

Combined Summer Emissions Reports (Pounds/Day)

File Name: P:\DLM0601\Air Quality\Air Modeling\Urbemis\Fire Station Cons.urb924

Project Name: Fire Station Construction

Project Location: South Coast AQMD

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

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2008 TOTALS (lbs/day unmitigated)	3.35	28.07	14.77	0.02	12.66	1.41	14.01	2.64	1.30	3.88	2,590.79
2008 TOTALS (lbs/day mitigated)	3.35	28.07	14.77	0.02	12.66	1.41	14.01	2.64	1.30	3.88	2,590.79
2009 TOTALS (lbs/day unmitigated)	16.07	10.03	6.17	0.00	0.01	0.64	0.65	0.00	0.59	0.59	1,043.57
2009 TOTALS (lbs/day mitigated)	16.07	10.03	6.17	0.00	0.01	0.64	0.65	0.00	0.59	0.59	1,043.57

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
Time Slice 3/3/2008-3/21/2008 Active Days: 15	2.49	23.93	12.05	0.02	12.66	1.34	14.01	2.64	1.24	3.88	2,590.79
Demolition 03/03/2008-03/21/2008	2.49	23.93	12.05	0.02	12.66	1.34	14.01	2.64	1.24	3.88	2,590.79
Fugitive Dust	0.00	0.00	0.00	0.00	12.60	0.00	12.60	2.62	0.00	2.62	0.00
Demo Off Road Diesel	1.31	8.68	4.91	0.00	0.00	0.68	0.68	0.00	0.62	0.62	700.30
Demo On Road Diesel	1.14	15.17	5.93	0.02	0.06	0.66	0.72	0.02	0.61	0.63	1,766.00
Demo Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.49
Time Slice 3/24/2008-6/20/2008 Active Days: 65	3.35	28.07	14.77	0.00	1.71	1.41	3.12	0.36	1.30	1.66	2,371.80

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Mass Grading 03/24/2008-06/20/2008	3.35	28.07	14.77	0.00	1.71	1.41	3.12	0.36	1.30	1.66	2,371.80
Mass Grading Dust	0.00	0.00	0.00	0.00	1.70	0.00	1.70	0.36	0.00	0.36	0.00
Mass Grading Off Road Diesel	3.31	28.00	13.56	0.00	0.00	1.41	1.41	0.00	1.30	1.30	2,247.32
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.49
Time Slice 6/23/2008-8/1/2008 Active Days: 30	<u>3.35</u>	<u>28.07</u>	<u>14.77</u>	0.00	1.71	<u>1.41</u>	3.12	0.36	<u>1.30</u>	1.66	2,371.80
Fine Grading 06/23/2008-08/01/2008	3.35	28.07	14.77	0.00	1.71	1.41	3.12	0.36	1.30	1.66	2,371.80
Fine Grading Dust	0.00	0.00	0.00	0.00	1.70	0.00	1.70	0.36	0.00	0.36	0.00
Fine Grading Off Road Diesel	3.31	28.00	13.56	0.00	0.00	1.41	1.41	0.00	1.30	1.30	2,247.32
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.49
Time Slice 8/4/2008-8/15/2008 Active Days: 10	2.37	20.19	9.68	0.00	0.01	1.00	1.01	0.00	0.92	0.92	1,839.12
Trenching 08/04/2008-08/15/2008	2.37	20.19	9.68	0.00	0.01	1.00	1.01	0.00	0.92	0.92	1,839.12
Trenching Off Road Diesel	2.33	20.12	8.46	0.00	0.00	1.00	1.00	0.00	0.92	0.92	1,714.64
Trenching Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.49
Time Slice 8/18/2008-8/29/2008 Active Days: 10	2.35	13.62	9.35	0.00	0.01	1.16	1.17	0.00	1.07	1.07	1,222.94
Asphalt 08/18/2008-08/29/2008	2.35	13.62	9.35	0.00	0.01	1.16	1.17	0.00	1.07	1.07	1,222.94
Paving Off-Gas	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.22	13.27	7.15	0.00	0.00	1.15	1.15	0.00	1.06	1.06	979.23
Paving On Road Diesel	0.02	0.22	0.09	0.00	0.00	0.01	0.01	0.00	0.01	0.01	25.86
Paving Worker Trips	0.07	0.13	2.12	0.00	0.01	0.01	0.02	0.00	0.00	0.01	217.85
Time Slice 9/1/2008-12/31/2008 Active Days: 88	1.44	10.73	6.41	0.00	0.01	0.68	0.68	0.00	0.62	0.63	1,043.62
Building 09/01/2008-04/24/2009	1.44	10.73	6.41	0.00	0.01	0.68	0.68	0.00	0.62	0.63	1,043.62
Building Off Road Diesel	1.39	10.47	5.09	0.00	0.00	0.67	0.67	0.00	0.61	0.61	893.39
Building Vendor Trips	0.02	0.19	0.15	0.00	0.00	0.01	0.01	0.00	0.01	0.01	30.73

