

## Appendix F

### Air Quality Documentation:

Appendix F-1: Worksheets

Appendix F-2: RONA

## Appendix F-1: Worksheets

## Emission Calculation Assumptions

### Proposed Project General Assumptions

- 1) Work occurs 5 days a week, 8 hours a day (average 22 days/month).

### Offroad Equipment Emission Calculation Assumptions

- 1) Emission factors are the latest available from the OFFROAD database, where the most common equipment characteristics for each equipment type are used for 2012 for Ventura County emission factor database are used with a ratio of actual assumed equipment horsepower to derive hourly emission factors.
- 3) Equipment type, number, and usage estimates are used as estimated using equipment data and quantity estimates provided by the project design engineer. If not available, the most common equipment from the OFFROAD database are used.
- 4) The following vehicle types, which could be offroad vehicles are assumed to be onroad vehicles considering the project description, needs and location: haul trucks.

### Onroad Equipment Emission Calculations Assumptions

- 1) Emission factors are the latest available from the EMFAC2007 database, where the vehicles have been assigned three classes, passenger (i.e. employee vehicles and pickups), delivery (all nonpassenger vehicles smaller than Heavy-Heavy Duty), and heavy-heavy duty vehicles.
- 2) Emission factors are used for 2012 for Ventura County.
- 3) Trip estimates are based on import/export quantities, equipment and worker trips estimated using information provided by the project design engineer.
- 4) All onroad traffic for the project is assumed to occur within VCAPCD jurisdiction.
- 5) Dump trucks are 20 cubic yards.

### Fugitive Dust Emission Calculations Assumptions

- 1) Construction and maintenance on-site fugitive dust is calculated using CalEEMod for 2012, Ventura County.
- 2) Paved road fugitive dust is calculated using MRI factors for average conditions.

Emissions Summary

**Table 1. Peak Daily Criteria Pollutants**

	<b>CO</b> <i>(lbs/day)</i>	<b>ROG</b> <i>(lbs/day)</i>	<b>NOx</b> <i>(lbs/day)</i>	<b>SOx</b> <i>(lbs/day)</i>	<b>PM10</b> <i>(lbs/day)</i>	<b>PM2.5</b> <i>(lbs/day)</i>
Construction	13	2	10	0.01	6	2
Operations	14	3	22	0.01	9	3
<i>VCAPCD Threshold</i>	NA	25	25	NA	NA	NA
Exceed Threshold?	NA	No	No	NA	NA	NA

**Table 2. Annual Criteria Pollutants**

	<b>CO</b> <i>(tpy)</i>	<b>ROG</b> <i>(tpy)</i>	<b>NOx</b> <i>(tpy)</i>	<b>SOx</b> <i>(tpy)</i>	<b>PM10</b> <i>(tpy)</i>	<b>PM2.5</b> <i>(tpy)</i>
Construction	0.1	0.0	0.1	0.0	0.1	0.0
Operations	0.8	0.2	1.3	0.0	0.5	0.2
<i>General Conformity Threshold</i>	NA	25	25	NA	NA	NA
Exceed Threshold?	NA	No	No	NA	NA	NA

**Table 3. Annual Greenhouse Gases**

	<b>CO2</b> <i>(metric tons)</i>	<b>CH4</b> <i>(metric tons)</i>	<b>N2O</b> <i>(metric tons)</i>	<b>CO2e</b> <i>(metric tons)</i>	
Construction	1	0.00	0.00	1	
Operations	5	0.01	-	5	
<i>Total</i>	6	0.01	0.00	6	0.03%
<i>Threshold</i>	NA	NA	NA	7000	
Exceed Threshold?	NA	NA	NA	No	

Assumptions:

<b>Construction</b>	<b>Maintenance</b>
<i>Weir Excavation</i>	<i>Maintenance Dredging</i>
277	335,000 CY - Hauling
5	120 Days
55	2,792 CY/day
3	140 Round Trips/day
3	70 One-way trips/day
17 Weirs	5 Months
	5 Days/week
Truck	
20.0 CY	

