving individually, length of 10 miles (distance to edge of Ojai Valley Area). 16 cy dump trucks for 5,000 cy of soil (626 one-way trips). 1 water truck + 2 on-road trucks in vendor trips for Activity 1

Grading -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	25
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	75.00	60.00
tblConstructionPhase	NumDays	75.00	30.00





Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		No. 6 Routine - Radial Gates
tblOffRoadEquipment	PhaseName		No. 6 Routine - Instrumentation
tblOffRoadEquipment	PhaseName		No. 5 Concrete Structures
tblOffRoadEquipment	PhaseName		No. 1 Forebay Sediment
tblOffRoadEquipment	PhaseName		No. 6 Routine - Timber
tblOffRoadEquipment	PhaseName		No. 4 Entrance Pool - heavy equipment
tblOffRoadEquipment	PhaseName		No. 5 Concrete Structures
tblOffRoadEquipment	PhaseName		No. 6 Routine - Timber
tblOffRoadEquipment	PhaseName		No. 2 Fish Ladder - heavy equipment
tblOffRoadEquipment	PhaseName		No. 5 Concrete Structures



Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00

**2.0 Emissions Summary**

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Casitas R&M Program - Unmitigated - Ventura County APCD Air District, 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	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-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
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.3300e-003</b>

**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	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-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
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.3300e-003</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, 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	No. 1 Forebay Sediment	Grading	1/4/2021	3/26/2021	5	60	
2	No. 1 Forebay Sediment - haul trip	Grading	1/4/2021	3/26/2021	5	60	
3	No. 2 Fish Ladder	Grading	3/29/2021	4/9/2021	5	10	
4	No. 2 Fish Ladder - heavy equipment	Grading	3/29/2021	4/5/2021	5	6	
5	No. 3 Rock Weir	Grading	4/12/2021	4/23/2021	5	10	
6	No. 3 Rock Weir - heavy equipment	Grading	4/12/2021	4/15/2021	5	4	
7	No. 4 Entrance Pool	Grading	4/26/2021	5/21/2021	5	20	
8	No. 4 Entrance Pool - heavy equipment	Grading	4/26/2021	4/30/2021	5	5	
9	No. 5 Concrete Structures	Grading	5/24/2021	6/4/2021	5	10	
10	No. 6 Routine - Timber	Grading	6/7/2021	7/16/2021	5	30	
11	No. 6 Routine - Debris Fence	Grading	7/19/2021	7/30/2021	5	10	
12	No. 6 Routine - Radial Gates	Grading	8/2/2021	8/13/2021	5	10	
13	No. 6 Routine - Instrumentation	Grading	8/16/2021	8/27/2021	5	10	
14	No. 6 Routine - Roads	Grading	8/30/2021	9/17/2021	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 40

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No. 1 Forebay Sediment	Excavators	1	8.00	162	0.38
No. 1 Forebay Sediment	Excavators	1	8.00	286	0.38
No. 1 Forebay Sediment	Graders	1	4.00	165	0.41
No. 1 Forebay Sediment	Off-Highway Trucks	1	8.00	320	0.38
No. 1 Forebay Sediment	Rubber Tired Dozers	1	4.00	215	0.40
No. 1 Forebay Sediment	Tractors/Loaders/Backhoes	2	8.00	202	0.37
No. 1 Forebay Sediment - haul trip	Graders	1	0.00	187	0.41
No. 2 Fish Ladder	Excavators	1	0.00	158	0.38
No. 2 Fish Ladder - heavy equipment	Excavators	1	8.00	158	0.38
No. 2 Fish Ladder - heavy equipment	Pumps	2	8.00	10	0.74
No. 2 Fish Ladder - heavy equipment	Tractors/Loaders/Backhoes	1	8.00	97	0.37
No. 3 Rock Weir	Excavators	1	0.00	158	0.38
No. 3 Rock Weir - heavy equipment	Excavators	1	8.00	158	0.38
No. 4 Entrance Pool	Excavators	1	0.00	158	0.38
No. 4 Entrance Pool - heavy equipment	Excavators	1	8.00	158	0.38
No. 4 Entrance Pool - heavy equipment	Off-Highway Trucks	1	8.00	402	0.38
No. 4 Entrance Pool - heavy equipment	Rubber Tired Dozers	1	8.00	247	0.40
No. 5 Concrete Structures	Cement and Mortar Mixers	1	8.00	9	0.56
No. 5 Concrete Structures	Excavators	1	8.00	158	0.38
No. 5 Concrete Structures	Off-Highway Trucks	2	8.00	402	0.38
No. 5 Concrete Structures	Pumps	1	8.00	84	0.74
No. 6 Routine - Timber	Excavators	1	8.00	158	0.38
No. 6 Routine - Timber	Off-Highway Trucks	1	8.00	402	0.38



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No. 6 Routine - Timber	Plate Compactors	1	8.00	8	0.43
No. 6 Routine - Timber	Skid Steer Loaders	1	8.00	65	0.37
No. 6 Routine - Timber	Tractors/Loaders/Backhoes	2	8.00	97	0.37
No. 6 Routine - Debris Fence	Tractors/Loaders/Backhoes	1	8.00	97	0.37
No. 6 Routine - Radial Gates	Aerial Lifts	1	8.00	63	0.31
No. 6 Routine - Instrumentation	Aerial Lifts	1	0.00	63	0.31
No. 6 Routine - Roads	Rubber Tired Dozers	1	8.00	247	0.40
No. 1 Forebay Sediment	Rubber Tired Dozers	1	4.00	354	0.40

**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
No. 1 Forebay Sediment	7	20.00	6.00	626.00	10.00	7.30	10.00	LD_Mix	HDT_Mix	HHDT
No. 1 Forebay Sediment - haul trip	1	20.00	0.00	626.00	0.00	0.00	40.00	LD_Mix	HDT_Mix	HHDT
No. 2 Fish Ladder	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 2 Fish Ladder - heavy equipment	4	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 3 Rock Weir	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 3 Rock Weir - heavy equipment	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 4 Entrance Pool	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 4 Entrance Pool - heavy equipment	3	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 5 Concrete Structures	5	20.00	2.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Timber	6	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Debris Fence	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Radial Gates	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Instrumentation	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Roads	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 No. 1 Forebay Sediment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2762	0.0000	3.2762	1.6837	0.0000	1.6837			0.0000			0.0000
Off-Road	2.9078	29.1286	20.3030	0.0507		1.2363	1.2363		1.1374	1.1374		4,907.9826	4,907.9826	1.5873		4,947.6661
<b>Total</b>	<b>2.9078</b>	<b>29.1286</b>	<b>20.3030</b>	<b>0.0507</b>	<b>3.2762</b>	<b>1.2363</b>	<b>4.5124</b>	<b>1.6837</b>	<b>1.1374</b>	<b>2.8211</b>		<b>4,907.9826</b>	<b>4,907.9826</b>	<b>1.5873</b>		<b>4,947.6661</b>

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**3.2 No. 1 Forebay Sediment - 2021**

**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	0.0460	1.7578	0.4041	4.2600e-003	0.0910	5.8400e-003	0.0968	0.0249	5.5900e-003	0.0305		466.3753	466.3753	0.0522		467.6809
Vendor	0.0179	0.5779	0.1678	1.5000e-003	0.0406	1.7000e-003	0.0423	0.0117	1.6300e-003	0.0133		161.2941	161.2941	0.0135		161.6307
Worker	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.1372</b>	<b>2.3790</b>	<b>1.0401</b>	<b>7.1300e-003</b>	<b>0.2837</b>	<b>8.6000e-003</b>	<b>0.2923</b>	<b>0.0770</b>	<b>8.2000e-003</b>	<b>0.0852</b>		<b>763.6718</b>	<b>763.6718</b>	<b>0.0692</b>		<b>765.4012</b>

**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					1.4743	0.0000	1.4743	0.7577	0.0000	0.7577			0.0000			0.0000
Off-Road	2.9078	29.1286	20.3030	0.0507		1.2363	1.2363		1.1374	1.1374	0.0000	4,907.9826	4,907.9826	1.5873		4,947.6661
<b>Total</b>	<b>2.9078</b>	<b>29.1286</b>	<b>20.3030</b>	<b>0.0507</b>	<b>1.4743</b>	<b>1.2363</b>	<b>2.7105</b>	<b>0.7577</b>	<b>1.1374</b>	<b>1.8950</b>	<b>0.0000</b>	<b>4,907.9826</b>	<b>4,907.9826</b>	<b>1.5873</b>		<b>4,947.6661</b>

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**3.2 No. 1 Forebay Sediment - 2021**

**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	0.0460	1.7578	0.4041	4.2600e-003	0.0738	5.8400e-003	0.0796	0.0207	5.5900e-003	0.0263		466.3753	466.3753	0.0522		467.6809
Vendor	0.0179	0.5779	0.1678	1.5000e-003	0.0333	1.7000e-003	0.0350	9.9000e-003	1.6300e-003	0.0115		161.2941	161.2941	0.0135		161.6307
Worker	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.1372</b>	<b>2.3790</b>	<b>1.0401</b>	<b>7.1300e-003</b>	<b>0.2262</b>	<b>8.6000e-003</b>	<b>0.2348</b>	<b>0.0628</b>	<b>8.2000e-003</b>	<b>0.0710</b>		<b>763.6718</b>	<b>763.6718</b>	<b>0.0692</b>		<b>765.4012</b>

**3.3 No. 1 Forebay Sediment - haul trip - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.3 No. 1 Forebay Sediment - haul trip - 2021**

**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	0.1274	4.2852	1.1263	0.0145	0.3633	0.0201	0.3834	0.0995	0.0192	0.1186		1,586.2140	1,586.2140	0.1423		1,589.7716
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	0.0182	6.3700e-003	0.1027	5.0000e-005	2.0000e-004	1.3000e-004	3.3000e-004	8.0000e-005	1.2000e-004	2.0000e-004		4.3286	4.3286	5.1000e-004		4.3413
<b>Total</b>	<b>0.1457</b>	<b>4.2916</b>	<b>1.2290</b>	<b>0.0145</b>	<b>0.3635</b>	<b>0.0202</b>	<b>0.3837</b>	<b>0.0995</b>	<b>0.0193</b>	<b>0.1188</b>		<b>1,590.5425</b>	<b>1,590.5425</b>	<b>0.1428</b>		<b>1,594.1129</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.3 No. 1 Forebay Sediment - haul trip - 2021**

**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	0.1274	4.2852	1.1263	0.0145	0.2944	0.0201	0.3144	0.0825	0.0192	0.1017		1,586.2140	1,586.2140	0.1423		1,589.7716
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	0.0182	6.3700e-003	0.1027	5.0000e-005	2.0000e-004	1.3000e-004	3.3000e-004	8.0000e-005	1.2000e-004	2.0000e-004		4.3286	4.3286	5.1000e-004		4.3413
<b>Total</b>	<b>0.1457</b>	<b>4.2916</b>	<b>1.2290</b>	<b>0.0145</b>	<b>0.2946</b>	<b>0.0202</b>	<b>0.3147</b>	<b>0.0826</b>	<b>0.0193</b>	<b>0.1019</b>		<b>1,590.5425</b>	<b>1,590.5425</b>	<b>0.1428</b>		<b>1,594.1129</b>

**3.4 No. 2 Fish Ladder - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.4 No. 2 Fish Ladder - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.4 No. 2 Fish Ladder - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.5 No. 2 Fish Ladder - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6036	5.2139	6.4537	0.0104		0.2721	0.2721		0.2548	0.2548		949.4336	949.4336	0.2758		956.3285
<b>Total</b>	<b>0.6036</b>	<b>5.2139</b>	<b>6.4537</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.2721</b>	<b>0.2721</b>	<b>0.0000</b>	<b>0.2548</b>	<b>0.2548</b>		<b>949.4336</b>	<b>949.4336</b>	<b>0.2758</b>		<b>956.3285</b>



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**3.5 No. 2 Fish Ladder - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6036	5.2139	6.4537	0.0104		0.2721	0.2721		0.2548	0.2548	0.0000	949.4336	949.4336	0.2758		956.3285
<b>Total</b>	<b>0.6036</b>	<b>5.2139</b>	<b>6.4537</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.2721</b>	<b>0.2721</b>	<b>0.0000</b>	<b>0.2548</b>	<b>0.2548</b>	<b>0.0000</b>	<b>949.4336</b>	<b>949.4336</b>	<b>0.2758</b>		<b>956.3285</b>

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**3.5 No. 2 Fish Ladder - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.6 No. 3 Rock Weir - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.6 No. 3 Rock Weir - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.6 No. 3 Rock Weir - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.7 No. 3 Rock Weir - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2292	2.1534	3.2718	5.1700e-003		0.1044	0.1044		0.0961	0.0961		500.1920	500.1920	0.1618		504.2363
<b>Total</b>	<b>0.2292</b>	<b>2.1534</b>	<b>3.2718</b>	<b>5.1700e-003</b>	<b>0.0000</b>	<b>0.1044</b>	<b>0.1044</b>	<b>0.0000</b>	<b>0.0961</b>	<b>0.0961</b>		<b>500.1920</b>	<b>500.1920</b>	<b>0.1618</b>		<b>504.2363</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**3.7 No. 3 Rock Weir - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2292	2.1534	3.2718	5.1700e-003		0.1044	0.1044		0.0961	0.0961	0.0000	500.1920	500.1920	0.1618		504.2363
<b>Total</b>	<b>0.2292</b>	<b>2.1534</b>	<b>3.2718</b>	<b>5.1700e-003</b>	<b>0.0000</b>	<b>0.1044</b>	<b>0.1044</b>	<b>0.0000</b>	<b>0.0961</b>	<b>0.0961</b>	<b>0.0000</b>	<b>500.1920</b>	<b>500.1920</b>	<b>0.1618</b>		<b>504.2363</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**3.7 No. 3 Rock Weir - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.8 No. 4 Entrance Pool - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**3.8 No. 4 Entrance Pool - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**3.8 No. 4 Entrance Pool - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.9 No. 4 Entrance Pool - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.8815	18.3881	10.9139	0.0269		0.8300	0.8300		0.7636	0.7636		2,606.0672	2,606.0672	0.8429		2,627.1385
<b>Total</b>	<b>1.8815</b>	<b>18.3881</b>	<b>10.9139</b>	<b>0.0269</b>	<b>6.0221</b>	<b>0.8300</b>	<b>6.8520</b>	<b>3.3102</b>	<b>0.7636</b>	<b>4.0738</b>		<b>2,606.0672</b>	<b>2,606.0672</b>	<b>0.8429</b>		<b>2,627.1385</b>