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Building Worker Trips	0.04	0.07	1.16	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119.51
Time Slice 1/1/2009-4/24/2009 Active Days: 82	1.35	<u>10.03</u>	<u>6.17</u>	<u>0.00</u>	<u>0.01</u>	<u>0.64</u>	<u>0.65</u>	<u>0.00</u>	<u>0.65</u>	<u>0.00</u>	<u>0.59</u>	<u>0.59</u>	<u>0.59</u>	<u>0.59</u>	<u>0.59</u>	<u>0.59</u>	<u>0.59</u>	<u>0.59</u>	<u>1,043.57</u>
Building 09/01/2008-04/24/2009	1.35	10.03	6.17	0.00	0.01	0.64	0.65	0.00	0.65	0.00	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	1,043.57
Building Off Road Diesel	1.30	9.79	4.94	0.00	0.00	0.63	0.63	0.00	0.63	0.00	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	893.39
Building Vendor Trips	0.02	0.18	0.14	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	30.73
Building Worker Trips	0.03	0.06	1.08	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119.45
Time Slice 4/27/2009-5/22/2009 Active Days: 20	<u>16.07</u>	<u>0.01</u>	<u>0.21</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>23.33</u>
Coating 04/27/2009-05/22/2009	16.07	0.01	0.21	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	23.33
Architectural Coating	16.07	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	0.00	0.00
Coating Worker Trips	0.01	0.01	0.21	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	23.33

Phase Assumptions

Phase: Demolition 3/3/2008 - 3/21/2008 - Default Demolition Description

Building Volume Total (cubic feet): 300000

Building Volume Daily (cubic feet): 30000

On Road Truck Travel (VMT): 416.67

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Fine Grading 6/23/2008 - 8/1/2008 - Default Fine Site Grading/Excavation Description

Total Acres Disturbed: 0.69

Maximum Daily Acreage Disturbed: 0.17

Fugitive Dust Level of Detail: Default

10 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 6 hours per day

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- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 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: Mass Grading 3/24/2008 - 6/20/2008 - Default Mass Site Grading/Excavation Description

Total Acres Disturbed: 0.69

Maximum Daily Acreage Disturbed: 0.17

Fugitive Dust Level of Detail: Default

10 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 6 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 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: Trenching 8/4/2008 - 8/15/2008 - Default Trenching Description

Off-Road Equipment:

- 2 Excavators (168 hp) operating at a 0.57 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 0 hours per day

Phase: Paving 8/18/2008 - 8/29/2008 - Default Paving Description

Acres to be Paved: 0.17

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 9/1/2008 - 4/24/2009 - Default Building Construction Description