## Appendix F - Air Quality Analysis

Construction Equipment Emissions							CO	VOC	NOX	SO2	
Construction Activity	Equipment	#	Hrs/day	Type	Fuel	HP	Round-trip	(lb/hp-hr) or	(lb/hp-hr)	(lb/hp-hr)	(lb/hp-hr)
							Miles	(lb/mi)	or (lb/mi)	or (lb/mi)	or (lb/mi)
<i>Aggregate Placement</i>	Front-end Loader	1	8	Tractors/Loaders/Backhoes	D	120	NA	0.000004	0.000001	0.000006	0.000000
	Hydraulic Excavator	1	8	Excavators	D	175	NA	0.000018	0.000074	0.000441	0.000000
	Transfer haul trucks	4	8	HHDT-DSL	D	NA	30	0.008157	0.001961	0.025412	-
	Pick-up Trucks	3	8	MDV-CAT	G	NA	30	0.009136	0.000962	0.001252	0.000017
	Workers	9	8	LDA-TOT	G	NA	30	0.006033	0.000733	0.000506	0.000009
<b>Subtotal--&gt;</b>											
<i>Saw-Cutting</i>	Diamond chain saws	2	8	Concrete/Industrial Saws	G4	15	NA	0.003965	0.000103	0.000074	0.000000
	Rotary wheel saws	2	8	Concrete/Industrial Saws	G4	15	NA	0.003965	0.000103	0.000074	0.000000
	Hydraulic Excavator	1	8	Excavators	D	175	NA	0.000018	0.000003	0.000025	0.000000
	Haul truck	1	8	HHDT-DSL	D	NA	30	0.008157	0.001961	0.025412	-
	Pick-up Trucks	4	8	MDV-CAT	G	NA	30	0.009136	0.000962	0.001252	0.000017
	Workers	8	8	LDA-TOT	G	NA	30	0.006033	0.000733	0.000506	0.000009
<b>Subtotal--&gt;</b>											
<i>Installing Steel Caps</i>	Crane	1	8	Cranes	D	250	NA	0.000058	0.000021	0.000200	0.000000
	Concrete pump truck	1	8	HHDT-DSL	D	NA	30	0.008157	0.001961	0.025412	-
	Concrete trucks <sup>5</sup>	3	8	HHDT-DSL	D	NA	30	0.008157	0.001961	0.025412	-
	Bushhammer	2	8	Pneumatic			NA				
	Rotohammer	2	8	Pneumatic			NA				
	Generator	2	8	Generator Sets	G4	15	NA	0.000148	0.000004	0.000002	0.000000
	Air compressor	1	8	Air Compressors	D	120	NA	0.000020	0.000005	0.000033	0.000000
	Pick-up Trucks	3	8	MDV-CAT	G	NA	30	0.009136	0.000962	0.001252	0.000017
	Workers	12	8	LDA-TOT	G	NA	30	0.006033	0.000733	0.000506	0.000009
<b>Subtotal--&gt;</b>											
<i>Excavation of Wiers and Off-site Hauling of 200 CM Soil</i>	Hydraulic Excavator	1	8	Excavators	D	175	NA	0.000018	0.000003	0.000025	0.000000
	Workers	2	8	LDA-TOT	G	NA	30	0.006033	0.000733	0.000506	0.000009
<i>Offsite Hauling of 200 CM Soil</i>	Haul Trucks	3	8	HHDT-DSL	D	NA	10	0.008157	0.001961	0.025412	-
<b>Subtotal--&gt;</b>											

- (1) All offroad equipment horsepower and fuel is assumed to be equivalent to the most common in the OFFROAD database for Ventura County.
- (2) Workers are assumed to be light-duty vehicles, and all diesel and gas light-duty vehicles in EMFAC's database for Ventura County are included.
- (3) Emission factors from the Midwest Research Institute (MRI, 2006) for paved road dust were included for PM10 and PM2.5 in the on-road emission factors.
- (4) On-site construction fugitive dust was calculated using the CalEEMod model for 2012 for Ventura County using the above equipment list.
- (5) Assumes that concrete pouring takes place over one week