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**3.9 No. 4 Entrance Pool - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	1.8815	18.3881	10.9139	0.0269		0.8300	0.8300		0.7636	0.7636	0.0000	2,606.0672	2,606.0672	0.8429		2,627.1385
<b>Total</b>	<b>1.8815</b>	<b>18.3881</b>	<b>10.9139</b>	<b>0.0269</b>	<b>2.7099</b>	<b>0.8300</b>	<b>3.5399</b>	<b>1.4896</b>	<b>0.7636</b>	<b>2.2532</b>	<b>0.0000</b>	<b>2,606.0672</b>	<b>2,606.0672</b>	<b>0.8429</b>		<b>2,627.1385</b>

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**3.9 No. 4 Entrance Pool - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.10 No. 5 Concrete Structures - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.8802	16.2583	14.5295	0.0389		0.6825	0.6825		0.6432	0.6432		3,730.7899	3,730.7899	1.0280		3,756.4900
<b>Total</b>	<b>1.8802</b>	<b>16.2583</b>	<b>14.5295</b>	<b>0.0389</b>	<b>0.0000</b>	<b>0.6825</b>	<b>0.6825</b>	<b>0.0000</b>	<b>0.6432</b>	<b>0.6432</b>		<b>3,730.7899</b>	<b>3,730.7899</b>	<b>1.0280</b>		<b>3,756.4900</b>

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**3.10 No. 5 Concrete Structures - 2021**

**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	5.9700e-003	0.1926	0.0559	5.0000e-004	0.0135	5.7000e-004	0.0141	3.8900e-003	5.4000e-004	4.4300e-003		53.7647	53.7647	4.4900e-003		53.8769
Worker	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0793</b>	<b>0.2360</b>	<b>0.5242</b>	<b>1.8700e-003</b>	<b>0.1657</b>	<b>1.6300e-003</b>	<b>0.1673</b>	<b>0.0443</b>	<b>1.5200e-003</b>	<b>0.0458</b>		<b>189.7671</b>	<b>189.7671</b>	<b>7.9800e-003</b>		<b>189.9665</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.8802	16.2583	14.5295	0.0389		0.6825	0.6825		0.6432	0.6432	0.0000	3,730.7899	3,730.7899	1.0280		3,756.4900
<b>Total</b>	<b>1.8802</b>	<b>16.2583</b>	<b>14.5295</b>	<b>0.0389</b>	<b>0.0000</b>	<b>0.6825</b>	<b>0.6825</b>	<b>0.0000</b>	<b>0.6432</b>	<b>0.6432</b>	<b>0.0000</b>	<b>3,730.7899</b>	<b>3,730.7899</b>	<b>1.0280</b>		<b>3,756.4900</b>

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**3.10 No. 5 Concrete Structures - 2021**

**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	5.9700e-003	0.1926	0.0559	5.0000e-004	0.0111	5.7000e-004	0.0117	3.3000e-003	5.4000e-004	3.8400e-003		53.7647	53.7647	4.4900e-003		53.8769
Worker	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0793</b>	<b>0.2360</b>	<b>0.5242</b>	<b>1.8700e-003</b>	<b>0.1302</b>	<b>1.6300e-003</b>	<b>0.1318</b>	<b>0.0355</b>	<b>1.5200e-003</b>	<b>0.0371</b>		<b>189.7671</b>	<b>189.7671</b>	<b>7.9800e-003</b>		<b>189.9665</b>

**3.11 No. 6 Routine - Timber - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3252	12.4632	12.9971	0.0271		0.5717	0.5717		0.5267	0.5267		2,615.1929	2,615.1929	0.8382		2,636.1487
<b>Total</b>	<b>1.3252</b>	<b>12.4632</b>	<b>12.9971</b>	<b>0.0271</b>	<b>0.0000</b>	<b>0.5717</b>	<b>0.5717</b>	<b>0.0000</b>	<b>0.5267</b>	<b>0.5267</b>		<b>2,615.1929</b>	<b>2,615.1929</b>	<b>0.8382</b>		<b>2,636.1487</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**3.11 No. 6 Routine - Timber - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3252	12.4632	12.9971	0.0271		0.5717	0.5717		0.5267	0.5267	0.0000	2,615.1929	2,615.1929	0.8382		2,636.1487
<b>Total</b>	<b>1.3252</b>	<b>12.4632</b>	<b>12.9971</b>	<b>0.0271</b>	<b>0.0000</b>	<b>0.5717</b>	<b>0.5717</b>	<b>0.0000</b>	<b>0.5267</b>	<b>0.5267</b>	<b>0.0000</b>	<b>2,615.1929</b>	<b>2,615.1929</b>	<b>0.8382</b>		<b>2,636.1487</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**3.11 No. 6 Routine - Timber - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.12 No. 6 Routine - Debris Fence - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1873	1.8958	2.2602	3.1100e-003		0.1118	0.1118		0.1028	0.1028		300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.1873</b>	<b>1.8958</b>	<b>2.2602</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>0.1118</b>	<b>0.1118</b>	<b>0.0000</b>	<b>0.1028</b>	<b>0.1028</b>		<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**3.12 No. 6 Routine - Debris Fence - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1873	1.8958	2.2602	3.1100e-003		0.1118	0.1118		0.1028	0.1028	0.0000	300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.1873</b>	<b>1.8958</b>	<b>2.2602</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>0.1118</b>	<b>0.1118</b>	<b>0.0000</b>	<b>0.1028</b>	<b>0.1028</b>	<b>0.0000</b>	<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**3.12 No. 6 Routine - Debris Fence - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.13 No. 6 Routine - Radial Gates - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0375	0.6006	1.0941	1.6800e-003		0.0115	0.0115		0.0105	0.0105		162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0375</b>	<b>0.6006</b>	<b>1.0941</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>0.0105</b>	<b>0.0105</b>		<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>



Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**3.13 No. 6 Routine - Radial Gates - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0375	0.6006	1.0941	1.6800e-003		0.0115	0.0115		0.0105	0.0105	0.0000	162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0375</b>	<b>0.6006</b>	<b>1.0941</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>0.0105</b>	<b>0.0105</b>	<b>0.0000</b>	<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**3.13 No. 6 Routine - Radial Gates - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.14 No. 6 Routine - Instrumentation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**3.14 No. 6 Routine - Instrumentation - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**3.14 No. 6 Routine - Instrumentation - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.15 No. 6 Routine - Roads - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.0464	10.9713	4.0378	8.5300e-003		0.5325	0.5325		0.4899	0.4899		827.3522	827.3522	0.2676		834.0418
<b>Total</b>	<b>1.0464</b>	<b>10.9713</b>	<b>4.0378</b>	<b>8.5300e-003</b>	<b>6.0221</b>	<b>0.5325</b>	<b>6.5545</b>	<b>3.3102</b>	<b>0.4899</b>	<b>3.8001</b>		<b>827.3522</b>	<b>827.3522</b>	<b>0.2676</b>		<b>834.0418</b>

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**3.15 No. 6 Routine - Roads - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	1.0464	10.9713	4.0378	8.5300e-003		0.5325	0.5325		0.4899	0.4899	0.0000	827.3522	827.3522	0.2676		834.0418
<b>Total</b>	<b>1.0464</b>	<b>10.9713</b>	<b>4.0378</b>	<b>8.5300e-003</b>	<b>2.7099</b>	<b>0.5325</b>	<b>3.2424</b>	<b>1.4896</b>	<b>0.4899</b>	<b>1.9795</b>	<b>0.0000</b>	<b>827.3522</b>	<b>827.3522</b>	<b>0.2676</b>		<b>834.0418</b>

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**3.15 No. 6 Routine - Roads - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490

5.0 Energy Detail

Historical Energy Use: N

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**5.1 Mitigation Measures Energy**

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

**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>



Casitas R&M Program - Unmitigated - Ventura County APCD Air District, 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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Unmitigated	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

**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	0.3319					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3300e-003</b>

**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	0.3319					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3300e-003</b>

**7.0 Water Detail**

Casitas R&M Program - Unmitigated - Ventura County APCD Air District, Winter

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**7.1 Mitigation Measures Water****8.0 Waste Detail**

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**8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

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**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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Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**Casitas R&M Program - Mitigated (Non-Haul)**  
**Ventura County APCD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	40.00	Acre	40.00	1,742,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

Project Characteristics - 2022 operational year

Land Use - Total size of facility

Construction Phase - Duration lengths per PD

Off-road Equipment - Equipment list from PD. HP changed from defaults using spec sheets.

Off-road Equipment - No equipment

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Two 10-HP pumps to remove water from the fish ladder (per data request). Assume excavator used 6 days.

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Excavator to relocate large woody material

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Per equipment list in PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD. Conservatively assumed one dozer.

Off-road Equipment - Equipment list per PD

Trips and VMT - 10 construction workers driving individually, length of 10 miles (distance to edge of Ojai Valley Area). 1 water truck + 2 on-road trucks in vendor trips for Activity 1

Grading -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55. Tier 4 Final Mitigation.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	25
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
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
tblConstructionPhase	NumDays	75.00	60.00
tblConstructionPhase	NumDays	75.00	30.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	15.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	6.00
tblConstructionPhase	NumDays	75.00	10.00

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

tblConstructionPhase	NumDays	75.00	4.00
tblConstructionPhase	NumDays	75.00	20.00
tblConstructionPhase	NumDays	75.00	5.00
tblConstructionPhase	NumDays	75.00	10.00
tblOffRoadEquipment	HorsePower	158.00	162.00
tblOffRoadEquipment	HorsePower	158.00	286.00
tblOffRoadEquipment	HorsePower	187.00	165.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	354.00
tblOffRoadEquipment	HorsePower	97.00	202.00
tblOffRoadEquipment	HorsePower	402.00	320.00
tblOffRoadEquipment	HorsePower	84.00	10.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		No. 1 Forebay Sediment
tblOffRoadEquipment	UsageHours	8.00	0.00

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00



Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00

**2.0 Emissions Summary**

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Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**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	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-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
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.3300e-003</b>

**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	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-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
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.3300e-003</b>

## Casitas R&amp;M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, 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
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

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	No. 1 Forebay Sediment	Grading	1/4/2021	3/26/2021	5	60	
2	No. 2 Fish Ladder	Grading	3/29/2021	4/9/2021	5	10	
3	No. 2 Fish Ladder - heavy equipment	Grading	3/29/2021	4/5/2021	5	6	
4	No. 3 Rock Weir	Grading	4/12/2021	4/23/2021	5	10	
5	No. 3 Rock Weir - heavy equipment	Grading	4/12/2021	4/15/2021	5	4	
6	No. 4 Entrance Pool	Grading	4/26/2021	5/21/2021	5	20	
7	No. 4 Entrance Pool - heavy equipment	Grading	4/26/2021	4/30/2021	5	5	
8	No. 5 Concrete Structures	Grading	5/24/2021	6/4/2021	5	10	
9	No. 6 Routine - Timber	Grading	6/7/2021	7/16/2021	5	30	
10	No. 6 Routine - Debris Fence	Grading	7/19/2021	7/30/2021	5	10	
11	No. 6 Routine - Radial Gates	Grading	8/2/2021	8/13/2021	5	10	
12	No. 6 Routine - Instrumentation	Grading	8/16/2021	8/27/2021	5	10	
13	No. 6 Routine - Roads	Grading	8/30/2021	9/17/2021	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 40

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No. 1 Forebay Sediment	Excavators	1	8.00	162	0.38
No. 1 Forebay Sediment	Excavators	1	8.00	286	0.38
No. 1 Forebay Sediment	Graders	1	4.00	165	0.41
No. 1 Forebay Sediment	Off-Highway Trucks	1	8.00	320	0.38
No. 1 Forebay Sediment	Rubber Tired Dozers	1	4.00	215	0.40
No. 1 Forebay Sediment	Rubber Tired Dozers	1	4.00	354	0.40
No. 1 Forebay Sediment	Tractors/Loaders/Backhoes	2	8.00	202	0.37
No. 2 Fish Ladder	Excavators	1	0.00	158	0.38
No. 2 Fish Ladder - heavy equipment	Excavators	1	8.00	158	0.38
No. 2 Fish Ladder - heavy equipment	Pumps	2	8.00	10	0.74
No. 2 Fish Ladder - heavy equipment	Tractors/Loaders/Backhoes	1	8.00	97	0.37
No. 3 Rock Weir	Excavators	1	0.00	158	0.38
No. 3 Rock Weir - heavy equipment	Excavators	1	8.00	158	0.38
No. 4 Entrance Pool	Excavators	1	0.00	158	0.38
No. 4 Entrance Pool - heavy equipment	Excavators	1	8.00	158	0.38
No. 4 Entrance Pool - heavy equipment	Off-Highway Trucks	1	8.00	402	0.38
No. 4 Entrance Pool - heavy equipment	Rubber Tired Dozers	1	8.00	247	0.40
No. 5 Concrete Structures	Cement and Mortar Mixers	1	8.00	9	0.56
No. 5 Concrete Structures	Excavators	1	8.00	158	0.38
No. 5 Concrete Structures	Off-Highway Trucks	2	8.00	402	0.38
No. 5 Concrete Structures	Pumps	1	8.00	84	0.74
No. 6 Routine - Timber	Excavators	1	8.00	158	0.38
No. 6 Routine - Timber	Off-Highway Trucks	1	8.00	402	0.38