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Mass Grading Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.49	
Time Slice 6/23/2008-8/1/2008 Active Days: 30	<u>3.35</u>	<u>28.07</u>	<u>14.77</u>	0.00	0.97	<u>1.41</u>	<u>1.41</u>	<u>1.41</u>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2,371.80
Fine Grading 06/23/2008- 08/01/2008	3.35	28.07	14.77	0.00	0.97	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	2,371.80
Fine Grading Dust	0.00	0.00	0.00	0.00	0.96	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	0.20	0.00
Fine Grading Off Road Diesel	3.31	28.00	13.56	0.00	0.00	1.41	1.41	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	2,247.32
Fine Grading On Road Diesel	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	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.49
Time Slice 8/4/2008-8/15/2008 Active Days: 10	2.37	20.19	9.68	0.00	0.01	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	1,839.12
Trenching 08/04/2008-08/15/2008	2.37	20.19	9.68	0.00	0.01	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	1,839.12
Trenching Off Road Diesel	2.33	20.12	8.46	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	1,714.64
Trenching Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.49
Time Slice 8/18/2008-8/29/2008 Active Days: 10	2.35	13.62	9.35	0.00	0.01	1.16	1.16	1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	1,222.94
Asphalt 08/18/2008-08/29/2008	2.35	13.62	9.35	0.00	0.01	1.16	1.16	1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	1,222.94
Paving Off-Gas	0.04	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	0.00	0.00	0.00
Paving Off Road Diesel	2.22	13.27	7.15	0.00	0.00	1.15	1.15	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06	979.23
Paving On Road Diesel	0.02	0.22	0.09	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	25.86
Paving Worker Trips	0.07	0.13	2.12	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	217.85
Time Slice 9/1/2008-12/31/2008 Active Days: 88	1.44	10.73	6.41	0.00	0.01	0.68	0.68	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	1,043.62
Building 09/01/2008-04/24/2009	1.44	10.73	6.41	0.00	0.01	0.68	0.68	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	1,043.62
Building Off Road Diesel	1.39	10.47	5.09	0.00	0.00	0.67	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	893.39
Building Vendor Trips	0.02	0.19	0.15	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	30.73
Building Worker Trips	0.04	0.07	1.16	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119.51
Time Slice 1/1/2009-4/24/2009 Active Days: 82	1.35	<u>10.03</u>	<u>6.17</u>	<u>0.00</u>	<u>0.01</u>	<u>0.64</u>	<u>0.64</u>	<u>0.64</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.59</u>	<u>1,043.57</u>
Building 09/01/2008-04/24/2009	1.35	10.03	6.17	0.00	0.01	0.64	0.64	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	1,043.57
Building Off Road Diesel	1.30	9.79	4.94	0.00	0.00	0.63	0.63	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	893.39