**Trip Characteristics:**

Home-based work  
 Commercial-based commute  
 Landfill

**Miles (max of rural/urban)**

15  
 15  
 5 miles

*Truck trips calculated by CDM*

Appendix F - Air Quality Analysis

Equipment	PM (lb/hp-hr or (lb/mi)	PM2.5 (lb/hp-hr or (lb/mi)	CO2 (lb/hp-hr or (lb/mi)	CH4 (lb/hp-hr or (lb/mi)	N2O (lb/hp-hr or (lb/mi)	CO (lbs/day)	VOC (lbs/day)	NOX (lbs/day)	SO2 (lbs/day)	PM (lbs/day)	PM2.5 (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)
Front-end Loader	0.000001	0.000000	0.000646	0.000000	-	0.00	0.00	0.01	0.00	0.00	0.00	0.62	0.00	-
Hydraulic Excavator	0.000040	0.000037	0.037871	0.000007	-	0.02	0.10	0.62	0.00	0.06	0.05	53.02	0.01	-
Transfer haul trucks	0.002071	0.001236	0.004078	0.000078	-	0.98	0.24	3.05	-	0.25	0.15	0.49	0.01	-
Pick-up Trucks	0.000918	0.000206	0.001430	0.000094	-	0.82	0.09	0.11	0.00	0.08	0.02	0.13	0.01	-
Workers	0.000883	0.000175	0.000838	0.000055	-	1.63	0.20	0.14	0.00	0.24	0.05	0.23	0.01	-
						<b>3.46</b>	<b>0.62</b>	<b>3.92</b>	<b>0.00</b>	<b>0.63</b>	<b>0.27</b>	<b>54.48</b>	<b>0.04</b>	<b>-</b>
Diamond chain saws	0.000054	0.000050	0.006432	0.000006	0.000006	0.95	0.02	0.02	0.00	0.01	0.01	1.54	0.00	0.00
Rotary wheel saws	0.000054	0.000050	0.006432	0.000006	0.000006	0.95	0.02	0.02	0.00	0.01	0.01	1.54	0.00	0.00
Hydraulic Excavator	0.000002	0.000001	0.002970	0.000000	-	0.02	0.00	0.04	0.00	0.00	0.00	4.16	0.00	-
Haul truck	0.002071	0.001236	0.004078	0.000078	-	0.24	0.06	0.76	-	0.06	0.04	0.12	0.00	-
Pick-up Trucks	0.000918	0.000206	0.001430	0.000094	-	1.10	0.12	0.15	0.00	0.11	0.02	0.17	0.01	-
Workers	0.000883	0.000175	0.000838	0.000055	-	1.45	0.18	0.12	0.00	0.21	0.04	0.20	0.01	-
						<b>4.72</b>	<b>0.40</b>	<b>1.11</b>	<b>0.00</b>	<b>0.41</b>	<b>0.13</b>	<b>7.74</b>	<b>0.03</b>	<b>0.00</b>
Crane	0.000007	0.000007	0.020975	0.000002	-	0.12	0.04	0.40	0.00	0.01	0.01	41.95	0.00	-
Concrete pump truck	0.002071	0.001236	0.004078	0.000078	-	0.24	0.06	0.76	-	0.06	0.04	0.12	0.00	-
Concrete trucks <sup>5</sup>	0.002071	0.001236	0.004078	0.000078	-	0.73	0.18	2.29	-	0.19	0.11	0.37	0.01	-
Bushhammer														
Rotohammer														
Generator	0.000000	0.000000	0.000231	0.000000	0.000000	0.04	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
Air compressor	0.000003	0.000003	0.002846	0.000000	-	0.02	0.01	0.03	0.00	0.00	0.00	2.73	0.00	-
Pick-up Trucks	0.000918	0.000206	0.001430	0.000094	-	0.82	0.09	0.11	0.00	0.08	0.02	0.13	0.01	-
Workers	0.000883	0.000175	0.000838	0.000055	-	2.17	0.26	0.18	0.00	0.32	0.06	0.30	0.02	-
						<b>4.14</b>	<b>0.63</b>	<b>3.78</b>	<b>0.01</b>	<b>0.67</b>	<b>0.25</b>	<b>45.66</b>	<b>0.04</b>	<b>0.00</b>
Hydraulic Excavator	0.000002	0.000001	0.002970	0.000000	-	0.02	0.00	0.04	0.00	0.00	0.00	4.16	0.00	-
Workers	0.000883	0.000175	0.000838	0.000055	-	0.36	0.04	0.03	0.00	0.05	0.01	0.05	0.00	-
Haul Trucks	0.002071	0.001236	0.004078	0.000078	-	0.24	0.06	0.76	-	0.06	0.04	0.12	0.00	-
						<b>0.63</b>	<b>0.11</b>	<b>0.83</b>	<b>0.00</b>	<b>0.12</b>	<b>0.05</b>	<b>4.33</b>	<b>0.01</b>	<b>-</b>