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No. 6 Routine - Timber	Plate Compactors	1	8.00	8	0.43
No. 6 Routine - Timber	Skid Steer Loaders	1	8.00	65	0.37
No. 6 Routine - Timber	Tractors/Loaders/Backhoes	2	8.00	97	0.37
No. 6 Routine - Debris Fence	Tractors/Loaders/Backhoes	1	8.00	97	0.37
No. 6 Routine - Radial Gates	Aerial Lifts	1	8.00	63	0.31
No. 6 Routine - Instrumentation	Aerial Lifts	1	0.00	63	0.31
No. 6 Routine - Roads	Rubber Tired Dozers	1	8.00	247	0.40

**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
No. 1 Forebay Sediment	8	20.00	6.00	0.00	10.00	7.30	10.00	LD_Mix	HDT_Mix	HHDT
No. 2 Fish Ladder	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 2 Fish Ladder - heavy equipment	4	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 3 Rock Weir	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 3 Rock Weir - heavy equipment	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 4 Entrance Pool	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 4 Entrance Pool - heavy equipment	3	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 5 Concrete Structures	5	20.00	2.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Timber	6	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Debris Fence	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Radial Gates	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Instrumentation	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Roads	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 No. 1 Forebay Sediment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2762	0.0000	3.2762	1.6837	0.0000	1.6837			0.0000			0.0000
Off-Road	2.9150	29.2032	20.3623	0.0508		1.2397	1.2397		1.1405	1.1405		4,915.0104	4,915.0104	1.5896		4,954.7508
<b>Total</b>	<b>2.9150</b>	<b>29.2032</b>	<b>20.3623</b>	<b>0.0508</b>	<b>3.2762</b>	<b>1.2397</b>	<b>4.5158</b>	<b>1.6837</b>	<b>1.1405</b>	<b>2.8242</b>		<b>4,915.0104</b>	<b>4,915.0104</b>	<b>1.5896</b>		<b>4,954.7508</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.2 No. 1 Forebay Sediment - 2021**

**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	0.0169	0.5788	0.1483	1.5400e-003	0.0406	1.6100e-003	0.0422	0.0117	1.5400e-003	0.0132		165.3514	165.3514	0.0127		165.6679
Worker	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0819</b>	<b>0.6158</b>	<b>0.6270</b>	<b>2.9700e-003</b>	<b>0.1927</b>	<b>2.6700e-003</b>	<b>0.1954</b>	<b>0.0520</b>	<b>2.5200e-003</b>	<b>0.0546</b>		<b>308.2677</b>	<b>308.2677</b>	<b>0.0163</b>		<b>308.6743</b>

**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					1.4743	0.0000	1.4743	0.7577	0.0000	0.7577			0.0000			0.0000
Off-Road	0.6232	2.7007	25.3753	0.0508		0.0831	0.0831		0.0831	0.0831	0.0000	4,915.0104	4,915.0104	1.5896		4,954.7508
<b>Total</b>	<b>0.6232</b>	<b>2.7007</b>	<b>25.3753</b>	<b>0.0508</b>	<b>1.4743</b>	<b>0.0831</b>	<b>1.5574</b>	<b>0.7577</b>	<b>0.0831</b>	<b>0.8408</b>	<b>0.0000</b>	<b>4,915.0104</b>	<b>4,915.0104</b>	<b>1.5896</b>		<b>4,954.7508</b>



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**3.2 No. 1 Forebay Sediment - 2021**

**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	0.0169	0.5788	0.1483	1.5400e-003	0.0333	1.6100e-003	0.0349	9.9000e-003	1.5400e-003	0.0114		165.3514	165.3514	0.0127		165.6679
Worker	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0819</b>	<b>0.6158</b>	<b>0.6270</b>	<b>2.9700e-003</b>	<b>0.1524</b>	<b>2.6700e-003</b>	<b>0.1551</b>	<b>0.0421</b>	<b>2.5200e-003</b>	<b>0.0447</b>		<b>308.2677</b>	<b>308.2677</b>	<b>0.0163</b>		<b>308.6743</b>

**3.3 No. 2 Fish Ladder - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.3 No. 2 Fish Ladder - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.3 No. 2 Fish Ladder - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.4 No. 2 Fish Ladder - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6036	5.2139	6.4537	0.0104		0.2721	0.2721		0.2548	0.2548		949.4336	949.4336	0.2758		956.3285
<b>Total</b>	<b>0.6036</b>	<b>5.2139</b>	<b>6.4537</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.2721</b>	<b>0.2721</b>	<b>0.0000</b>	<b>0.2548</b>	<b>0.2548</b>		<b>949.4336</b>	<b>949.4336</b>	<b>0.2758</b>		<b>956.3285</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.4 No. 2 Fish Ladder - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1015	0.4399	6.2601	0.0104		0.0135	0.0135		0.0135	0.0135	0.0000	949.4336	949.4336	0.2758		956.3285
<b>Total</b>	<b>0.1015</b>	<b>0.4399</b>	<b>6.2601</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.0135</b>	<b>0.0135</b>	<b>0.0000</b>	<b>0.0135</b>	<b>0.0135</b>	<b>0.0000</b>	<b>949.4336</b>	<b>949.4336</b>	<b>0.2758</b>		<b>956.3285</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.4 No. 2 Fish Ladder - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.5 No. 3 Rock Weir - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.5 No. 3 Rock Weir - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.5 No. 3 Rock Weir - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.6 No. 3 Rock Weir - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2292	2.1534	3.2718	5.1700e-003		0.1044	0.1044		0.0961	0.0961		500.1920	500.1920	0.1618		504.2363
<b>Total</b>	<b>0.2292</b>	<b>2.1534</b>	<b>3.2718</b>	<b>5.1700e-003</b>	<b>0.0000</b>	<b>0.1044</b>	<b>0.1044</b>	<b>0.0000</b>	<b>0.0961</b>	<b>0.0961</b>		<b>500.1920</b>	<b>500.1920</b>	<b>0.1618</b>		<b>504.2363</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.6 No. 3 Rock Weir - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0635	0.2753	3.9180	5.1700e-003		8.4700e-003	8.4700e-003		8.4700e-003	8.4700e-003	0.0000	500.1920	500.1920	0.1618		504.2363
<b>Total</b>	<b>0.0635</b>	<b>0.2753</b>	<b>3.9180</b>	<b>5.1700e-003</b>	<b>0.0000</b>	<b>8.4700e-003</b>	<b>8.4700e-003</b>	<b>0.0000</b>	<b>8.4700e-003</b>	<b>8.4700e-003</b>	<b>0.0000</b>	<b>500.1920</b>	<b>500.1920</b>	<b>0.1618</b>		<b>504.2363</b>



Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.6 No. 3 Rock Weir - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.7 No. 4 Entrance Pool - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.7 No. 4 Entrance Pool - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.7 No. 4 Entrance Pool - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.8 No. 4 Entrance Pool - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.8815	18.3881	10.9139	0.0269		0.8300	0.8300		0.7636	0.7636		2,606.0672	2,606.0672	0.8429		2,627.1385
<b>Total</b>	<b>1.8815</b>	<b>18.3881</b>	<b>10.9139</b>	<b>0.0269</b>	<b>6.0221</b>	<b>0.8300</b>	<b>6.8520</b>	<b>3.3102</b>	<b>0.7636</b>	<b>4.0738</b>		<b>2,606.0672</b>	<b>2,606.0672</b>	<b>0.8429</b>		<b>2,627.1385</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.8 No. 4 Entrance Pool - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	0.3297	1.4289	13.6789	0.0269		0.0440	0.0440		0.0440	0.0440	0.0000	2,606.0672	2,606.0672	0.8429		2,627.1385
<b>Total</b>	<b>0.3297</b>	<b>1.4289</b>	<b>13.6789</b>	<b>0.0269</b>	<b>2.7099</b>	<b>0.0440</b>	<b>2.7539</b>	<b>1.4896</b>	<b>0.0440</b>	<b>1.5336</b>	<b>0.0000</b>	<b>2,606.0672</b>	<b>2,606.0672</b>	<b>0.8429</b>		<b>2,627.1385</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.8 No. 4 Entrance Pool - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.9 No. 5 Concrete Structures - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.8802	16.2583	14.5295	0.0389		0.6825	0.6825		0.6432	0.6432		3,730.7899	3,730.7899	1.0280		3,756.4900
<b>Total</b>	<b>1.8802</b>	<b>16.2583</b>	<b>14.5295</b>	<b>0.0389</b>	<b>0.0000</b>	<b>0.6825</b>	<b>0.6825</b>	<b>0.0000</b>	<b>0.6432</b>	<b>0.6432</b>		<b>3,730.7899</b>	<b>3,730.7899</b>	<b>1.0280</b>		<b>3,756.4900</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.9 No. 5 Concrete Structures - 2021**

**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	5.6200e-003	0.1929	0.0494	5.1000e-004	0.0135	5.4000e-004	0.0141	3.8900e-003	5.1000e-004	4.4000e-003		55.1171	55.1171	4.2200e-003		55.2226
Worker	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0706</b>	<b>0.2299</b>	<b>0.5281</b>	<b>1.9400e-003</b>	<b>0.1657</b>	<b>1.6000e-003</b>	<b>0.1673</b>	<b>0.0443</b>	<b>1.4900e-003</b>	<b>0.0457</b>		<b>198.0334</b>	<b>198.0334</b>	<b>7.8300e-003</b>		<b>198.2291</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4526	1.9614	19.8290	0.0389		0.0604	0.0604		0.0604	0.0604	0.0000	3,730.7899	3,730.7899	1.0280		3,756.4900
<b>Total</b>	<b>0.4526</b>	<b>1.9614</b>	<b>19.8290</b>	<b>0.0389</b>	<b>0.0000</b>	<b>0.0604</b>	<b>0.0604</b>	<b>0.0000</b>	<b>0.0604</b>	<b>0.0604</b>	<b>0.0000</b>	<b>3,730.7899</b>	<b>3,730.7899</b>	<b>1.0280</b>		<b>3,756.4900</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.9 No. 5 Concrete Structures - 2021**

**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	5.6200e-003	0.1929	0.0494	5.1000e-004	0.0111	5.4000e-004	0.0116	3.3000e-003	5.1000e-004	3.8100e-003		55.1171	55.1171	4.2200e-003		55.2226
Worker	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0706</b>	<b>0.2299</b>	<b>0.5281</b>	<b>1.9400e-003</b>	<b>0.1302</b>	<b>1.6000e-003</b>	<b>0.1318</b>	<b>0.0355</b>	<b>1.4900e-003</b>	<b>0.0370</b>		<b>198.0334</b>	<b>198.0334</b>	<b>7.8300e-003</b>		<b>198.2291</b>

**3.10 No. 6 Routine - Timber - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3252	12.4632	12.9971	0.0271		0.5717	0.5717		0.5267	0.5267		2,615.1929	2,615.1929	0.8382		2,636.1487
<b>Total</b>	<b>1.3252</b>	<b>12.4632</b>	<b>12.9971</b>	<b>0.0271</b>	<b>0.0000</b>	<b>0.5717</b>	<b>0.5717</b>	<b>0.0000</b>	<b>0.5267</b>	<b>0.5267</b>		<b>2,615.1929</b>	<b>2,615.1929</b>	<b>0.8382</b>		<b>2,636.1487</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.10 No. 6 Routine - Timber - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3521	2.4672	16.0989	0.0271		0.0436	0.0436		0.0436	0.0436	0.0000	2,615.1929	2,615.1929	0.8382		2,636.1487
<b>Total</b>	<b>0.3521</b>	<b>2.4672</b>	<b>16.0989</b>	<b>0.0271</b>	<b>0.0000</b>	<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>2,615.1929</b>	<b>2,615.1929</b>	<b>0.8382</b>		<b>2,636.1487</b>



Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.10 No. 6 Routine - Timber - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.11 No. 6 Routine - Debris Fence - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1873	1.8958	2.2602	3.1100e-003		0.1118	0.1118		0.1028	0.1028		300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.1873</b>	<b>1.8958</b>	<b>2.2602</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>0.1118</b>	<b>0.1118</b>	<b>0.0000</b>	<b>0.1028</b>	<b>0.1028</b>		<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.11 No. 6 Routine - Debris Fence - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0380	0.1646	2.3421	3.1100e-003		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003	0.0000	300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.0380</b>	<b>0.1646</b>	<b>2.3421</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>5.0600e-003</b>	<b>5.0600e-003</b>	<b>0.0000</b>	<b>5.0600e-003</b>	<b>5.0600e-003</b>	<b>0.0000</b>	<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.11 No. 6 Routine - Debris Fence - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.12 No. 6 Routine - Radial Gates - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0375	0.6006	1.0941	1.6800e-003		0.0115	0.0115		0.0105	0.0105		162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0375</b>	<b>0.6006</b>	<b>1.0941</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>0.0105</b>	<b>0.0105</b>		<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.12 No. 6 Routine - Radial Gates - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0413	0.9438	1.2745	1.6800e-003		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0413</b>	<b>0.9438</b>	<b>1.2745</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>2.7600e-003</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>2.7600e-003</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.12 No. 6 Routine - Radial Gates - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.13 No. 6 Routine - Instrumentation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.13 No. 6 Routine - Instrumentation - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.13 No. 6 Routine - Instrumentation - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.14 No. 6 Routine - Roads - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.0464	10.9713	4.0378	8.5300e-003		0.5325	0.5325		0.4899	0.4899		827.3522	827.3522	0.2676		834.0418
<b>Total</b>	<b>1.0464</b>	<b>10.9713</b>	<b>4.0378</b>	<b>8.5300e-003</b>	<b>6.0221</b>	<b>0.5325</b>	<b>6.5545</b>	<b>3.3102</b>	<b>0.4899</b>	<b>3.8001</b>		<b>827.3522</b>	<b>827.3522</b>	<b>0.2676</b>		<b>834.0418</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.14 No. 6 Routine - Roads - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	0.1046	0.4531	3.8336	8.5300e-003		0.0139	0.0139		0.0139	0.0139	0.0000	827.3522	827.3522	0.2676		834.0418
<b>Total</b>	<b>0.1046</b>	<b>0.4531</b>	<b>3.8336</b>	<b>8.5300e-003</b>	<b>2.7099</b>	<b>0.0139</b>	<b>2.7239</b>	<b>1.4896</b>	<b>0.0139</b>	<b>1.5035</b>	<b>0.0000</b>	<b>827.3522</b>	<b>827.3522</b>	<b>0.2676</b>		<b>834.0418</b>



Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**3.14 No. 6 Routine - Roads - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490

5.0 Energy Detail

Historical Energy Use: N

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**5.1 Mitigation Measures Energy**

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

**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, 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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Unmitigated	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

**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	0.3319					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3300e-003</b>

**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	0.3319					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3300e-003</b>

**7.0 Water Detail**

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Summer

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**7.1 Mitigation Measures Water****8.0 Waste Detail**

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**8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

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**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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Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**Casitas R&M Program - Mitigated (Non-Haul)**  
**Ventura County APCD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	40.00	Acre	40.00	1,742,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

Project Characteristics - 2022 operational year

Land Use - Total size of facility

Construction Phase - Duration lengths per PD

Off-road Equipment - Equipment list from PD. HP changed from defaults using spec sheets.