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Fine Grading 06/23/2008-08/01/2008	3.35	28.07	14.77	0.00	6.71	1.41	8.12	1.40	1.30	2.70	2,371.80
Fine Grading Dust	0.00	0.00	0.00	0.00	6.70	0.00	6.70	1.40	0.00	1.40	0.00
Fine Grading Off Road Diesel	3.31	28.00	13.56	0.00	0.00	1.41	1.41	0.00	1.30	1.30	2,247.32
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.49
Time Slice 8/4/2008-8/15/2008 Active Days: 10	2.37	20.19	9.68	0.00	0.01	1.00	1.01	0.00	0.92	0.92	1,839.12
Trenching 08/04/2008-08/15/2008	2.37	20.19	9.68	0.00	0.01	1.00	1.01	0.00	0.92	0.92	1,839.12
Trenching Off Road Diesel	2.33	20.12	8.46	0.00	0.00	1.00	1.00	0.00	0.92	0.92	1,714.64
Trenching Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.49
Time Slice 8/18/2008-8/29/2008 Active Days: 10	2.53	14.28	9.61	0.00	0.01	1.19	1.20	0.00	1.10	1.10	1,299.01
Asphalt 08/18/2008-08/29/2008	2.53	14.28	9.61	0.00	0.01	1.19	1.20	0.00	1.10	1.10	1,299.01
Paving Off-Gas	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.22	13.27	7.15	0.00	0.00	1.15	1.15	0.00	1.06	1.06	979.23
Paving On Road Diesel	0.07	0.88	0.34	0.00	0.00	0.04	0.04	0.00	0.04	0.04	101.94
Paving Worker Trips	0.07	0.13	2.12	0.00	0.01	0.01	0.02	0.00	0.00	0.01	217.85
Time Slice 9/1/2008-12/31/2008 Active Days: 88	1.60	11.48	10.19	0.01	0.03	0.71	0.74	0.01	0.65	0.66	1,474.90
Building 09/01/2008-04/24/2009	1.60	11.48	10.19	0.01	0.03	0.71	0.74	0.01	0.65	0.66	1,474.90
Building Off Road Diesel	1.39	10.47	5.09	0.00	0.00	0.67	0.67	0.00	0.61	0.61	893.39
Building Vendor Trips	0.06	0.73	0.59	0.00	0.00	0.03	0.04	0.00	0.03	0.03	118.94
Building Worker Trips	0.15	0.28	4.51	0.00	0.02	0.01	0.03	0.01	0.01	0.02	462.57
Time Slice 1/1/2009-4/24/2009 Active Days: 82	1.49	10.73	9.68	0.01	0.03	0.68	0.70	0.01	0.62	0.63	1,474.70
Building 09/01/2008-04/24/2009	1.49	10.73	9.68	0.01	0.03	0.68	0.70	0.01	0.62	0.63	1,474.70
Building Off Road Diesel	1.30	9.79	4.94	0.00	0.00	0.63	0.63	0.00	0.58	0.58	893.39
Building Vendor Trips	0.06	0.69	0.55	0.00	0.00	0.03	0.03	0.00	0.03	0.03	118.94
Building Worker Trips	0.13	0.25	4.19	0.00	0.02	0.01	0.03	0.01	0.01	0.02	462.36

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Time Slice 4/27/2009-5/22/2009	<u>62.21</u>	0.05	0.82	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	90.31
Active Days: 26												
Coating 04/27/2009-05/22/2009	62.21	0.05	0.82	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	90.31
Architectural Coating	62.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.03	0.05	0.82	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	90.31

Phase Assumptions

Phase: Fine Grading 6/23/2008 - 8/1/2008 - Default Fine Site Grading/Excavation Description

Total Acres Disturbed: 2.67

Maximum Daily Acreage Disturbed: 0.67

Fugitive Dust Level of Detail: Default

10 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 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 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: Mass Grading 3/24/2008 - 6/20/2008 - Default Mass Site Grading/Excavation Description

Total Acres Disturbed: 2.67

Maximum Daily Acreage Disturbed: 0.67

Fugitive Dust Level of Detail: Default

10 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 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 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

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Phase: Trenching 8/4/2008 - 8/15/2008 - Default Trenching Description

Off-Road Equipment:

- 2 Excavators (168 hp) operating at a 0.57 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 0 hours per day

Phase: Paving 8/18/2008 - 8/29/2008 - Default Paving Description

Acres to be Paved: 0.67

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 9/1/2008 - 4/24/2009 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Architectural Coating 4/27/2009 - 5/22/2009 - Default Architectural Coating Description

- Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100
- Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50
- Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250
- Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100
- 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

Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

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	<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>
Time Slice 3/24/2008-6/20/2008 Active Days: 65	<u>3.35</u>	<u>28.07</u>	<u>14.77</u>	0.00	<u>3.79</u>	<u>1.41</u>	<u>5.21</u>	<u>0.79</u>	<u>1.30</u>	<u>2.09</u>	<u>2,371.80</u>
Mass Grading 03/24/2008-06/20/2008 Mass Grading Dust	3.35	28.07	14.77	0.00	3.79	1.41	5.21	0.79	1.30	2.09	2,371.80
Mass Grading Off Road Diesel	0.00	0.00	0.00	0.00	3.79	0.00	3.79	0.79	0.00	0.79	0.00
Mass Grading On Road Diesel	3.31	28.00	13.56	0.00	0.00	1.41	1.41	0.00	1.30	1.30	2,247.32
Mass Grading Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.49
Time Slice 6/23/2008-8/1/2008 Active Days: 30	<u>3.35</u>	<u>28.07</u>	<u>14.77</u>	0.00	<u>3.79</u>	<u>1.41</u>	<u>5.21</u>	<u>0.79</u>	<u>1.30</u>	<u>2.09</u>	<u>2,371.80</u>
Fine Grading 06/23/2008-08/01/2008 Fine Grading Dust	3.35	28.07	14.77	0.00	3.79	1.41	5.21	0.79	1.30	2.09	2,371.80
Fine Grading Off Road Diesel	0.00	0.00	0.00	0.00	3.79	0.00	3.79	0.79	0.00	0.79	0.00
Fine Grading Off Road Diesel	3.31	28.00	13.56	0.00	0.00	1.41	1.41	0.00	1.30	1.30	2,247.32
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.49
Time Slice 8/4/2008-8/15/2008 Active Days: 10	2.37	20.19	9.68	0.00	0.01	1.00	1.01	0.00	0.92	0.92	1,839.12
Trenching 08/04/2008-08/15/2008	2.37	20.19	9.68	0.00	0.01	1.00	1.01	0.00	0.92	0.92	1,839.12
Trenching Off Road Diesel	2.33	20.12	8.46	0.00	0.00	1.00	1.00	0.00	0.92	0.92	1,714.64
Trenching Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.49
Time Slice 8/18/2008-8/29/2008 Active Days: 10	2.53	14.28	9.61	0.00	0.01	1.19	1.20	0.00	1.10	1.10	1,299.01
Asphalt 08/18/2008-08/29/2008	2.53	14.28	9.61	0.00	0.01	1.19	1.20	0.00	1.10	1.10	1,299.01
Paving Off-Gas	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.22	13.27	7.15	0.00	0.00	1.15	1.15	0.00	1.06	1.06	979.23
Paving On Road Diesel	0.07	0.88	0.34	0.00	0.00	0.04	0.04	0.00	0.04	0.04	101.94
Paving Worker Trips	0.07	0.13	2.12	0.00	0.01	0.01	0.02	0.00	0.00	0.01	217.85
Time Slice 9/1/2008-12/31/2008 Active Days: 88	1.60	11.48	10.19	<u>0.01</u>	0.03	0.71	0.74	0.01	0.65	0.66	1,474.90
Building 09/01/2008-04/24/2009	1.60	11.48	10.19	0.01	0.03	0.71	0.74	0.01	0.65	0.66	1,474.90

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Building Off Road Diesel	1.39	10.47	5.09	0.00	0.00	0.67	0.67	0.00	0.61	0.61	893.39
Building Vendor Trips	0.06	0.73	0.59	0.00	0.00	0.03	0.04	0.00	0.03	0.03	118.94
Building Worker Trips	0.15	0.28	4.51	0.00	0.02	0.01	0.03	0.01	0.01	0.02	462.57
Time Slice 1/1/2009-4/24/2009 Active Days: 82	1.49	<u>10.73</u>	<u>9.68</u>	<u>0.01</u>	<u>0.03</u>	<u>0.68</u>	<u>0.70</u>	<u>0.01</u>	<u>0.62</u>	<u>0.63</u>	<u>1,474.70</u>
Building 09/01/2008-04/24/2009	1.49	10.73	9.68	0.01	0.03	0.68	0.70	0.01	0.62	0.63	1,474.70
Building Off Road Diesel	1.30	9.79	4.94	0.00	0.00	0.63	0.63	0.00	0.58	0.58	893.39
Building Vendor Trips	0.06	0.69	0.55	0.00	0.00	0.03	0.03	0.00	0.03	0.03	118.94
Building Worker Trips	0.13	0.25	4.19	0.00	0.02	0.01	0.03	0.01	0.01	0.02	462.36
Time Slice 4/27/2009-5/22/2009 Active Days: 20	<u>62.21</u>	0.05	0.82	0.00	0.00	0.00	0.01	0.00	0.00	0.00	90.31
Coating 04/27/2009-05/22/2009	62.21	0.05	0.82	0.00	0.00	0.00	0.01	0.00	0.00	0.00	90.31
Architectural Coating	62.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.03	0.05	0.82	0.00	0.00	0.00	0.01	0.00	0.00	0.00	90.31