- (1) All offroad equipment horsepower and fuel is assumed to be equivalent to the most common in the OFFROAD database for Ventura County.
- (2) Workers are assumed to be light-duty vehicles, and all diesel and gas light-duty vehicles in EMFAC's database for Venutura County are included.
- (3) Emission factors from the Midwest Research Institute (MRI, 2006) for paved road dust were included for PM10 and PM2.5 in the on-road emission factors.
- (4) On-site construction fugitive dust was calculated using the CalEEMod model for 2012 for Ventura County using the above equipment list.
- (5) Assumes that concrete pouring takes place over one week

# Appendix F - Air Quality Analysis

CalEEMod Version: CalEEMod.2011.1.1

## Santa Paula Creek Project Construction Dust Ventura County, Summer

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric
City Park	200	Acre

#### 1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	Utility Company
Climate Zone	8	2.6	
		Precipitation Freq (Days)	
		31	

#### 1.3 User Entered Comments

- Project Characteristics -
- Land Use -
- Construction Phase - 2 months of construction
- Off-road Equipment - Equipment for Fishladder
- Off-road Equipment - From Fishladder equipment
- Grading -
- Road Dust -
- Construction Off-road Equipment Mitigation -
- Trips and VMT - No more than 8 workers on site at any time (Santa Paula EA)

### 3.0 Construction Detail

#### 3.1 Mitigation Measures Construction

Water Exposed Area

#### 3.2 Site Preparation - 2012

##### Unmitigated Construction On-Site

lb/day	Fugitive PM10	Fugitive PM2.5
Category		
Off-Road		
<b>Total</b>		

##### Mitigated Construction On-Site

lb/day	Fugitive PM10	Fugitive PM2.5
Category		
Off-Road		
<b>Total</b>		

#### 3.3 Grading - 2012

##### Unmitigated Construction On-Site

lb/day	Fugitive PM10	Fugitive PM2.5
Category		
Fugitive Dust	8.68	3.31
Off-Road		
<b>Total</b>	8.68	3.31

##### Mitigated Construction On-Site

lb/day	Fugitive PM10	Fugitive PM2.5
Category		
Fugitive Dust	3.91	1.49
Off-Road		
<b>Total</b>	3.91	1.49