Off-road Equipment - No equipment

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Two 10-HP pumps to remove water from the fish ladder (per data request). Assume excavator used 6 days.

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Excavator to relocate large woody material

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Per equipment list in PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD. Conservatively assumed one dozer.

Off-road Equipment - Equipment list per PD

Trips and VMT - 10 construction workers driving individually, length of 10 miles (distance to edge of Ojai Valley Area). 1 water truck + 2 on-road trucks in vendor trips for Activity 1

Grading -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55. Tier 4 Final Mitigation.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	25
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00



Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
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
tblConstructionPhase	NumDays	75.00	60.00
tblConstructionPhase	NumDays	75.00	30.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	15.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	6.00
tblConstructionPhase	NumDays	75.00	10.00

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

tblConstructionPhase	NumDays	75.00	4.00
tblConstructionPhase	NumDays	75.00	20.00
tblConstructionPhase	NumDays	75.00	5.00
tblConstructionPhase	NumDays	75.00	10.00
tblOffRoadEquipment	HorsePower	158.00	162.00
tblOffRoadEquipment	HorsePower	158.00	286.00
tblOffRoadEquipment	HorsePower	187.00	165.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	354.00
tblOffRoadEquipment	HorsePower	97.00	202.00
tblOffRoadEquipment	HorsePower	402.00	320.00
tblOffRoadEquipment	HorsePower	84.00	10.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		No. 1 Forebay Sediment
tblOffRoadEquipment	UsageHours	8.00	0.00

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
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tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00

**2.0 Emissions Summary**

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Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, 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	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-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
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.3300e-003</b>

**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	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-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
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.3300e-003</b>

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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	No. 1 Forebay Sediment	Grading	1/4/2021	3/26/2021	5	60	
2	No. 2 Fish Ladder	Grading	3/29/2021	4/9/2021	5	10	
3	No. 2 Fish Ladder - heavy equipment	Grading	3/29/2021	4/5/2021	5	6	
4	No. 3 Rock Weir	Grading	4/12/2021	4/23/2021	5	10	
5	No. 3 Rock Weir - heavy equipment	Grading	4/12/2021	4/15/2021	5	4	
6	No. 4 Entrance Pool	Grading	4/26/2021	5/21/2021	5	20	
7	No. 4 Entrance Pool - heavy equipment	Grading	4/26/2021	4/30/2021	5	5	
8	No. 5 Concrete Structures	Grading	5/24/2021	6/4/2021	5	10	
9	No. 6 Routine - Timber	Grading	6/7/2021	7/16/2021	5	30	
10	No. 6 Routine - Debris Fence	Grading	7/19/2021	7/30/2021	5	10	
11	No. 6 Routine - Radial Gates	Grading	8/2/2021	8/13/2021	5	10	
12	No. 6 Routine - Instrumentation	Grading	8/16/2021	8/27/2021	5	10	
13	No. 6 Routine - Roads	Grading	8/30/2021	9/17/2021	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 40

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**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No. 1 Forebay Sediment	Excavators	1	8.00	162	0.38
No. 1 Forebay Sediment	Excavators	1	8.00	286	0.38
No. 1 Forebay Sediment	Graders	1	4.00	165	0.41
No. 1 Forebay Sediment	Off-Highway Trucks	1	8.00	320	0.38
No. 1 Forebay Sediment	Rubber Tired Dozers	1	4.00	215	0.40
No. 1 Forebay Sediment	Rubber Tired Dozers	1	4.00	354	0.40
No. 1 Forebay Sediment	Tractors/Loaders/Backhoes	2	8.00	202	0.37
No. 2 Fish Ladder	Excavators	1	0.00	158	0.38
No. 2 Fish Ladder - heavy equipment	Excavators	1	8.00	158	0.38
No. 2 Fish Ladder - heavy equipment	Pumps	2	8.00	10	0.74
No. 2 Fish Ladder - heavy equipment	Tractors/Loaders/Backhoes	1	8.00	97	0.37
No. 3 Rock Weir	Excavators	1	0.00	158	0.38
No. 3 Rock Weir - heavy equipment	Excavators	1	8.00	158	0.38
No. 4 Entrance Pool	Excavators	1	0.00	158	0.38
No. 4 Entrance Pool - heavy equipment	Excavators	1	8.00	158	0.38
No. 4 Entrance Pool - heavy equipment	Off-Highway Trucks	1	8.00	402	0.38
No. 4 Entrance Pool - heavy equipment	Rubber Tired Dozers	1	8.00	247	0.40
No. 5 Concrete Structures	Cement and Mortar Mixers	1	8.00	9	0.56
No. 5 Concrete Structures	Excavators	1	8.00	158	0.38
No. 5 Concrete Structures	Off-Highway Trucks	2	8.00	402	0.38
No. 5 Concrete Structures	Pumps	1	8.00	84	0.74
No. 6 Routine - Timber	Excavators	1	8.00	158	0.38
No. 6 Routine - Timber	Off-Highway Trucks	1	8.00	402	0.38



Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

No. 6 Routine - Timber	Plate Compactors	1	8.00	8	0.43
No. 6 Routine - Timber	Skid Steer Loaders	1	8.00	65	0.37
No. 6 Routine - Timber	Tractors/Loaders/Backhoes	2	8.00	97	0.37
No. 6 Routine - Debris Fence	Tractors/Loaders/Backhoes	1	8.00	97	0.37
No. 6 Routine - Radial Gates	Aerial Lifts	1	8.00	63	0.31
No. 6 Routine - Instrumentation	Aerial Lifts	1	0.00	63	0.31
No. 6 Routine - Roads	Rubber Tired Dozers	1	8.00	247	0.40

**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
No. 1 Forebay Sediment	8	20.00	6.00	0.00	10.00	7.30	10.00	LD_Mix	HDT_Mix	HHDT
No. 2 Fish Ladder	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 2 Fish Ladder - heavy equipment	4	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 3 Rock Weir	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 3 Rock Weir - heavy equipment	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 4 Entrance Pool	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 4 Entrance Pool - heavy equipment	3	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 5 Concrete Structures	5	20.00	2.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Timber	6	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Debris Fence	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Radial Gates	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Instrumentation	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Roads	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 No. 1 Forebay Sediment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2762	0.0000	3.2762	1.6837	0.0000	1.6837			0.0000			0.0000
Off-Road	2.9150	29.2032	20.3623	0.0508		1.2397	1.2397		1.1405	1.1405		4,915.0104	4,915.0104	1.5896		4,954.7508
<b>Total</b>	<b>2.9150</b>	<b>29.2032</b>	<b>20.3623</b>	<b>0.0508</b>	<b>3.2762</b>	<b>1.2397</b>	<b>4.5158</b>	<b>1.6837</b>	<b>1.1405</b>	<b>2.8242</b>		<b>4,915.0104</b>	<b>4,915.0104</b>	<b>1.5896</b>		<b>4,954.7508</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.2 No. 1 Forebay Sediment - 2021**

**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	0.0179	0.5779	0.1678	1.5000e-003	0.0406	1.7000e-003	0.0423	0.0117	1.6300e-003	0.0133		161.2941	161.2941	0.0135		161.6307
Worker	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0912</b>	<b>0.6213</b>	<b>0.6360</b>	<b>2.8700e-003</b>	<b>0.1927</b>	<b>2.7600e-003</b>	<b>0.1955</b>	<b>0.0520</b>	<b>2.6100e-003</b>	<b>0.0546</b>		<b>297.2965</b>	<b>297.2965</b>	<b>0.0170</b>		<b>297.7203</b>

**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					1.4743	0.0000	1.4743	0.7577	0.0000	0.7577			0.0000			0.0000
Off-Road	0.6232	2.7007	25.3753	0.0508		0.0831	0.0831		0.0831	0.0831	0.0000	4,915.0104	4,915.0104	1.5896		4,954.7508
<b>Total</b>	<b>0.6232</b>	<b>2.7007</b>	<b>25.3753</b>	<b>0.0508</b>	<b>1.4743</b>	<b>0.0831</b>	<b>1.5574</b>	<b>0.7577</b>	<b>0.0831</b>	<b>0.8408</b>	<b>0.0000</b>	<b>4,915.0104</b>	<b>4,915.0104</b>	<b>1.5896</b>		<b>4,954.7508</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.2 No. 1 Forebay Sediment - 2021**

**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	0.0179	0.5779	0.1678	1.5000e-003	0.0333	1.7000e-003	0.0350	9.9000e-003	1.6300e-003	0.0115		161.2941	161.2941	0.0135		161.6307
Worker	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0912</b>	<b>0.6213</b>	<b>0.6360</b>	<b>2.8700e-003</b>	<b>0.1524</b>	<b>2.7600e-003</b>	<b>0.1552</b>	<b>0.0421</b>	<b>2.6100e-003</b>	<b>0.0447</b>		<b>297.2965</b>	<b>297.2965</b>	<b>0.0170</b>		<b>297.7203</b>

**3.3 No. 2 Fish Ladder - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.3 No. 2 Fish Ladder - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.3 No. 2 Fish Ladder - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.4 No. 2 Fish Ladder - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6036	5.2139	6.4537	0.0104		0.2721	0.2721		0.2548	0.2548		949.4336	949.4336	0.2758		956.3285
<b>Total</b>	<b>0.6036</b>	<b>5.2139</b>	<b>6.4537</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.2721</b>	<b>0.2721</b>	<b>0.0000</b>	<b>0.2548</b>	<b>0.2548</b>		<b>949.4336</b>	<b>949.4336</b>	<b>0.2758</b>		<b>956.3285</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.4 No. 2 Fish Ladder - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1015	0.4399	6.2601	0.0104		0.0135	0.0135		0.0135	0.0135	0.0000	949.4336	949.4336	0.2758		956.3285
<b>Total</b>	<b>0.1015</b>	<b>0.4399</b>	<b>6.2601</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.0135</b>	<b>0.0135</b>	<b>0.0000</b>	<b>0.0135</b>	<b>0.0135</b>	<b>0.0000</b>	<b>949.4336</b>	<b>949.4336</b>	<b>0.2758</b>		<b>956.3285</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.4 No. 2 Fish Ladder - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.5 No. 3 Rock Weir - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.5 No. 3 Rock Weir - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.5 No. 3 Rock Weir - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.6 No. 3 Rock Weir - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2292	2.1534	3.2718	5.1700e-003		0.1044	0.1044		0.0961	0.0961		500.1920	500.1920	0.1618		504.2363
<b>Total</b>	<b>0.2292</b>	<b>2.1534</b>	<b>3.2718</b>	<b>5.1700e-003</b>	<b>0.0000</b>	<b>0.1044</b>	<b>0.1044</b>	<b>0.0000</b>	<b>0.0961</b>	<b>0.0961</b>		<b>500.1920</b>	<b>500.1920</b>	<b>0.1618</b>		<b>504.2363</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.6 No. 3 Rock Weir - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0635	0.2753	3.9180	5.1700e-003		8.4700e-003	8.4700e-003		8.4700e-003	8.4700e-003	0.0000	500.1920	500.1920	0.1618		504.2363
<b>Total</b>	<b>0.0635</b>	<b>0.2753</b>	<b>3.9180</b>	<b>5.1700e-003</b>	<b>0.0000</b>	<b>8.4700e-003</b>	<b>8.4700e-003</b>	<b>0.0000</b>	<b>8.4700e-003</b>	<b>8.4700e-003</b>	<b>0.0000</b>	<b>500.1920</b>	<b>500.1920</b>	<b>0.1618</b>		<b>504.2363</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.6 No. 3 Rock Weir - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.7 No. 4 Entrance Pool - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.7 No. 4 Entrance Pool - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.7 No. 4 Entrance Pool - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.8 No. 4 Entrance Pool - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.8815	18.3881	10.9139	0.0269		0.8300	0.8300		0.7636	0.7636		2,606.0672	2,606.0672	0.8429		2,627.1385
<b>Total</b>	<b>1.8815</b>	<b>18.3881</b>	<b>10.9139</b>	<b>0.0269</b>	<b>6.0221</b>	<b>0.8300</b>	<b>6.8520</b>	<b>3.3102</b>	<b>0.7636</b>	<b>4.0738</b>		<b>2,606.0672</b>	<b>2,606.0672</b>	<b>0.8429</b>		<b>2,627.1385</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.8 No. 4 Entrance Pool - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	0.3297	1.4289	13.6789	0.0269		0.0440	0.0440		0.0440	0.0440	0.0000	2,606.0672	2,606.0672	0.8429		2,627.1385
<b>Total</b>	<b>0.3297</b>	<b>1.4289</b>	<b>13.6789</b>	<b>0.0269</b>	<b>2.7099</b>	<b>0.0440</b>	<b>2.7539</b>	<b>1.4896</b>	<b>0.0440</b>	<b>1.5336</b>	<b>0.0000</b>	<b>2,606.0672</b>	<b>2,606.0672</b>	<b>0.8429</b>		<b>2,627.1385</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.8 No. 4 Entrance Pool - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.9 No. 5 Concrete Structures - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.8802	16.2583	14.5295	0.0389		0.6825	0.6825		0.6432	0.6432		3,730.7899	3,730.7899	1.0280		3,756.4900
<b>Total</b>	<b>1.8802</b>	<b>16.2583</b>	<b>14.5295</b>	<b>0.0389</b>	<b>0.0000</b>	<b>0.6825</b>	<b>0.6825</b>	<b>0.0000</b>	<b>0.6432</b>	<b>0.6432</b>		<b>3,730.7899</b>	<b>3,730.7899</b>	<b>1.0280</b>		<b>3,756.4900</b>



Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.9 No. 5 Concrete Structures - 2021**

**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	5.9700e-003	0.1926	0.0559	5.0000e-004	0.0135	5.7000e-004	0.0141	3.8900e-003	5.4000e-004	4.4300e-003		53.7647	53.7647	4.4900e-003		53.8769
Worker	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0793</b>	<b>0.2360</b>	<b>0.5242</b>	<b>1.8700e-003</b>	<b>0.1657</b>	<b>1.6300e-003</b>	<b>0.1673</b>	<b>0.0443</b>	<b>1.5200e-003</b>	<b>0.0458</b>		<b>189.7671</b>	<b>189.7671</b>	<b>7.9800e-003</b>		<b>189.9665</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4526	1.9614	19.8290	0.0389		0.0604	0.0604		0.0604	0.0604	0.0000	3,730.7899	3,730.7899	1.0280		3,756.4900
<b>Total</b>	<b>0.4526</b>	<b>1.9614</b>	<b>19.8290</b>	<b>0.0389</b>	<b>0.0000</b>	<b>0.0604</b>	<b>0.0604</b>	<b>0.0000</b>	<b>0.0604</b>	<b>0.0604</b>	<b>0.0000</b>	<b>3,730.7899</b>	<b>3,730.7899</b>	<b>1.0280</b>		<b>3,756.4900</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.9 No. 5 Concrete Structures - 2021**

**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	5.9700e-003	0.1926	0.0559	5.0000e-004	0.0111	5.7000e-004	0.0117	3.3000e-003	5.4000e-004	3.8400e-003		53.7647	53.7647	4.4900e-003		53.8769
Worker	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0793</b>	<b>0.2360</b>	<b>0.5242</b>	<b>1.8700e-003</b>	<b>0.1302</b>	<b>1.6300e-003</b>	<b>0.1318</b>	<b>0.0355</b>	<b>1.5200e-003</b>	<b>0.0371</b>		<b>189.7671</b>	<b>189.7671</b>	<b>7.9800e-003</b>		<b>189.9665</b>

**3.10 No. 6 Routine - Timber - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3252	12.4632	12.9971	0.0271		0.5717	0.5717		0.5267	0.5267		2,615.1929	2,615.1929	0.8382		2,636.1487
<b>Total</b>	<b>1.3252</b>	<b>12.4632</b>	<b>12.9971</b>	<b>0.0271</b>	<b>0.0000</b>	<b>0.5717</b>	<b>0.5717</b>	<b>0.0000</b>	<b>0.5267</b>	<b>0.5267</b>		<b>2,615.1929</b>	<b>2,615.1929</b>	<b>0.8382</b>		<b>2,636.1487</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.10 No. 6 Routine - Timber - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3521	2.4672	16.0989	0.0271		0.0436	0.0436		0.0436	0.0436	0.0000	2,615.1929	2,615.1929	0.8382		2,636.1487
<b>Total</b>	<b>0.3521</b>	<b>2.4672</b>	<b>16.0989</b>	<b>0.0271</b>	<b>0.0000</b>	<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>2,615.1929</b>	<b>2,615.1929</b>	<b>0.8382</b>		<b>2,636.1487</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.10 No. 6 Routine - Timber - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.11 No. 6 Routine - Debris Fence - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1873	1.8958	2.2602	3.1100e-003		0.1118	0.1118		0.1028	0.1028		300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.1873</b>	<b>1.8958</b>	<b>2.2602</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>0.1118</b>	<b>0.1118</b>	<b>0.0000</b>	<b>0.1028</b>	<b>0.1028</b>		<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.11 No. 6 Routine - Debris Fence - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0380	0.1646	2.3421	3.1100e-003		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003	0.0000	300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.0380</b>	<b>0.1646</b>	<b>2.3421</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>5.0600e-003</b>	<b>5.0600e-003</b>	<b>0.0000</b>	<b>5.0600e-003</b>	<b>5.0600e-003</b>	<b>0.0000</b>	<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.11 No. 6 Routine - Debris Fence - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.12 No. 6 Routine - Radial Gates - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0375	0.6006	1.0941	1.6800e-003		0.0115	0.0115		0.0105	0.0105		162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0375</b>	<b>0.6006</b>	<b>1.0941</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>0.0105</b>	<b>0.0105</b>		<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.12 No. 6 Routine - Radial Gates - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0413	0.9438	1.2745	1.6800e-003		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0413</b>	<b>0.9438</b>	<b>1.2745</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>2.7600e-003</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>2.7600e-003</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.12 No. 6 Routine - Radial Gates - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.13 No. 6 Routine - Instrumentation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.13 No. 6 Routine - Instrumentation - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.13 No. 6 Routine - Instrumentation - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.14 No. 6 Routine - Roads - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.0464	10.9713	4.0378	8.5300e-003		0.5325	0.5325		0.4899	0.4899		827.3522	827.3522	0.2676		834.0418
<b>Total</b>	<b>1.0464</b>	<b>10.9713</b>	<b>4.0378</b>	<b>8.5300e-003</b>	<b>6.0221</b>	<b>0.5325</b>	<b>6.5545</b>	<b>3.3102</b>	<b>0.4899</b>	<b>3.8001</b>		<b>827.3522</b>	<b>827.3522</b>	<b>0.2676</b>		<b>834.0418</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.14 No. 6 Routine - Roads - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	0.1046	0.4531	3.8336	8.5300e-003		0.0139	0.0139		0.0139	0.0139	0.0000	827.3522	827.3522	0.2676		834.0418
<b>Total</b>	<b>0.1046</b>	<b>0.4531</b>	<b>3.8336</b>	<b>8.5300e-003</b>	<b>2.7099</b>	<b>0.0139</b>	<b>2.7239</b>	<b>1.4896</b>	<b>0.0139</b>	<b>1.5035</b>	<b>0.0000</b>	<b>827.3522</b>	<b>827.3522</b>	<b>0.2676</b>		<b>834.0418</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**3.14 No. 6 Routine - Roads - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490

5.0 Energy Detail

Historical Energy Use: N

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**5.1 Mitigation Measures Energy**

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

**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, 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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Unmitigated	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

**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	0.3319					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3300e-003</b>

**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	0.3319					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3300e-003</b>

**7.0 Water Detail**



Casitas R&M Program - Mitigated (Non-Haul) - Ventura County APCD Air District, Winter

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**7.1 Mitigation Measures Water****8.0 Waste Detail**

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**8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

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**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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Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**Casitas R&M Program - Mitigated**  
**Ventura County APCD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	40.00	Acre	40.00	1,742,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

Project Characteristics - 2022 operational year

Land Use - Total size of facility

Construction Phase - Duration lengths per PD

Off-road Equipment - Equipment list from PD. HP changed from defaults using spec sheets. Off-site haul trips modeled in vehicle trips.

Off-road Equipment - No equipment

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Two 10-HP pumps to remove water from the fish ladder (per data request). Assume excavator used 6 days.

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Excavator to relocate large woody material

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Per equipment list in PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD. Conservatively assumed one dozer.

Off-road Equipment - Equipment list per PD

Trips and VMT - 10 construction workers driving individually, length of 10 miles (distance to edge of Ojai Valley Area). MITIGATED 21 cy dump trucks for 5,000 cy of soil (478 one-way trips). 1 water truck + 2 on-road trucks in vendor trips for Activity 1

Grading -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55. Tier 4 Final Mitigation.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	25
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
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
tblConstructionPhase	NumDays	75.00	60.00
tblConstructionPhase	NumDays	75.00	30.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	15.00
tblConstructionPhase	NumDays	75.00	60.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	6.00

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	4.00
tblConstructionPhase	NumDays	75.00	20.00
tblConstructionPhase	NumDays	75.00	5.00
tblConstructionPhase	NumDays	75.00	10.00
tblOffRoadEquipment	HorsePower	158.00	162.00
tblOffRoadEquipment	HorsePower	158.00	286.00
tblOffRoadEquipment	HorsePower	187.00	165.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	354.00
tblOffRoadEquipment	HorsePower	97.00	202.00
tblOffRoadEquipment	HorsePower	402.00	320.00
tblOffRoadEquipment	HorsePower	84.00	10.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	HaulingTripNumber	0.00	478.00
tblTripsAndVMT	HaulingTripNumber	0.00	478.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
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tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00

## Casitas R&amp;M Program - Mitigated - Ventura County APCD Air District, Summer

tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00

## 2.0 Emissions Summary

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Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**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	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-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
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.3300e-003</b>

**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	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-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
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.3300e-003</b>

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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	No. 1 Forebay Sediment	Grading	1/4/2021	3/26/2021	5	60	
2	No. 1 Forebay Sediment - haul trip	Grading	1/4/2021	3/26/2021	5	60	
3	No. 2 Fish Ladder	Grading	3/29/2021	4/9/2021	5	10	
4	No. 2 Fish Ladder - heavy equipment	Grading	3/29/2021	4/5/2021	5	6	
5	No. 3 Rock Weir	Grading	4/12/2021	4/23/2021	5	10	
6	No. 3 Rock Weir - heavy equipment	Grading	4/12/2021	4/15/2021	5	4	
7	No. 4 Entrance Pool	Grading	4/26/2021	5/21/2021	5	20	
8	No. 4 Entrance Pool - heavy equipment	Grading	4/26/2021	4/30/2021	5	5	
9	No. 5 Concrete Structures	Grading	5/24/2021	6/4/2021	5	10	
10	No. 6 Routine - Timber	Grading	6/7/2021	7/16/2021	5	30	
11	No. 6 Routine - Debris Fence	Grading	7/19/2021	7/30/2021	5	10	
12	No. 6 Routine - Radial Gates	Grading	8/2/2021	8/13/2021	5	10	
13	No. 6 Routine - Instrumentation	Grading	8/16/2021	8/27/2021	5	10	
14	No. 6 Routine - Roads	Grading	8/30/2021	9/17/2021	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 40

## Casitas R&amp;M Program - Mitigated - Ventura County APCD Air District, Summer

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No. 1 Forebay Sediment	Excavators	1	8.00	162	0.38
No. 1 Forebay Sediment	Excavators	1	8.00	286	0.38
No. 1 Forebay Sediment	Graders	1	4.00	165	0.41
No. 1 Forebay Sediment	Off-Highway Trucks	1	8.00	320	0.38
No. 1 Forebay Sediment	Rubber Tired Dozers	1	4.00	215	0.40
No. 1 Forebay Sediment	Rubber Tired Dozers	1	4.00	354	0.40
No. 1 Forebay Sediment	Tractors/Loaders/Backhoes	2	8.00	202	0.37
No. 1 Forebay Sediment - haul trip	Graders	1	0.00	187	0.41
No. 2 Fish Ladder	Excavators	1	0.00	158	0.38
No. 2 Fish Ladder - heavy equipment	Excavators	1	8.00	158	0.38
No. 2 Fish Ladder - heavy equipment	Pumps	2	8.00	10	0.74
No. 2 Fish Ladder - heavy equipment	Tractors/Loaders/Backhoes	1	8.00	97	0.37
No. 3 Rock Weir	Excavators	1	0.00	158	0.38
No. 3 Rock Weir - heavy equipment	Excavators	1	8.00	158	0.38
No. 4 Entrance Pool	Excavators	1	0.00	158	0.38
No. 4 Entrance Pool - heavy equipment	Excavators	1	8.00	158	0.38
No. 4 Entrance Pool - heavy equipment	Off-Highway Trucks	1	8.00	402	0.38
No. 4 Entrance Pool - heavy equipment	Rubber Tired Dozers	1	8.00	247	0.40
No. 5 Concrete Structures	Cement and Mortar Mixers	1	8.00	9	0.56
No. 5 Concrete Structures	Excavators	1	8.00	158	0.38
No. 5 Concrete Structures	Off-Highway Trucks	2	8.00	402	0.38
No. 5 Concrete Structures	Pumps	1	8.00	84	0.74
No. 6 Routine - Timber	Excavators	1	8.00	158	0.38

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

No. 6 Routine - Timber	Off-Highway Trucks	1	8.00	402	0.38
No. 6 Routine - Timber	Plate Compactors	1	8.00	8	0.43
No. 6 Routine - Timber	Skid Steer Loaders	1	8.00	65	0.37
No. 6 Routine - Timber	Tractors/Loaders/Backhoes	2	8.00	97	0.37
No. 6 Routine - Debris Fence	Tractors/Loaders/Backhoes	1	8.00	97	0.37
No. 6 Routine - Radial Gates	Aerial Lifts	1	8.00	63	0.31
No. 6 Routine - Instrumentation	Aerial Lifts	1	0.00	63	0.31
No. 6 Routine - Roads	Rubber Tired Dozers	1	8.00	247	0.40

**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
No. 1 Forebay Sediment	8	20.00	6.00	478.00	10.00	7.30	10.00	LD_Mix	HDT_Mix	HHDT
No. 1 Forebay Sediment - haul trip	1	20.00	0.00	478.00	0.00	0.00	40.00	LD_Mix	HDT_Mix	HHDT
No. 2 Fish Ladder	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 2 Fish Ladder - heavy equipment	4	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 3 Rock Weir	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 3 Rock Weir - heavy equipment	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 4 Entrance Pool	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 4 Entrance Pool - heavy equipment	3	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 5 Concrete Structures	5	20.00	2.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Timber	6	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Debris Fence	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Radial Gates	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Instrumentation	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Roads	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 No. 1 Forebay Sediment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2762	0.0000	3.2762	1.6837	0.0000	1.6837			0.0000			0.0000
Off-Road	2.9150	29.2032	20.3623	0.0508		1.2397	1.2397		1.1405	1.1405		4,915.010 4	4,915.010 4	1.5896		4,954.750 8
<b>Total</b>	<b>2.9150</b>	<b>29.2032</b>	<b>20.3623</b>	<b>0.0508</b>	<b>3.2762</b>	<b>1.2397</b>	<b>4.5158</b>	<b>1.6837</b>	<b>1.1405</b>	<b>2.8242</b>		<b>4,915.010 4</b>	<b>4,915.010 4</b>	<b>1.5896</b>		<b>4,954.750 8</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.2 No. 1 Forebay Sediment - 2021**