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 6/23/2008 - 8/1/2008 - Default Fine Site Grading/Excavation Description  
For Soil Stabilizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:  
PM10: 55% PM25: 55%

The following mitigation measures apply to Phase: Mass Grading 3/24/2008 - 6/20/2008 - Default Mass Site Grading/Excavation Description  
For Soil Stabilizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:  
PM10: 55% PM25: 55%

Combined Summer Emissions Reports (Pounds/Day)

File Name: P:\DLM0601\Air Quality\Air Modeling\Urbemis\Maintenance Const.urb924

Project Name: Maintenance Yards A, B, and D

Project Location: South Coast AQMD

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>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2008 TOTALS (lbs/day unmitigated)	4.43	28.07	20.31	0.01	11.11	1.61	2.32	1.48	3.62	2,592.71
2008 TOTALS (lbs/day mitigated)	4.43	28.07	20.31	0.01	6.28	1.61	1.31	1.48	2.61	2,592.71
2009 TOTALS (lbs/day unmitigated)	103.94	18.91	19.42	0.01	0.04	1.34	0.02	1.24	1.25	2,592.38
2009 TOTALS (lbs/day mitigated)	103.94	18.91	19.42	0.01	0.04	1.34	0.02	1.24	1.25	2,592.38

Construction Unmitigated Detail Report:

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>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 3/24/2008-6/20/2008	3.35	28.07	14.77	0.00	11.11	1.41	2.32	1.30	3.62	2,371.80
Active Days: 65										
Mass Grading 03/24/2008-06/20/2008	3.35	28.07	14.77	0.00	11.11	1.41	2.32	1.30	3.62	2,371.80
Mass Grading Dust	0.00	0.00	0.00	0.00	11.10	0.00	2.32	0.00	2.32	0.00
Mass Grading Off Road Diesel	3.31	28.00	13.56	0.00	0.00	1.41	0.00	1.30	1.30	2,247.32
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.00	0.00	0.00	124.49
Time Slice 6/23/2008-8/1/2008 Active Days: 30	3.35	28.07	14.77	0.00	11.11	1.41	2.32	1.30	3.62	2,371.80



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Time Slice 4/27/2009-5/22/2009	103.94	0.08	1.37	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	150.87
Active Days: 20														
Coating 04/27/2009-05/22/2009	103.94	0.08	1.37	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	150.87
Architectural Coating	103.89	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
Coating Worker Trips	0.04	0.08	1.37	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	150.87

Phase Assumptions

Phase: Fine Grading 6/23/2008 - 8/1/2008 - Default Fine Site Grading/Excavation Description

Total Acres Disturbed: 4.45

Maximum Daily Acreage Disturbed: 1.11

Fugitive Dust Level of Detail: Default

10 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 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 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: Mass Grading 3/24/2008 - 6/20/2008 - Default Mass Site Grading/Excavation Description

Total Acres Disturbed: 4.45

Maximum Daily Acreage Disturbed: 1.11

Fugitive Dust Level of Detail: Default

10 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 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 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

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Phase: Trenching 8/4/2008 - 8/15/2008 - Default Trenching Description

Off-Road Equipment:

- 2 Excavators (168 hp) operating at a 0.57 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 0 hours per day

Phase: Paving 8/18/2008 - 8/29/2008 - Default Paving Description

Acres to be Paved: 1.11

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 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 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 9/1/2008 - 4/24/2009 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 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 4/27/2009 - 5/22/2009 - Default Architectural Coating Description

- Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100
- Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50
- Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250
- Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100
- 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

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Construction Mitigated Detail Report:

## CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
Time Slice 3/24/2008-6/20/2008 Active Days: 65	3.35	<u>28.07</u>	14.77	0.00	<u>6.28</u>	1.41	<u>7.70</u>	<u>1.31</u>	1.30	<u>2.61</u>	2,371.80
Mass Grading 03/24/2008- 06/20/2008	3.35	28.07	14.77	0.00	6.28	1.41	7.70	1.31	1.30	2.61	2,371.80
Mass Grading Dust	0.00	0.00	0.00	0.00	6.28	0.00	6.28	1.31	0.00	1.31	0.00
Mass Grading Off Road Diesel	3.31	28.00	13.56	0.00	0.00	1.41	1.41	0.00	1.30	1.30	2,247.32
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.49
Time Slice 6/23/2008-8/1/2008 Active Days: 30	3.35	<u>28.07</u>	14.77	0.00	<u>6.28</u>	1.41	<u>7.70</u>	<u>1.31</u>	1.30	<u>2.61</u>	2,371.80
Fine Grading 06/23/2008- 08/01/2008	3.35	28.07	14.77	0.00	6.28	1.41	7.70	1.31	1.30	2.61	2,371.80
Fine Grading Dust	0.00	0.00	0.00	0.00	6.28	0.00	6.28	1.31	0.00	1.31	0.00
Fine Grading Off Road Diesel	3.31	28.00	13.56	0.00	0.00	1.41	1.41	0.00	1.30	1.30	2,247.32
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.49
Time Slice 8/4/2008-8/15/2008 Active Days: 10	2.37	20.19	9.68	0.00	0.01	1.00	1.01	0.00	0.92	0.92	1,839.12
Trenching 08/04/2008-08/15/2008	2.37	20.19	9.68	0.00	0.01	1.00	1.01	0.00	0.92	0.92	1,839.12
Trenching Off Road Diesel	2.33	20.12	8.46	0.00	0.00	1.00	1.00	0.00	0.92	0.92	1,714.64
Trenching Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.49
Time Slice 8/18/2008-8/29/2008 Active Days: 10	3.47	19.36	12.39	0.00	0.02	<u>1.61</u>	1.62	0.01	<u>1.48</u>	1.48	1,689.89
Asphalt 08/18/2008-08/29/2008	3.47	19.36	12.39	0.00	0.02	1.61	1.62	0.01	1.48	1.48	1,689.89
Paving Off-Gas	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.99	17.76	9.40	0.00	0.00	1.54	1.54	0.00	1.41	1.41	1,272.04
Paving On Road Diesel	0.11	1.45	0.57	0.00	0.01	0.06	0.07	0.00	0.06	0.06	168.88

