

Detail Report for Annual Construction Unmitigated Emissions (Tons/Year)

File Name: C:\Documents and Settings\klmiller\Desktop\Projects\MB to Cayucos\Reports\MBtC\_URBEMIS.urb924

Project Name: Morro Bay to Cayucos Connector

Project Location: San Luis Obispo County APCD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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 Total</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5 Total</u>	<u>CO2</u>
2013	0.05	0.34	0.24	0.00	0.87	0.02	0.89	0.18	0.02	0.20	44.22
Fine Grading 06/03/2013-07/31/2013	0.04	0.31	0.21	0.00	0.87	0.02	0.89	0.18	0.02	0.20	40.89
Fine Grading Dust	0.00	0.00	0.00	0.00	0.87	0.00	0.87	0.18	0.00	0.18	0.00
Fine Grading Off Road Diesel	0.04	0.29	0.17	0.00	0.00	0.02	0.02	0.00	0.02	0.02	34.89
Fine Grading On Road Diesel	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.02
Fine Grading Worker Trips	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.98
Asphalt 07/25/2013-07/31/2013	0.01	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.34
Paving Off-Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.45
Paving On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41
Paving Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48

Phase Assumptions

Phase: Fine Grading 6/3/2013 - 7/31/2013 - Grade alignment and construct retaining walls, etc.

Total Acres Disturbed: 1.8

Maximum Daily Acreage Disturbed: 0.5

Fugitive Dust Level of Detail: Low

Onsite Cut/Fill: 300 cubic yards/day; Offsite Cut/Fill: 0 cubic yards/day

On Road Truck Travel (VMT): 34.88

Off-Road Equipment:

- 1 Dumpers/Tenders (16 hp) operating at a 0.38 load factor for 8 hours per day
- 1 Graders (174 hp) operating at a 0.61 load factor for 6 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 7/25/2013 - 7/31/2013 - Paving trail

Acres to be Paved: 1

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

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: C:\Documents and Settings\kmliller\Desktop\Projects\MB to Cayucos\Reports\MBtC URBEMIS.urb924

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Project Location: San Luis Obispo County APCD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer 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 Total</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5 Total</u>	<u>CO2</u>
Time Slice 6/3/2013-7/24/2013 Active	1.92	14.45	9.89	0.00	40.41	0.84	41.25	8.44	0.77	9.22	1,901.63
Fine Grading 06/03/2013-07/31/2013	1.92	14.45	9.89	0.00	40.41	0.84	41.25	8.44	0.77	9.22	1,901.63
Fine Grading Dust	0.00	0.00	0.00	0.00	40.40	0.00	40.40	8.44	0.00	8.44	0.00
Fine Grading Off Road Diesel	1.82	13.64	8.14	0.00	0.00	0.82	0.82	0.00	0.75	0.75	1,622.81
Fine Grading On Road Diesel	0.04	0.69	0.22	0.00	0.00	0.02	0.03	0.00	0.02	0.02	140.44
Fine Grading Worker Trips	0.06	0.12	1.54	0.00	0.01	0.00	0.01	0.00	0.00	0.01	138.38
Time Slice 7/25/2013-7/31/2013 Active	<b>4.19</b>	<b>25.48</b>	<b>19.09</b>	<b>0.01</b>	<b>40.43</b>	<b>1.71</b>	<b>42.14</b>	<b>8.45</b>	<b>1.57</b>	<b>10.02</b>	<b>3,236.97</b>
Asphalt 07/25/2013-07/31/2013	2.27	11.03	9.19	0.00	0.02	0.87	0.88	0.01	0.80	0.80	1,335.34
Paving Off-Gas	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.61	10.07	6.79	0.00	0.00	0.83	0.83	0.00	0.77	0.77	979.23
Paving On Road Diesel	0.05	0.80	0.25	0.00	0.01	0.03	0.03	0.00	0.02	0.03	162.38
Paving Worker Trips	0.08	0.16	2.16	0.00	0.01	0.01	0.02	0.00	0.00	0.01	193.73
Fine Grading 06/03/2013-07/31/2013	1.92	14.45	9.89	0.00	40.41	0.84	41.25	8.44	0.77	9.22	1,901.63
Fine Grading Dust	0.00	0.00	0.00	0.00	40.40	0.00	40.40	8.44	0.00	8.44	0.00
Fine Grading Off Road Diesel	1.82	13.64	8.14	0.00	0.00	0.82	0.82	0.00	0.75	0.75	1,622.81
Fine Grading On Road Diesel	0.04	0.69	0.22	0.00	0.00	0.02	0.03	0.00	0.02	0.02	140.44
Fine Grading Worker Trips	0.06	0.12	1.54	0.00	0.01	0.00	0.01	0.00	0.00	0.01	138.38

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