**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	0.0334	1.3453	0.2748	3.3500e-003	0.0695	4.2300e-003	0.0737	0.0190	4.0500e-003	0.0231		366.5178	366.5178	0.0379		367.4641
Vendor	0.0169	0.5788	0.1483	1.5400e-003	0.0406	1.6100e-003	0.0422	0.0117	1.5400e-003	0.0132		165.3514	165.3514	0.0127		165.6679
Worker	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.1153</b>	<b>1.9610</b>	<b>0.9017</b>	<b>6.3200e-003</b>	<b>0.2622</b>	<b>6.9000e-003</b>	<b>0.2691</b>	<b>0.0711</b>	<b>6.5700e-003</b>	<b>0.0776</b>		<b>674.7855</b>	<b>674.7855</b>	<b>0.0541</b>		<b>676.1384</b>

**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					1.4743	0.0000	1.4743	0.7577	0.0000	0.7577			0.0000			0.0000
Off-Road	0.6232	2.7007	25.3753	0.0508		0.0831	0.0831		0.0831	0.0831	0.0000	4,915.0104	4,915.0104	1.5896		4,954.7508
<b>Total</b>	<b>0.6232</b>	<b>2.7007</b>	<b>25.3753</b>	<b>0.0508</b>	<b>1.4743</b>	<b>0.0831</b>	<b>1.5574</b>	<b>0.7577</b>	<b>0.0831</b>	<b>0.8408</b>	<b>0.0000</b>	<b>4,915.0104</b>	<b>4,915.0104</b>	<b>1.5896</b>		<b>4,954.7508</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.2 No. 1 Forebay Sediment - 2021**

**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	0.0334	1.3453	0.2748	3.3500e-003	0.0563	4.2300e-003	0.0605	0.0158	4.0500e-003	0.0199		366.5178	366.5178	0.0379		367.4641
Vendor	0.0169	0.5788	0.1483	1.5400e-003	0.0333	1.6100e-003	0.0349	9.9000e-003	1.5400e-003	0.0114		165.3514	165.3514	0.0127		165.6679
Worker	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.1153</b>	<b>1.9610</b>	<b>0.9017</b>	<b>6.3200e-003</b>	<b>0.2087</b>	<b>6.9000e-003</b>	<b>0.2156</b>	<b>0.0579</b>	<b>6.5700e-003</b>	<b>0.0645</b>		<b>674.7855</b>	<b>674.7855</b>	<b>0.0541</b>		<b>676.1384</b>

**3.3 No. 1 Forebay Sediment - haul trip - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.3 No. 1 Forebay Sediment - haul trip - 2021**

**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	0.0957	3.2036	0.8331	0.0111	0.2774	0.0151	0.2925	0.0759	0.0144	0.0904		1,221.6023	1,221.6023	0.1067		1,224.2691
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	0.0212	5.4500e-003	0.0769	5.0000e-005	2.0000e-004	1.3000e-004	3.3000e-004	8.0000e-005	1.2000e-004	2.0000e-004		4.3970	4.3970	4.1000e-004		4.4074
<b>Total</b>	<b>0.1169</b>	<b>3.2090</b>	<b>0.9100</b>	<b>0.0112</b>	<b>0.2776</b>	<b>0.0152</b>	<b>0.2928</b>	<b>0.0760</b>	<b>0.0146</b>	<b>0.0906</b>		<b>1,225.9993</b>	<b>1,225.9993</b>	<b>0.1071</b>		<b>1,228.6765</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>



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**3.3 No. 1 Forebay Sediment - haul trip - 2021**

**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	0.0957	3.2036	0.8331	0.0111	0.2248	0.0151	0.2398	0.0630	0.0144	0.0774		1,221.6023	1,221.6023	0.1067		1,224.2691
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	0.0212	5.4500e-003	0.0769	5.0000e-005	2.0000e-004	1.3000e-004	3.3000e-004	8.0000e-005	1.2000e-004	2.0000e-004		4.3970	4.3970	4.1000e-004		4.4074
<b>Total</b>	<b>0.1169</b>	<b>3.2090</b>	<b>0.9100</b>	<b>0.0112</b>	<b>0.2250</b>	<b>0.0152</b>	<b>0.2402</b>	<b>0.0631</b>	<b>0.0146</b>	<b>0.0776</b>		<b>1,225.9993</b>	<b>1,225.9993</b>	<b>0.1071</b>		<b>1,228.6765</b>

**3.4 No. 2 Fish Ladder - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.4 No. 2 Fish Ladder - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.4 No. 2 Fish Ladder - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.5 No. 2 Fish Ladder - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6036	5.2139	6.4537	0.0104		0.2721	0.2721		0.2548	0.2548		949.4336	949.4336	0.2758		956.3285
<b>Total</b>	<b>0.6036</b>	<b>5.2139</b>	<b>6.4537</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.2721</b>	<b>0.2721</b>	<b>0.0000</b>	<b>0.2548</b>	<b>0.2548</b>		<b>949.4336</b>	<b>949.4336</b>	<b>0.2758</b>		<b>956.3285</b>

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**3.5 No. 2 Fish Ladder - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1015	0.4399	6.2601	0.0104		0.0135	0.0135		0.0135	0.0135	0.0000	949.4336	949.4336	0.2758		956.3285
<b>Total</b>	<b>0.1015</b>	<b>0.4399</b>	<b>6.2601</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.0135</b>	<b>0.0135</b>	<b>0.0000</b>	<b>0.0135</b>	<b>0.0135</b>	<b>0.0000</b>	<b>949.4336</b>	<b>949.4336</b>	<b>0.2758</b>		<b>956.3285</b>

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**3.5 No. 2 Fish Ladder - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.6 No. 3 Rock Weir - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.6 No. 3 Rock Weir - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.6 No. 3 Rock Weir - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.7 No. 3 Rock Weir - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2292	2.1534	3.2718	5.1700e-003		0.1044	0.1044		0.0961	0.0961		500.1920	500.1920	0.1618		504.2363
<b>Total</b>	<b>0.2292</b>	<b>2.1534</b>	<b>3.2718</b>	<b>5.1700e-003</b>	<b>0.0000</b>	<b>0.1044</b>	<b>0.1044</b>	<b>0.0000</b>	<b>0.0961</b>	<b>0.0961</b>		<b>500.1920</b>	<b>500.1920</b>	<b>0.1618</b>		<b>504.2363</b>

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**3.7 No. 3 Rock Weir - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0635	0.2753	3.9180	5.1700e-003		8.4700e-003	8.4700e-003		8.4700e-003	8.4700e-003	0.0000	500.1920	500.1920	0.1618		504.2363
<b>Total</b>	<b>0.0635</b>	<b>0.2753</b>	<b>3.9180</b>	<b>5.1700e-003</b>	<b>0.0000</b>	<b>8.4700e-003</b>	<b>8.4700e-003</b>	<b>0.0000</b>	<b>8.4700e-003</b>	<b>8.4700e-003</b>	<b>0.0000</b>	<b>500.1920</b>	<b>500.1920</b>	<b>0.1618</b>		<b>504.2363</b>



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**3.7 No. 3 Rock Weir - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.8 No. 4 Entrance Pool - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.8 No. 4 Entrance Pool - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.8 No. 4 Entrance Pool - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.9 No. 4 Entrance Pool - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.8815	18.3881	10.9139	0.0269		0.8300	0.8300		0.7636	0.7636		2,606.0672	2,606.0672	0.8429		2,627.1385
<b>Total</b>	<b>1.8815</b>	<b>18.3881</b>	<b>10.9139</b>	<b>0.0269</b>	<b>6.0221</b>	<b>0.8300</b>	<b>6.8520</b>	<b>3.3102</b>	<b>0.7636</b>	<b>4.0738</b>		<b>2,606.0672</b>	<b>2,606.0672</b>	<b>0.8429</b>		<b>2,627.1385</b>

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**3.9 No. 4 Entrance Pool - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	0.3297	1.4289	13.6789	0.0269		0.0440	0.0440		0.0440	0.0440	0.0000	2,606.0672	2,606.0672	0.8429		2,627.1385
<b>Total</b>	<b>0.3297</b>	<b>1.4289</b>	<b>13.6789</b>	<b>0.0269</b>	<b>2.7099</b>	<b>0.0440</b>	<b>2.7539</b>	<b>1.4896</b>	<b>0.0440</b>	<b>1.5336</b>	<b>0.0000</b>	<b>2,606.0672</b>	<b>2,606.0672</b>	<b>0.8429</b>		<b>2,627.1385</b>

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**3.9 No. 4 Entrance Pool - heavy equipment - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.10 No. 5 Concrete Structures - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.8802	16.2583	14.5295	0.0389		0.6825	0.6825		0.6432	0.6432		3,730.7899	3,730.7899	1.0280		3,756.4900
<b>Total</b>	<b>1.8802</b>	<b>16.2583</b>	<b>14.5295</b>	<b>0.0389</b>	<b>0.0000</b>	<b>0.6825</b>	<b>0.6825</b>	<b>0.0000</b>	<b>0.6432</b>	<b>0.6432</b>		<b>3,730.7899</b>	<b>3,730.7899</b>	<b>1.0280</b>		<b>3,756.4900</b>

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**3.10 No. 5 Concrete Structures - 2021**

**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	5.6200e-003	0.1929	0.0494	5.1000e-004	0.0135	5.4000e-004	0.0141	3.8900e-003	5.1000e-004	4.4000e-003		55.1171	55.1171	4.2200e-003		55.2226
Worker	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0706</b>	<b>0.2299</b>	<b>0.5281</b>	<b>1.9400e-003</b>	<b>0.1657</b>	<b>1.6000e-003</b>	<b>0.1673</b>	<b>0.0443</b>	<b>1.4900e-003</b>	<b>0.0457</b>		<b>198.0334</b>	<b>198.0334</b>	<b>7.8300e-003</b>		<b>198.2291</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4526	1.9614	19.8290	0.0389		0.0604	0.0604		0.0604	0.0604	0.0000	3,730.7899	3,730.7899	1.0280		3,756.4900
<b>Total</b>	<b>0.4526</b>	<b>1.9614</b>	<b>19.8290</b>	<b>0.0389</b>	<b>0.0000</b>	<b>0.0604</b>	<b>0.0604</b>	<b>0.0000</b>	<b>0.0604</b>	<b>0.0604</b>	<b>0.0000</b>	<b>3,730.7899</b>	<b>3,730.7899</b>	<b>1.0280</b>		<b>3,756.4900</b>

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**3.10 No. 5 Concrete Structures - 2021**

**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	5.6200e-003	0.1929	0.0494	5.1000e-004	0.0111	5.4000e-004	0.0116	3.3000e-003	5.1000e-004	3.8100e-003		55.1171	55.1171	4.2200e-003		55.2226
Worker	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0706</b>	<b>0.2299</b>	<b>0.5281</b>	<b>1.9400e-003</b>	<b>0.1302</b>	<b>1.6000e-003</b>	<b>0.1318</b>	<b>0.0355</b>	<b>1.4900e-003</b>	<b>0.0370</b>		<b>198.0334</b>	<b>198.0334</b>	<b>7.8300e-003</b>		<b>198.2291</b>

**3.11 No. 6 Routine - Timber - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3252	12.4632	12.9971	0.0271		0.5717	0.5717		0.5267	0.5267		2,615.1929	2,615.1929	0.8382		2,636.1487
<b>Total</b>	<b>1.3252</b>	<b>12.4632</b>	<b>12.9971</b>	<b>0.0271</b>	<b>0.0000</b>	<b>0.5717</b>	<b>0.5717</b>	<b>0.0000</b>	<b>0.5267</b>	<b>0.5267</b>		<b>2,615.1929</b>	<b>2,615.1929</b>	<b>0.8382</b>		<b>2,636.1487</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.11 No. 6 Routine - Timber - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3521	2.4672	16.0989	0.0271		0.0436	0.0436		0.0436	0.0436	0.0000	2,615.1929	2,615.1929	0.8382		2,636.1487
<b>Total</b>	<b>0.3521</b>	<b>2.4672</b>	<b>16.0989</b>	<b>0.0271</b>	<b>0.0000</b>	<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>2,615.1929</b>	<b>2,615.1929</b>	<b>0.8382</b>		<b>2,636.1487</b>



Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.11 No. 6 Routine - Timber - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.12 No. 6 Routine - Debris Fence - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1873	1.8958	2.2602	3.1100e-003		0.1118	0.1118		0.1028	0.1028		300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.1873</b>	<b>1.8958</b>	<b>2.2602</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>0.1118</b>	<b>0.1118</b>	<b>0.0000</b>	<b>0.1028</b>	<b>0.1028</b>		<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.12 No. 6 Routine - Debris Fence - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0380	0.1646	2.3421	3.1100e-003		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003	0.0000	300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.0380</b>	<b>0.1646</b>	<b>2.3421</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>5.0600e-003</b>	<b>5.0600e-003</b>	<b>0.0000</b>	<b>5.0600e-003</b>	<b>5.0600e-003</b>	<b>0.0000</b>	<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.12 No. 6 Routine - Debris Fence - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.13 No. 6 Routine - Radial Gates - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0375	0.6006	1.0941	1.6800e-003		0.0115	0.0115		0.0105	0.0105		162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0375</b>	<b>0.6006</b>	<b>1.0941</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>0.0105</b>	<b>0.0105</b>		<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.13 No. 6 Routine - Radial Gates - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0413	0.9438	1.2745	1.6800e-003		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0413</b>	<b>0.9438</b>	<b>1.2745</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>2.7600e-003</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>2.7600e-003</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.13 No. 6 Routine - Radial Gates - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.14 No. 6 Routine - Instrumentation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.14 No. 6 Routine - Instrumentation - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.14 No. 6 Routine - Instrumentation - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**3.15 No. 6 Routine - Roads - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.0464	10.9713	4.0378	8.5300e-003		0.5325	0.5325		0.4899	0.4899		827.3522	827.3522	0.2676		834.0418
<b>Total</b>	<b>1.0464</b>	<b>10.9713</b>	<b>4.0378</b>	<b>8.5300e-003</b>	<b>6.0221</b>	<b>0.5325</b>	<b>6.5545</b>	<b>3.3102</b>	<b>0.4899</b>	<b>3.8001</b>		<b>827.3522</b>	<b>827.3522</b>	<b>0.2676</b>		<b>834.0418</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.15 No. 6 Routine - Roads - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	0.1046	0.4531	3.8336	8.5300e-003		0.0139	0.0139		0.0139	0.0139	0.0000	827.3522	827.3522	0.2676		834.0418
<b>Total</b>	<b>0.1046</b>	<b>0.4531</b>	<b>3.8336</b>	<b>8.5300e-003</b>	<b>2.7099</b>	<b>0.0139</b>	<b>2.7239</b>	<b>1.4896</b>	<b>0.0139</b>	<b>1.5035</b>	<b>0.0000</b>	<b>827.3522</b>	<b>827.3522</b>	<b>0.2676</b>		<b>834.0418</b>



Casitas R&M Program - Mitigated - Ventura County APCD Air District, Summer

**3.15 No. 6 Routine - Roads - 2021**

**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	0.0650	0.0370	0.4786	1.4300e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		142.9163	142.9163	3.6100e-003		143.0065
<b>Total</b>	<b>0.0650</b>	<b>0.0370</b>	<b>0.4786</b>	<b>1.4300e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>142.9163</b>	<b>142.9163</b>	<b>3.6100e-003</b>		<b>143.0065</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Casitas R&M Program - Mitigated - Ventura County APCD Air District, 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490

5.0 Energy Detail

Historical Energy Use: N

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**5.1 Mitigation Measures Energy**

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

**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	

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**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Unmitigated	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

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**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	0.3319					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3300e-003</b>

**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	0.3319					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3300e-003</b>

**7.0 Water Detail**

## Casitas R&amp;M Program - Mitigated - Ventura County APCD Air District, Summer

**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**

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**

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**Casitas R&M Program - Mitigated**  
**Ventura County APCD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	40.00	Acre	40.00	1,742,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	8			<b>Operational Year</b>	2022
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

Project Characteristics - 2022 operational year

Land Use - Total size of facility

Construction Phase - Duration lengths per PD

Off-road Equipment - Equipment list from PD. HP changed from defaults using spec sheets. Off-site haul trips modeled in vehicle trips.

Off-road Equipment - No equipment

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Two 10-HP pumps to remove water from the fish ladder (per data request). Assume excavator used 6 days.

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Excavator to relocate large woody material

Off-road Equipment - Phase for construction vehicles

Off-road Equipment - Per equipment list in PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD

Off-road Equipment - Equipment list per PD. Conservatively assumed one dozer.

Off-road Equipment - Equipment list per PD

Trips and VMT - 10 construction workers driving individually, length of 10 miles (distance to edge of Ojai Valley Area). MITIGATED 21 cy dump trucks for 5,000 cy of soil (478 one-way trips). 1 water truck + 2 on-road trucks in vendor trips for Activity 1

Grading -

Construction Off-road Equipment Mitigation - VCAPCD Rule 55. Tier 4 Final Mitigation.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	25
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00



Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
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
tblConstructionPhase	NumDays	75.00	60.00
tblConstructionPhase	NumDays	75.00	30.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	15.00
tblConstructionPhase	NumDays	75.00	60.00
tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	6.00

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tblConstructionPhase	NumDays	75.00	10.00
tblConstructionPhase	NumDays	75.00	4.00
tblConstructionPhase	NumDays	75.00	20.00
tblConstructionPhase	NumDays	75.00	5.00
tblConstructionPhase	NumDays	75.00	10.00
tblOffRoadEquipment	HorsePower	158.00	162.00
tblOffRoadEquipment	HorsePower	158.00	286.00
tblOffRoadEquipment	HorsePower	187.00	165.00
tblOffRoadEquipment	HorsePower	247.00	215.00
tblOffRoadEquipment	HorsePower	247.00	354.00
tblOffRoadEquipment	HorsePower	97.00	202.00
tblOffRoadEquipment	HorsePower	402.00	320.00
tblOffRoadEquipment	HorsePower	84.00	10.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblTripsAndVMT	HaulingTripNumber	0.00	478.00
tblTripsAndVMT	HaulingTripNumber	0.00	478.00
tblTripsAndVMT	VendorTripLength	7.30	0.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	0.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripLength	10.80	10.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	3.00	20.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00

**2.0 Emissions Summary**

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Casitas R&M Program - Mitigated - Ventura County APCD Air District, 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	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-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
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.3300e-003</b>

**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	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-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
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.3300e-003</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, 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	No. 1 Forebay Sediment	Grading	1/4/2021	3/26/2021	5	60	
2	No. 1 Forebay Sediment - haul trip	Grading	1/4/2021	3/26/2021	5	60	
3	No. 2 Fish Ladder	Grading	3/29/2021	4/9/2021	5	10	
4	No. 2 Fish Ladder - heavy equipment	Grading	3/29/2021	4/5/2021	5	6	
5	No. 3 Rock Weir	Grading	4/12/2021	4/23/2021	5	10	
6	No. 3 Rock Weir - heavy equipment	Grading	4/12/2021	4/15/2021	5	4	
7	No. 4 Entrance Pool	Grading	4/26/2021	5/21/2021	5	20	
8	No. 4 Entrance Pool - heavy equipment	Grading	4/26/2021	4/30/2021	5	5	
9	No. 5 Concrete Structures	Grading	5/24/2021	6/4/2021	5	10	
10	No. 6 Routine - Timber	Grading	6/7/2021	7/16/2021	5	30	
11	No. 6 Routine - Debris Fence	Grading	7/19/2021	7/30/2021	5	10	
12	No. 6 Routine - Radial Gates	Grading	8/2/2021	8/13/2021	5	10	
13	No. 6 Routine - Instrumentation	Grading	8/16/2021	8/27/2021	5	10	
14	No. 6 Routine - Roads	Grading	8/30/2021	9/17/2021	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 40

## Casitas R&amp;M Program - Mitigated - Ventura County APCD Air District, Winter

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
No. 1 Forebay Sediment	Excavators	1	8.00	162	0.38
No. 1 Forebay Sediment	Excavators	1	8.00	286	0.38
No. 1 Forebay Sediment	Graders	1	4.00	165	0.41
No. 1 Forebay Sediment	Off-Highway Trucks	1	8.00	320	0.38
No. 1 Forebay Sediment	Rubber Tired Dozers	1	4.00	215	0.40
No. 1 Forebay Sediment	Rubber Tired Dozers	1	4.00	354	0.40
No. 1 Forebay Sediment	Tractors/Loaders/Backhoes	2	8.00	202	0.37
No. 1 Forebay Sediment - haul trip	Graders	1	0.00	187	0.41
No. 2 Fish Ladder	Excavators	1	0.00	158	0.38
No. 2 Fish Ladder - heavy equipment	Excavators	1	8.00	158	0.38
No. 2 Fish Ladder - heavy equipment	Pumps	2	8.00	10	0.74
No. 2 Fish Ladder - heavy equipment	Tractors/Loaders/Backhoes	1	8.00	97	0.37
No. 3 Rock Weir	Excavators	1	0.00	158	0.38
No. 3 Rock Weir - heavy equipment	Excavators	1	8.00	158	0.38
No. 4 Entrance Pool	Excavators	1	0.00	158	0.38
No. 4 Entrance Pool - heavy equipment	Excavators	1	8.00	158	0.38
No. 4 Entrance Pool - heavy equipment	Off-Highway Trucks	1	8.00	402	0.38
No. 4 Entrance Pool - heavy equipment	Rubber Tired Dozers	1	8.00	247	0.40
No. 5 Concrete Structures	Cement and Mortar Mixers	1	8.00	9	0.56
No. 5 Concrete Structures	Excavators	1	8.00	158	0.38
No. 5 Concrete Structures	Off-Highway Trucks	2	8.00	402	0.38
No. 5 Concrete Structures	Pumps	1	8.00	84	0.74
No. 6 Routine - Timber	Excavators	1	8.00	158	0.38



Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

No. 6 Routine - Timber	Off-Highway Trucks	1	8.00	402	0.38
No. 6 Routine - Timber	Plate Compactors	1	8.00	8	0.43
No. 6 Routine - Timber	Skid Steer Loaders	1	8.00	65	0.37
No. 6 Routine - Timber	Tractors/Loaders/Backhoes	2	8.00	97	0.37
No. 6 Routine - Debris Fence	Tractors/Loaders/Backhoes	1	8.00	97	0.37
No. 6 Routine - Radial Gates	Aerial Lifts	1	8.00	63	0.31
No. 6 Routine - Instrumentation	Aerial Lifts	1	0.00	63	0.31
No. 6 Routine - Roads	Rubber Tired Dozers	1	8.00	247	0.40

**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
No. 1 Forebay Sediment	8	20.00	6.00	478.00	10.00	7.30	10.00	LD_Mix	HDT_Mix	HHDT
No. 1 Forebay Sediment - haul trip	1	20.00	0.00	478.00	0.00	0.00	40.00	LD_Mix	HDT_Mix	HHDT
No. 2 Fish Ladder	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 2 Fish Ladder - heavy equipment	4	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 3 Rock Weir	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 3 Rock Weir - heavy equipment	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 4 Entrance Pool	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 4 Entrance Pool - heavy equipment	3	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 5 Concrete Structures	5	20.00	2.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Timber	6	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Debris Fence	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Radial Gates	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Instrumentation	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT
No. 6 Routine - Roads	1	20.00	0.00	0.00	10.00	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 No. 1 Forebay Sediment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2762	0.0000	3.2762	1.6837	0.0000	1.6837			0.0000			0.0000
Off-Road	2.9150	29.2032	20.3623	0.0508		1.2397	1.2397		1.1405	1.1405		4,915.010 4	4,915.010 4	1.5896		4,954.750 8
<b>Total</b>	<b>2.9150</b>	<b>29.2032</b>	<b>20.3623</b>	<b>0.0508</b>	<b>3.2762</b>	<b>1.2397</b>	<b>4.5158</b>	<b>1.6837</b>	<b>1.1405</b>	<b>2.8242</b>		<b>4,915.010 4</b>	<b>4,915.010 4</b>	<b>1.5896</b>		<b>4,954.750 8</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.2 No. 1 Forebay Sediment - 2021**

**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	0.0351	1.3422	0.3086	3.2500e-003	0.0695	4.4600e-003	0.0739	0.0190	4.2700e-003	0.0233		356.1141	356.1141	0.0399		357.1110
Vendor	0.0179	0.5779	0.1678	1.5000e-003	0.0406	1.7000e-003	0.0423	0.0117	1.6300e-003	0.0133		161.2941	161.2941	0.0135		161.6307
Worker	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.1263</b>	<b>1.9634</b>	<b>0.9446</b>	<b>6.1200e-003</b>	<b>0.2622</b>	<b>7.2200e-003</b>	<b>0.2694</b>	<b>0.0711</b>	<b>6.8800e-003</b>	<b>0.0779</b>		<b>653.4105</b>	<b>653.4105</b>	<b>0.0568</b>		<b>654.8313</b>

**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					1.4743	0.0000	1.4743	0.7577	0.0000	0.7577			0.0000			0.0000
Off-Road	0.6232	2.7007	25.3753	0.0508		0.0831	0.0831		0.0831	0.0831	0.0000	4,915.0104	4,915.0104	1.5896		4,954.7508
<b>Total</b>	<b>0.6232</b>	<b>2.7007</b>	<b>25.3753</b>	<b>0.0508</b>	<b>1.4743</b>	<b>0.0831</b>	<b>1.5574</b>	<b>0.7577</b>	<b>0.0831</b>	<b>0.8408</b>	<b>0.0000</b>	<b>4,915.0104</b>	<b>4,915.0104</b>	<b>1.5896</b>		<b>4,954.7508</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.2 No. 1 Forebay Sediment - 2021**

**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	0.0351	1.3422	0.3086	3.2500e-003	0.0563	4.4600e-003	0.0608	0.0158	4.2700e-003	0.0201		356.1141	356.1141	0.0399		357.1110
Vendor	0.0179	0.5779	0.1678	1.5000e-003	0.0333	1.7000e-003	0.0350	9.9000e-003	1.6300e-003	0.0115		161.2941	161.2941	0.0135		161.6307
Worker	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.1263</b>	<b>1.9634</b>	<b>0.9446</b>	<b>6.1200e-003</b>	<b>0.2087</b>	<b>7.2200e-003</b>	<b>0.2159</b>	<b>0.0579</b>	<b>6.8800e-003</b>	<b>0.0648</b>		<b>653.4105</b>	<b>653.4105</b>	<b>0.0568</b>		<b>654.8313</b>

**3.3 No. 1 Forebay Sediment - haul trip - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.3 No. 1 Forebay Sediment - haul trip - 2021**

**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	0.0973	3.2721	0.8600	0.0110	0.2774	0.0153	0.2927	0.0759	0.0147	0.0906		1,211.1985	1,211.1985	0.1087		1,213.9150
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	0.0182	6.3700e-003	0.1027	5.0000e-005	2.0000e-004	1.3000e-004	3.3000e-004	8.0000e-005	1.2000e-004	2.0000e-004		4.3286	4.3286	5.1000e-004		4.3413
<b>Total</b>	<b>0.1155</b>	<b>3.2785</b>	<b>0.9627</b>	<b>0.0111</b>	<b>0.2776</b>	<b>0.0154</b>	<b>0.2931</b>	<b>0.0760</b>	<b>0.0148</b>	<b>0.0908</b>		<b>1,215.5271</b>	<b>1,215.5271</b>	<b>0.1092</b>		<b>1,218.2563</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.3 No. 1 Forebay Sediment - haul trip - 2021**