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Paving Worker Trips	0.08	0.15	2.43	0.00	0.01	0.01	0.02	0.00	0.01	0.01	0.01	248.97
Time Slice 9/1/2008-12/31/2008 Active Days: 88	<u>4.43</u>	19.90	<u>20.31</u>	<u>0.01</u>	0.04	1.40	1.45	0.02	1.29	1.31	1.31	<u>2,592.71</u>
Building 09/01/2008-04/24/2009	4.43	19.90	20.31	0.01	0.04	1.40	1.45	0.02	1.29	1.31	1.31	2,592.71
Building Off Road Diesel	4.07	18.22	11.80	0.00	0.00	1.33	1.33	0.00	1.22	1.22	1.22	1,621.20
Building Vendor Trips	0.11	1.22	0.99	0.00	0.01	0.05	0.06	0.00	0.05	0.05	0.05	198.71
Building Worker Trips	0.25	0.46	7.53	0.01	0.04	0.02	0.06	0.01	0.02	0.03	0.03	772.81
Time Slice 1/1/2009-4/24/2009 Active Days: 82	4.19	<u>18.91</u>	<u>19.42</u>	<u>0.01</u>	<u>0.04</u>	<u>1.34</u>	<u>1.39</u>	<u>0.02</u>	<u>1.24</u>	<u>1.25</u>	<u>1.25</u>	<u>2,592.38</u>
Building 09/01/2008-04/24/2009	4.19	18.91	19.42	0.01	0.04	1.34	1.39	0.02	1.24	1.25	1.25	2,592.38
Building Off Road Diesel	3.87	17.35	11.50	0.00	0.00	1.28	1.28	0.00	1.17	1.17	1.17	1,621.20
Building Vendor Trips	0.10	1.15	0.92	0.00	0.01	0.05	0.06	0.00	0.04	0.05	0.05	198.72
Building Worker Trips	0.22	0.42	7.00	0.01	0.04	0.02	0.06	0.01	0.02	0.03	0.03	772.47
Time Slice 4/27/2009-5/22/2009 Active Days: 20	<u>103.94</u>	0.08	1.37	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.01	150.87
Coating 04/27/2009-05/22/2009	103.94	0.08	1.37	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.01	150.87
Architectural Coating	103.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.04	0.08	1.37	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.01	150.87

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 6/23/2008 - 8/1/2008 - Default Fine Site Grading/Excavation Description  
For Soil Stabilizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

The following mitigation measures apply to Phase: Mass Grading 3/24/2008 - 6/20/2008 - Default Mass Site Grading/Excavation Description  
For Soil Stabilizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%



Fine Grading Worker Trips	0.05	0.09	1.52	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.01	155.61
Time Slice 8/4/2008-8/15/2008 Active Days: 10	2.37	20.19	9.68	0.00	0.01	1.00	1.01	1.00	0.92	0.00	0.92	0.92	0.00	0.92	1,839.12
Trenching 08/04/2008-08/15/2008	2.37	20.19	9.68	0.00	0.01	1.00	1.01	1.00	0.92	0.00	0.92	0.92	0.00	0.92	1,839.12
Trenching Off Road Diesel	2.33	20.12	8.46	0.00	0.00	1.00	1.00	1.00	0.92	0.00	0.92	0.92	0.00	0.92	1,714.64
Trenching Worker Trips	0.04	0.07	1.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124.49
Time Slice 8/18/2008-8/29/2008 Active Days: 10	6.16	28.54	15.59	0.02	0.06	1.93	1.99	1.93	1.77	0.02	1.77	1.79	0.02	1.79	2,777.57
Asphalt 08/18/2008-08/29/2008	6.16	28.54	15.59	0.02	0.06	1.93	1.99	1.93	1.77	0.02	1.77	1.79	0.02	1.79	2,777.57
Paving Off-Gas	2.41	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
Paving Off Road Diesel	2.78	16.39	8.47	0.00	0.00	1.40	1.40	1.40	1.29	0.00	1.29	1.29	0.00	1.29	1,131.92
Paving On Road Diesel	0.90	12.00	4.69	0.01	0.05	0.52	0.57	0.52	0.48	0.02	0.48	0.50	0.02	0.50	1,396.69
Paving Worker Trips	0.08	0.15	2.43	0.00	0.01	0.01	0.02	0.01	0.01	0.00	0.01	0.01	0.00	0.01	248.97

Phase Assumptions

Phase: Fine Grading 6/23/2008 - 8/1/2008 - Default Fine Site Grading/Excavation Description

Total Acres Disturbed: 36.73

Maximum Daily Acreage Disturbed: 9.18

Fugitive Dust Level of Detail: Default

10 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: Mass Grading 3/24/2008 - 6/20/2008 - Default Mass Site Grading/Excavation Description

Total Acres Disturbed: 36.73

Maximum Daily Acreage Disturbed: 9.18

Fugitive Dust Level of Detail: Default

10 lbs per acre-day

On Road Truck Travel (VMT): 0