Appendix F - Air Quality Analysis

Maintenance Equipment Emissions								CO	ROG	NOX	SO2
Maintenance Activity	Equipment	#	Hrs/ day	Type	Fuel	HP	Round-trip Miles	(lb/hp-hr) or (lb/mi)	(lb/hp-hr) or (lb/mi)	(lb/hp-hr) or (lb/mi)	(lb/hp-hr) or (lb/mi)
Clear, Grub	Front-end Loader	1	8	Tractors/Loaders/Backhoes	D	129	NA	0.000004	0.000001	0.000006	0.000000
	Bulldozer	1	8	Rubber Tired Dozers	D	240	NA	0.000273	0.000060	0.000517	0.000000
	Grader	1	8	Graders	D	125	NA	0.000045	0.000009	0.000072	0.000000
Excavation	Hydraulic Excavator	1	8	Excavators	D	188	NA	0.000018	0.000074	0.000441	0.000000
	Front-end Loader	1	8	Tractors/Loaders/Backhoes	D	129	NA	0.000004	0.000001	0.000006	0.000000
Stage Cleanup	Bulldozer	1	8	Tampers/Rammers	G2	240	NA	0.000067	0.000012	0.000095	0.000000
All Phases	Transfer haul trucks	4	8	HHDT-DSL	D	NA	30	0.008157	0.001961	0.025412	-
	Pick-up Trucks	3	8	MDV-CAT	G	NA	30	0.009136	0.000962	0.001252	0.000017
	Workers	35	8	LDA-TOT	G	NA	30	0.006033	0.000733	0.000506	0.000009
	Max Day Fugitive Dust										
<b>Subtotal--&gt;</b>											
<i>Offsite Hauling of 335,000 CY Soil for Maintenance</i>											
	Haul Trucks	70	8	HHDT-DSL	D	NA	10	0.008157	0.001961	0.025412	-
<b>Subtotal--&gt;</b>											

- (1) All offroad equipment horsepower and fuel is assumed to be equivalent to the most common in the OFFROAD database for Ventura County.
- (2) Workers are assumed to be light-duty vehicles, and all diesel and gas light-duty vehicles in EMFAC's database for Venutura County are included.
- (3) The peak day includes excavation and stage cleanup as well as offsite hauling
- (4) Emission factors from the Midwest Research Institute (MRI, 2006) for paved road dust were included for PM10 and PM2.5 in the on-road emission factors.

<u>Trip Characteristics:</u>	<u>Miles (max of rural/urban)</u>
Home-based work	15
Commercial-based commute	15
Landfill	5 miles

## Appendix F - Air Quality Analysis

Construction Equipment Emissions							CO	VOC	NOX	SO2	
Construction Activity	Equipment	#	Hrs/day	Type	Fuel	HP	Round-trip	(lb/hp-hr) or	(lb/hp-hr)	(lb/hp-hr)	(lb/hp-hr)
							Miles	(lb/mi)	or (lb/mi)	or (lb/mi)	or (lb/mi)
<i>Aggregate Placement</i>	Front-end Loader	1	8	Tractors/Loaders/Backhoes	D	120	NA	0.000004	0.000001	0.000006	0.000000
	Hydraulic Excavator	1	8	Excavators	D	175	NA	0.000018	0.000074	0.000441	0.000000
	Transfer haul trucks	4	8	HHDT-DSL	D	NA	30	0.008157	0.001961	0.025412	-
	Pick-up Trucks	3	8	MDV-CAT	G	NA	30	0.009136	0.000962	0.001252	0.000017
	Workers	9	8	LDA-TOT	G	NA	30	0.006033	0.000733	0.000506	0.000009
<b>Subtotal--&gt;</b>											
<i>Saw-Cutting</i>	Diamond chain saws	2	8	Concrete/Industrial Saws	G4	15	NA	0.003965	0.000103	0.000074	0.000000
	Rotary wheel saws	2	8	Concrete/Industrial Saws	G4	15	NA	0.003965	0.000103	0.000074	0.000000
	Hydraulic Excavator	1	8	Excavators	D	175	NA	0.000018	0.000003	0.000025	0.000000
	Haul truck	1	8	HHDT-DSL	D	NA	30	0.008157	0.001961	0.025412	-
	Pick-up Trucks	4	8	MDV-CAT	G	NA	30	0.009136	0.000962	0.001252	0.000017
	Workers	8	8	LDA-TOT	G	NA	30	0.006033	0.000733	0.000506	0.000009
<b>Subtotal--&gt;</b>											
<i>Installing Steel Caps</i>	Crane	1	8	Cranes	D	250	NA	0.000058	0.000021	0.000200	0.000000
	Concrete pump truck	1	8	HHDT-DSL	D	NA	30	0.008157	0.001961	0.025412	-
	Concrete trucks <sup>5</sup>	3	8	HHDT-DSL	D	NA	30	0.008157	0.001961	0.025412	-
	Bushhammer	2	8	Pneumatic			NA				
	Rotohammer	2	8	Pneumatic			NA				
	Generator	2	8	Generator Sets	G4	15	NA	0.000148	0.000004	0.000002	0.000000
	Air compressor	1	8	Air Compressors	D	120	NA	0.000020	0.000005	0.000033	0.000000
	Pick-up Trucks	3	8	MDV-CAT	G	NA	30	0.009136	0.000962	0.001252	0.000017
	Workers	12	8	LDA-TOT	G	NA	30	0.006033	0.000733	0.000506	0.000009
<b>Subtotal--&gt;</b>											
<i>Excavation of Wiers and Off-site Hauling of 200 CM Soil</i>	Hydraulic Excavator	1	8	Excavators	D	175	NA	0.000018	0.000003	0.000025	0.000000
	Workers	2	8	LDA-TOT	G	NA	30	0.006033	0.000733	0.000506	0.000009
<i>Offsite Hauling of 200 CM Soil</i>	Haul Trucks	3	8	HHDT-DSL	D	NA	10	0.008157	0.001961	0.025412	-
<b>Subtotal--&gt;</b>											

