

# **APPENDIX B**

## Air Quality Modeling—Technical Details

Urbemis 2007 Version 9.2.4

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

File Name: C:\Documents and Settings\weirichj\Desktop\Solano GP 06264476.05\solano expected.urb924

Project Name: YQASMD Solano GP Update Worst-Case Construction

Project Location: Yolo-Solano AQMD

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>
------------	------------	-----------	------------	------------------	---------------------	-------------------	-------------------	----------------------	--------------------	------------

3/21/2008 3:20:24 PM

2010	91.89	133.38	234.27	0.30	29.72	6.21	35.93	6.39	5.65	12.04	32,621.39
Mass Grading 01/01/2010-01/31/2010	0.15	1.34	0.67	0.00	28.42	0.06	28.47	5.93	0.05	5.99	126.24
Mass Grading Dust	0.00	0.00	0.00	0.00	28.42	0.00	28.42	5.93	0.00	5.93	0.00
Mass Grading Off Road Diesel	0.15	1.34	0.63	0.00	0.00	0.06	0.06	0.00	0.05	0.05	123.02
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	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.22
Asphalt 02/01/2010-12/31/2010	0.62	2.93	1.68	0.00	0.00	0.23	0.23	0.00	0.21	0.21	265.80
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	0.38	2.30	1.26	0.00	0.00	0.20	0.20	0.00	0.19	0.19	170.26
Paving On Road Diesel	0.05	0.62	0.26	0.00	0.00	0.03	0.03	0.00	0.03	0.03	80.20
Paving Worker Trips	0.01	0.01	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.34
Building 02/01/2010-12/31/2010	14.81	124.76	228.00	0.30	1.29	5.71	7.00	0.45	5.18	5.63	31,642.55
Building Off Road Diesel	0.49	2.80	1.72	0.00	0.00	0.20	0.20	0.00	0.18	0.18	271.11
Building Vendor Trips	10.17	114.72	90.77	0.18	0.70	5.10	5.80	0.24	4.67	4.91	19,216.30
Building Worker Trips	4.16	7.24	135.51	0.12	0.59	0.41	1.00	0.21	0.33	0.54	12,155.14
Coating 02/01/2010-12/31/2010	75.81	0.09	1.68	0.00	0.01	0.01	0.01	0.00	0.00	0.01	150.73
Architectural Coating	75.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.05	0.09	1.68	0.00	0.01	0.01	0.01	0.00	0.00	0.01	150.73
Trenching 02/01/2010-12/31/2010	0.50	4.26	2.25	0.00	0.00	0.21	0.21	0.00	0.19	0.19	436.06
Trenching Off Road Diesel	0.49	4.25	1.97	0.00	0.00	0.21	0.21	0.00	0.19	0.19	411.51
Trenching Worker Trips	0.01	0.01	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.55

Phase Assumptions

Phase: Mass Grading 1/1/2010 - 1/31/2010 - Default Fine Site Grading Description

Total Acres Disturbed: 541.25

Maximum Daily Acreage Disturbed: 135.31

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

**3/21/2008 3:20:24 PM**

Off-Road Equipment:

- 2 Graders (174 hp) operating at a 0.61 load factor for 8 hours per day
- 1 Plate Compactors (8 hp) operating at a 0.43 load factor for 8 hours per day
- 2 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 8 hours per day
- 4 Scrapers (313 hp) operating at a 0.72 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
- 2 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Trenching 2/1/2010 - 12/31/2010 - Type Your Description Here

Off-Road Equipment:

- 4 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 2 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 0 hours per day

Phase: Paving 2/1/2010 - 12/31/2010 - Type Your Description Here

Acres to be Paved: 135.31

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 8 hours per day
- 2 Rollers (95 hp) operating at a 0.56 load factor for 6 hours per day

Phase: Building Construction 2/1/2010 - 12/31/2010 - Type Your Description Here

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
- 1 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Architectural Coating 2/1/2010 - 12/31/2010 - Type Your Description Here

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 100

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 150

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 150

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 150

Urbemis 2007 Version 9.2.4

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

File Name: C:\Documents and Settings\weirichj\Desktop\Solano GP 06264476.05\solano expected.urb924