**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	0.0973	3.2721	0.8600	0.0110	0.2248	0.0153	0.2401	0.0630	0.0147	0.0777		1,211.1985	1,211.1985	0.1087		1,213.9150
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	0.0182	6.3700e-003	0.1027	5.0000e-005	2.0000e-004	1.3000e-004	3.3000e-004	8.0000e-005	1.2000e-004	2.0000e-004		4.3286	4.3286	5.1000e-004		4.3413
<b>Total</b>	<b>0.1155</b>	<b>3.2785</b>	<b>0.9627</b>	<b>0.0111</b>	<b>0.2250</b>	<b>0.0154</b>	<b>0.2404</b>	<b>0.0631</b>	<b>0.0148</b>	<b>0.0779</b>		<b>1,215.5271</b>	<b>1,215.5271</b>	<b>0.1092</b>		<b>1,218.2563</b>

**3.4 No. 2 Fish Ladder - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.4 No. 2 Fish Ladder - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.4 No. 2 Fish Ladder - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.5 No. 2 Fish Ladder - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6036	5.2139	6.4537	0.0104		0.2721	0.2721		0.2548	0.2548		949.4336	949.4336	0.2758		956.3285
<b>Total</b>	<b>0.6036</b>	<b>5.2139</b>	<b>6.4537</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.2721</b>	<b>0.2721</b>	<b>0.0000</b>	<b>0.2548</b>	<b>0.2548</b>		<b>949.4336</b>	<b>949.4336</b>	<b>0.2758</b>		<b>956.3285</b>



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**3.5 No. 2 Fish Ladder - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1015	0.4399	6.2601	0.0104		0.0135	0.0135		0.0135	0.0135	0.0000	949.4336	949.4336	0.2758		956.3285
<b>Total</b>	<b>0.1015</b>	<b>0.4399</b>	<b>6.2601</b>	<b>0.0104</b>	<b>0.0000</b>	<b>0.0135</b>	<b>0.0135</b>	<b>0.0000</b>	<b>0.0135</b>	<b>0.0135</b>	<b>0.0000</b>	<b>949.4336</b>	<b>949.4336</b>	<b>0.2758</b>		<b>956.3285</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.5 No. 2 Fish Ladder - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.6 No. 3 Rock Weir - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.6 No. 3 Rock Weir - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

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**3.6 No. 3 Rock Weir - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.7 No. 3 Rock Weir - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2292	2.1534	3.2718	5.1700e-003		0.1044	0.1044		0.0961	0.0961		500.1920	500.1920	0.1618		504.2363
<b>Total</b>	<b>0.2292</b>	<b>2.1534</b>	<b>3.2718</b>	<b>5.1700e-003</b>	<b>0.0000</b>	<b>0.1044</b>	<b>0.1044</b>	<b>0.0000</b>	<b>0.0961</b>	<b>0.0961</b>		<b>500.1920</b>	<b>500.1920</b>	<b>0.1618</b>		<b>504.2363</b>

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**3.7 No. 3 Rock Weir - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0635	0.2753	3.9180	5.1700e-003		8.4700e-003	8.4700e-003		8.4700e-003	8.4700e-003	0.0000	500.1920	500.1920	0.1618		504.2363
<b>Total</b>	<b>0.0635</b>	<b>0.2753</b>	<b>3.9180</b>	<b>5.1700e-003</b>	<b>0.0000</b>	<b>8.4700e-003</b>	<b>8.4700e-003</b>	<b>0.0000</b>	<b>8.4700e-003</b>	<b>8.4700e-003</b>	<b>0.0000</b>	<b>500.1920</b>	<b>500.1920</b>	<b>0.1618</b>		<b>504.2363</b>

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**3.7 No. 3 Rock Weir - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.8 No. 4 Entrance Pool - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.8 No. 4 Entrance Pool - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.8 No. 4 Entrance Pool - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.9 No. 4 Entrance Pool - heavy equipment - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.8815	18.3881	10.9139	0.0269		0.8300	0.8300		0.7636	0.7636		2,606.0672	2,606.0672	0.8429		2,627.1385
<b>Total</b>	<b>1.8815</b>	<b>18.3881</b>	<b>10.9139</b>	<b>0.0269</b>	<b>6.0221</b>	<b>0.8300</b>	<b>6.8520</b>	<b>3.3102</b>	<b>0.7636</b>	<b>4.0738</b>		<b>2,606.0672</b>	<b>2,606.0672</b>	<b>0.8429</b>		<b>2,627.1385</b>



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**3.9 No. 4 Entrance Pool - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	0.3297	1.4289	13.6789	0.0269		0.0440	0.0440		0.0440	0.0440	0.0000	2,606.0672	2,606.0672	0.8429		2,627.1385
<b>Total</b>	<b>0.3297</b>	<b>1.4289</b>	<b>13.6789</b>	<b>0.0269</b>	<b>2.7099</b>	<b>0.0440</b>	<b>2.7539</b>	<b>1.4896</b>	<b>0.0440</b>	<b>1.5336</b>	<b>0.0000</b>	<b>2,606.0672</b>	<b>2,606.0672</b>	<b>0.8429</b>		<b>2,627.1385</b>

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**3.9 No. 4 Entrance Pool - heavy equipment - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.10 No. 5 Concrete Structures - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.8802	16.2583	14.5295	0.0389		0.6825	0.6825		0.6432	0.6432		3,730.7899	3,730.7899	1.0280		3,756.4900
<b>Total</b>	<b>1.8802</b>	<b>16.2583</b>	<b>14.5295</b>	<b>0.0389</b>	<b>0.0000</b>	<b>0.6825</b>	<b>0.6825</b>	<b>0.0000</b>	<b>0.6432</b>	<b>0.6432</b>		<b>3,730.7899</b>	<b>3,730.7899</b>	<b>1.0280</b>		<b>3,756.4900</b>

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**3.10 No. 5 Concrete Structures - 2021**

**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	5.9700e-003	0.1926	0.0559	5.0000e-004	0.0135	5.7000e-004	0.0141	3.8900e-003	5.4000e-004	4.4300e-003		53.7647	53.7647	4.4900e-003		53.8769
Worker	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0793</b>	<b>0.2360</b>	<b>0.5242</b>	<b>1.8700e-003</b>	<b>0.1657</b>	<b>1.6300e-003</b>	<b>0.1673</b>	<b>0.0443</b>	<b>1.5200e-003</b>	<b>0.0458</b>		<b>189.7671</b>	<b>189.7671</b>	<b>7.9800e-003</b>		<b>189.9665</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4526	1.9614	19.8290	0.0389		0.0604	0.0604		0.0604	0.0604	0.0000	3,730.7899	3,730.7899	1.0280		3,756.4900
<b>Total</b>	<b>0.4526</b>	<b>1.9614</b>	<b>19.8290</b>	<b>0.0389</b>	<b>0.0000</b>	<b>0.0604</b>	<b>0.0604</b>	<b>0.0000</b>	<b>0.0604</b>	<b>0.0604</b>	<b>0.0000</b>	<b>3,730.7899</b>	<b>3,730.7899</b>	<b>1.0280</b>		<b>3,756.4900</b>

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**3.10 No. 5 Concrete Structures - 2021**

**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	5.9700e-003	0.1926	0.0559	5.0000e-004	0.0111	5.7000e-004	0.0117	3.3000e-003	5.4000e-004	3.8400e-003		53.7647	53.7647	4.4900e-003		53.8769
Worker	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0793</b>	<b>0.2360</b>	<b>0.5242</b>	<b>1.8700e-003</b>	<b>0.1302</b>	<b>1.6300e-003</b>	<b>0.1318</b>	<b>0.0355</b>	<b>1.5200e-003</b>	<b>0.0371</b>		<b>189.7671</b>	<b>189.7671</b>	<b>7.9800e-003</b>		<b>189.9665</b>

**3.11 No. 6 Routine - Timber - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.3252	12.4632	12.9971	0.0271		0.5717	0.5717		0.5267	0.5267		2,615.1929	2,615.1929	0.8382		2,636.1487
<b>Total</b>	<b>1.3252</b>	<b>12.4632</b>	<b>12.9971</b>	<b>0.0271</b>	<b>0.0000</b>	<b>0.5717</b>	<b>0.5717</b>	<b>0.0000</b>	<b>0.5267</b>	<b>0.5267</b>		<b>2,615.1929</b>	<b>2,615.1929</b>	<b>0.8382</b>		<b>2,636.1487</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.11 No. 6 Routine - Timber - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3521	2.4672	16.0989	0.0271		0.0436	0.0436		0.0436	0.0436	0.0000	2,615.1929	2,615.1929	0.8382		2,636.1487
<b>Total</b>	<b>0.3521</b>	<b>2.4672</b>	<b>16.0989</b>	<b>0.0271</b>	<b>0.0000</b>	<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>0.0436</b>	<b>0.0436</b>	<b>0.0000</b>	<b>2,615.1929</b>	<b>2,615.1929</b>	<b>0.8382</b>		<b>2,636.1487</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.11 No. 6 Routine - Timber - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.12 No. 6 Routine - Debris Fence - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1873	1.8958	2.2602	3.1100e-003		0.1118	0.1118		0.1028	0.1028		300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.1873</b>	<b>1.8958</b>	<b>2.2602</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>0.1118</b>	<b>0.1118</b>	<b>0.0000</b>	<b>0.1028</b>	<b>0.1028</b>		<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.12 No. 6 Routine - Debris Fence - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0380	0.1646	2.3421	3.1100e-003		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003	0.0000	300.9001	300.9001	0.0973		303.3330
<b>Total</b>	<b>0.0380</b>	<b>0.1646</b>	<b>2.3421</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>5.0600e-003</b>	<b>5.0600e-003</b>	<b>0.0000</b>	<b>5.0600e-003</b>	<b>5.0600e-003</b>	<b>0.0000</b>	<b>300.9001</b>	<b>300.9001</b>	<b>0.0973</b>		<b>303.3330</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.12 No. 6 Routine - Debris Fence - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.13 No. 6 Routine - Radial Gates - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0375	0.6006	1.0941	1.6800e-003		0.0115	0.0115		0.0105	0.0105		162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0375</b>	<b>0.6006</b>	<b>1.0941</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>0.0115</b>	<b>0.0115</b>	<b>0.0000</b>	<b>0.0105</b>	<b>0.0105</b>		<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>



Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.13 No. 6 Routine - Radial Gates - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0413	0.9438	1.2745	1.6800e-003		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	162.6199	162.6199	0.0526		163.9347
<b>Total</b>	<b>0.0413</b>	<b>0.9438</b>	<b>1.2745</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>2.7600e-003</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>2.7600e-003</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>162.6199</b>	<b>162.6199</b>	<b>0.0526</b>		<b>163.9347</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.13 No. 6 Routine - Radial Gates - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.14 No. 6 Routine - Instrumentation - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.14 No. 6 Routine - Instrumentation - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.14 No. 6 Routine - Instrumentation - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**3.15 No. 6 Routine - Roads - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.0464	10.9713	4.0378	8.5300e-003		0.5325	0.5325		0.4899	0.4899		827.3522	827.3522	0.2676		834.0418
<b>Total</b>	<b>1.0464</b>	<b>10.9713</b>	<b>4.0378</b>	<b>8.5300e-003</b>	<b>6.0221</b>	<b>0.5325</b>	<b>6.5545</b>	<b>3.3102</b>	<b>0.4899</b>	<b>3.8001</b>		<b>827.3522</b>	<b>827.3522</b>	<b>0.2676</b>		<b>834.0418</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.15 No. 6 Routine - Roads - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1521	1.0600e-003	0.1532	0.0404	9.8000e-004	0.0413		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1521</b>	<b>1.0600e-003</b>	<b>0.1532</b>	<b>0.0404</b>	<b>9.8000e-004</b>	<b>0.0413</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**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					2.7099	0.0000	2.7099	1.4896	0.0000	1.4896			0.0000			0.0000
Off-Road	0.1046	0.4531	3.8336	8.5300e-003		0.0139	0.0139		0.0139	0.0139	0.0000	827.3522	827.3522	0.2676		834.0418
<b>Total</b>	<b>0.1046</b>	<b>0.4531</b>	<b>3.8336</b>	<b>8.5300e-003</b>	<b>2.7099</b>	<b>0.0139</b>	<b>2.7239</b>	<b>1.4896</b>	<b>0.0139</b>	<b>1.5035</b>	<b>0.0000</b>	<b>827.3522</b>	<b>827.3522</b>	<b>0.2676</b>		<b>834.0418</b>

Casitas R&M Program - Mitigated - Ventura County APCD Air District, Winter

**3.15 No. 6 Routine - Roads - 2021**

**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	0.0733	0.0434	0.4683	1.3700e-003	0.1191	1.0600e-003	0.1202	0.0322	9.8000e-004	0.0332		136.0024	136.0024	3.4900e-003		136.0896
<b>Total</b>	<b>0.0733</b>	<b>0.0434</b>	<b>0.4683</b>	<b>1.3700e-003</b>	<b>0.1191</b>	<b>1.0600e-003</b>	<b>0.1202</b>	<b>0.0322</b>	<b>9.8000e-004</b>	<b>0.0332</b>		<b>136.0024</b>	<b>136.0024</b>	<b>3.4900e-003</b>		<b>136.0896</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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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
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.588665	0.041515	0.188382	0.110464	0.019030	0.006351	0.019720	0.017925	0.001164	0.001012	0.003904	0.000380	0.001490

5.0 Energy Detail

Historical Energy Use: N

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**5.1 Mitigation Measures Energy**

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

**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	



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**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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Unmitigated	0.9494	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

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**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	0.3319					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3300e-003</b>

**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	0.3319					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6172					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
<b>Total</b>	<b>0.9494</b>	<b>4.0000e-005</b>	<b>4.0900e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>8.7500e-003</b>	<b>8.7500e-003</b>	<b>2.0000e-005</b>		<b>9.3300e-003</b>

**7.0 Water Detail**

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**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**

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**