- (1) All offroad equipment horsepower and fuel is assumed to be equivalent to the most common in the OFFROAD database for Ventura County.
- (2) Workers are assumed to be light-duty vehicles, and all diesel and gas light-duty vehicles in EMFAC's database for Ventura County are included.
- (3) Emission factors from the Midwest Research Institute (MRI, 2006) for paved road dust were included for PM10 and PM2.5 in the on-road emission factors.
- (4) On-site construction fugitive dust was calculated using the CalEEMod model for 2012 for Ventura County using the above equipment list.
- (5) Assumes that concrete pouring takes place over one week

**Trip Characteristics:**

Home-based work  
 Commercial-based commute  
 Landfill

**Miles (max of rural/urban)**

15  
 15  
 5 miles

*Truck trips calculated by CDM*

Appendix F - Air Quality Analysis

	CO	ROG	NOX	SO2	PM	PM2.5	CO2	CH4	
Equipment	# Days	(tpy)							
Front-end Loader	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
Bulldozer	120.00	0.03	0.01	0.06	0.00	0.00	0.00	5.47	0.00
Grader	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00
Hydraulic Excavator	120.00	0.00	0.01	0.04	0.00	0.00	0.00	3.42	0.00
Front-end Loader	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
Bulldozer	120.00	0.01	0.00	0.01	0.00	0.00	0.00	1.34	0.00
Transfer haul trucks	120.00	0.06	0.01	0.18	-	0.01	0.01	0.03	0.00
Pick-up Trucks	120.00	0.05	0.01	0.01	0.00	0.00	0.00	0.01	0.00
Workers	120.00	0.38	0.05	0.03	0.00	0.06	0.01	0.05	0.00
Max Day Fugitive Dust	120.00					0.36	0.09		
		<b>0.53</b>	<b>0.08</b>	<b>0.34</b>	<b>0.00</b>	<b>0.44</b>	<b>0.12</b>	<b>10.85</b>	<b>0.01</b>
Haul Trucks	120.00	0.34	0.08	1.07	-	0.09	0.05	0.17	0.00
		<b>0.34</b>	<b>0.08</b>	<b>1.07</b>	<b>-</b>	<b>0.09</b>	<b>0.05</b>	<b>0.17</b>	<b>0.00</b>
		0.84	0.16	1.34	0.00	0.52	0.17	5.06	0.01

- (1) All offroad eq(1) All offroad equipment horsepower and fuel is assumed to be equivalent to the most common in the OFFROAD database for Ventura County.
- (2) Workers are assumed to be light-duty vehicles, and all diesel and gas light-duty vehicles in EMFAC's database for Venutura County are included.
- (3) The peak day includes excavation and stage cleanup as well as offsite hauling
- (4) Emission factors from the Midwest Research Institute (MRI, 2006) for paved road dust were included for PM10 and PM2.5 in the on-road emission factors.

