

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\JPaukovits\Application Data\Urbemis\Version9a\Projects\Rocklin Commons - Phase I Construction Emissions (1).urb924

Project Name: Rocklin Commons

Project Location: Placer County APCD

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>
2009 TOTALS (tons/year unmitigated)	0.15	1.18	0.64	0.00	6.75	0.06	6.81	1.41	0.06	1.47	103.46
2010 TOTALS (tons/year unmitigated)	1.95	3.30	2.46	0.00	11.04	0.21	11.25	2.31	0.19	2.50	367.10
2011 TOTALS (tons/year unmitigated)	1.57	0.64	0.91	0.00	0.00	0.04	0.05	0.00	0.04	0.04	130.11

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, 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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2011	1.57	0.64	0.91	0.00	0.00	0.04	0.05	0.00	0.04	0.04	130.11
Building 10/03/2010-04/03/2011	0.13	0.64	0.90	0.00	0.00	0.04	0.05	0.00	0.04	0.04	128.40
Building Off Road Diesel	0.11	0.55	0.37	0.00	0.00	0.04	0.04	0.00	0.04	0.04	56.76
Building Vendor Trips	0.00	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.18
Building Worker Trips	0.02	0.03	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.46
Coating 10/03/2010-04/03/2011	1.44	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71
Architectural Coating	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71

Phase Assumptions

Phase: Mass Grading 10/1/2009 - 6/1/2010 - Default Mass Site Grading Description

Total Acres Disturbed: 40.86

Maximum Daily Acreage Disturbed: 10.22

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Graders (174 hp) operating at a 0.61 load factor for 8 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 8 hours per day
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 6/2/2010 - 10/2/2010 - Default Paving Description

Acres to be Paved: 10.22

Off-Road Equipment:

- 1 Pavers (100 hp) operating at a 0.62 load factor for 8 hours per day
- 2 Paving Equipment (104 hp) operating at a 0.53 load factor for 6 hours per day
- 2 Rollers (95 hp) operating at a 0.56 load factor for 6 hours per day

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Phase: Building Construction 10/3/2010 - 4/3/2011 - Default Building Construction Description

Off-Road Equipment:

1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day

2 Forklifts (145 hp) operating at a 0.3 load factor for 7 hours per day

1 Generator Sets (49 hp) operating at a 0.74 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

3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Architectural Coating 10/3/2010 - 4/3/2011 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

