

Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: P:\00 Open Projects\5671 Jamboree Rd. Newport Beach - VA Consulting\Air & Noise\Urbemis\5671 - Jamboree Road.urb924

Project Name: 5671 - Jamboree Road widening

Project Location: Orange County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2011 TOTALS (lbs/day unmitigated)	1.22	8.54	6.03	0.00	0.14	0.61	0.75	0.03	0.56	0.59	955.59
2012 TOTALS (lbs/day unmitigated)	5.13	46.49	20.91	0.00	0.14	2.30	2.31	0.03	2.12	2.12	5,470.38

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
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Time Slice 5/1/2012-5/31/2012	<u>5.13</u>	<u>46.49</u>	<u>20.91</u>	<u>0.00</u>	0.01	<u>2.30</u>	<u>2.31</u>	0.00	<u>2.12</u>	<u>2.12</u>	<u>5,470.38</u>
Active Days: 23											
Asphalt 05/01/2012-05/31/2012	1.77	10.75	8.35	0.00	0.01	0.92	0.93	0.00	0.84	0.85	1,201.54
Paving Off-Gas	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.72	10.64	6.84	0.00	0.00	0.91	0.91	0.00	0.84	0.84	979.23
Paving On Road Diesel	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.63
Paving Worker Trips	0.04	0.08	1.49	0.00	0.01	0.01	0.02	0.00	0.00	0.01	217.69
Building 01/02/2012-05/31/2012	3.36	35.75	12.57	0.00	0.00	1.38	1.38	0.00	1.27	1.27	4,268.84
Building Off Road Diesel	3.36	35.75	12.57	0.00	0.00	1.38	1.38	0.00	1.27	1.27	4,268.84
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Assumptions

Phase: Demolition 10/3/2011 - 3/30/2012 - Demo C&G and paving

Building Volume Total (cubic feet): 3200

Building Volume Daily (cubic feet): 320

On Road Truck Travel (VMT): 4.44

Off-Road Equipment:

1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Paving 5/1/2012 - 5/31/2012 - Paving

Acres to be Paved: 0.07

Off-Road Equipment:

4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 1/2/2012 - 5/31/2012 - Build retaining walls

Off-Road Equipment:

- 1 Air Compressors (106 hp) operating at a 0.48 load factor for 8 hours per day
- 2 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 8 hours per day
- 1 Generator Sets (549 hp) operating at a 0.74 load factor for 8 hours per day
- 1 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day