# Appendix F - Air Quality Analysis

CalEEMod Version: CalEEMod.2011.1.1

## Santa Paula Creek Project Maintenance Dust Ventura County, Summer

### 1.0 Project Characteristics

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#### 1.1 Land Usage

Land Uses	Size	Metric
City Park	200	Acre

#### 1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	Utility Company
Climate Zone	8	2.6	
		Precipitation Freq (Days)	

#### 1.3 User Entered Comments

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Project Characteristics -  
 Land Use -  
 Construction Phase - 2 months of construction  
 Off-road Equipment - Equipment for Fishladder  
 Grading - 333500 CY  
 Road Dust -  
 Construction Off-road Equipment Mitigation -  
 Trips and VMT - No more than 8 workers on site at any time (Santa Paula EA)  
 Off-road Equipment -  
 Off-road Equipment - Fishladder EA

### 2.0 Emissions Summary

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### 3.0 Construction Detail

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#### 3.1 Mitigation Measures Construction

Water Exposed Area

#### 3.2 Stage Cleanup - 2012

##### Unmitigated Construction On-Site

lb/day	Fugitive PM10	Fugitive PM2.5
Category		
Fugitive Dust	13.20	3.37
Off-Road		
<b>Total</b>	<b>13.20</b>	<b>3.37</b>

##### Mitigated Construction On-Site

	Fugitive PM10	Fugitive PM2.5
Category		
Fugitive Dust	5.94	1.52
Off-Road		
<b>Total</b>	<b>5.94</b>	<b>1.52</b>

#### 3.3 Excavation - 2012

##### Unmitigated Construction On-Site

	Fugitive PM10	Fugitive PM2.5
Category		
Off-Road		
<b>Total</b>		

##### Mitigated Construction On-Site

	Fugitive PM10	Fugitive PM2.5
Category		
Off-Road		
<b>Total</b>		

## Appendix F-2: Draft RONA

## GENERAL CONFORMITY - RECORD OF NON-APPLICABILITY (RONA)

**Project/Action Name:** Santa Paula Creek Supplemental Environmental Assessment (SEA)

**Project/Action Point of Contact:** [Christopher Jones, Project Biologist/Environmental Coordinator, (213)304-6234]

**Estimated Project/Action Start Date:** June 2012

**Estimated Project/Action End Date:** November 2012

**General Conformity:**

General Conformity under the Clean Air Act, Section 176 has been evaluated for the project described above according to the requirements of 40 CFR 93, Subpart B. The requirements of this rule are not applicable to this project/action because:

On June 15, 2005 the 1 hour ozone standard was revoked per 40 CFR 50.9(b) for all areas except the 8-hour ozone nonattainment Early Action Compact Areas (EAC) areas (those do not yet have an effective date for their 8-hour designations). The 1-hour ozone standard was revoked for all areas in California including Ventura County, which is therefore is only subject to the Federal 8-hour ozone standard. Ventura County is a serious nonattainment area for 8-hour ozone. The conformity de minimis threshold values for ozone nonattainment in 40 CFR 93.153(b) are 50 tons per year each for the ozone precursors VOC and NOx.

Total direct and indirect emissions from this project/action have been estimated to be approximately 1 ton of nitrogen oxide (NOx) and less than 1.0 ton of volatile organic compounds (VOCs) annually for total project construction and future operations and maintenance, which are well below the conformity threshold values established at 40 CFR 93.153(b) of 25 tons per year for each of the subject pollutants.

**AND**

The project/action is not considered regionally significant under 40 CFR 93.153(i).

**Supporting Documentation:**

Supporting documentation and emissions estimates are presented in the air quality discussion of the SEA, specifically, Section 3.7 (Existing Conditions) and 4.7 (Impacts Analysis), and in the modeling outputs provided in Appendix E.

Signed:

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Date

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R. Mark Toy  
Colonel, US Army  
Los Angeles District Commander