Project Name: YQASMD Solano GP Update Worst-Case Construction

Project Location: Yolo-Solano AQMD

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 1/1/2010-1/29/2010 Active Days: 21	14.48	127.91	63.41	0.00	<b>2,706.21</b>	5.65	<b>2,711.87</b>	<b>565.17</b>	5.20	<b>570.37</b>	12,023.31
Mass Grading 01/01/2010-01/31/2010	14.48	127.91	63.41	0.00	2,706.21	5.65	2,711.87	565.17	5.20	570.37	12,023.31
Mass Grading Dust	0.00	0.00	0.00	0.00	2,706.20	0.00	2,706.20	565.16	0.00	565.16	0.00
Mass Grading Off Road Diesel	14.37	127.73	59.99	0.00	0.00	5.64	5.64	0.00	5.19	5.19	11,716.43
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	0.10	0.18	3.42	0.00	0.01	0.01	0.03	0.01	0.01	0.01	306.88

3/21/2008 3:20:11 PM

Time Slice 2/1/2010-12/31/2010	<b>764.49</b>	<b>1,100.32</b>	<b>1,946.73</b>	<b>2.49</b>	10.86	<b>51.28</b>	62.14	3.78	<b>46.61</b>	50.40	<b>270,792.90</b>
Active Days: 240											
Asphalt 02/01/2010-12/31/2010	5.13	24.42	14.03	0.01	0.03	1.91	1.94	0.01	1.76	1.77	2,214.99
Paving Off-Gas	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	3.20	19.17	10.47	0.00	0.00	1.68	1.68	0.00	1.55	1.55	1,418.81
Paving On Road Diesel	0.41	5.18	2.13	0.01	0.02	0.23	0.25	0.01	0.21	0.22	668.31
Paving Worker Trips	0.04	0.08	1.43	0.00	0.01	0.00	0.01	0.00	0.00	0.01	127.87
Building 02/01/2010-12/31/2010	123.42	1,039.65	1,899.99	2.47	10.76	47.57	58.32	3.75	43.20	46.95	263,687.93
Building Off Road Diesel	4.08	23.31	14.31	0.00	0.00	1.67	1.67	0.00	1.54	1.54	2,259.28
Building Vendor Trips	84.71	956.01	756.41	1.49	5.81	42.50	48.32	1.96	38.94	40.90	160,135.80
Building Worker Trips	34.64	60.33	1,129.27	0.99	4.95	3.39	8.34	1.78	2.73	4.52	101,292.85
Coating 02/01/2010-12/31/2010	631.74	0.75	14.00	0.01	0.06	0.04	0.10	0.02	0.03	0.06	1,256.11
Architectural Coating	631.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.43	0.75	14.00	0.01	0.06	0.04	0.10	0.02	0.03	0.06	1,256.11
Trenching 02/01/2010-12/31/2010	4.19	35.50	18.71	0.00	0.01	1.76	1.77	0.00	1.62	1.62	3,633.86
Trenching Off Road Diesel	4.12	35.38	16.43	0.00	0.00	1.75	1.75	0.00	1.61	1.61	3,429.28
Trenching Worker Trips	0.07	0.12	2.28	0.00	0.01	0.01	0.02	0.00	0.01	0.01	204.58

Phase Assumptions

Phase: Mass Grading 1/1/2010 - 1/31/2010 - Default Fine Site Grading Description

Total Acres Disturbed: 541.25

Maximum Daily Acreage Disturbed: 135.31

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

2 Graders (174 hp) operating at a 0.61 load factor for 8 hours per day

1 Plate Compactors (8 hp) operating at a 0.43 load factor for 8 hours per day

2 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 8 hours per day

4 Scrapers (313 hp) operating at a 0.72 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

**3/21/2008 3:20:11 PM**

2 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Trenching 2/1/2010 - 12/31/2010 - Type Your Description Here

Off-Road Equipment:

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

2 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 0 hours per day

Phase: Paving 2/1/2010 - 12/31/2010 - Type Your Description Here

Acres to be Paved: 135.31

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 8 hours per day

2 Rollers (95 hp) operating at a 0.56 load factor for 6 hours per day

Phase: Building Construction 2/1/2010 - 12/31/2010 - Type Your Description Here

Off-Road Equipment:

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

3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day

1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day

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

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

Phase: Architectural Coating 2/1/2010 - 12/31/2010 - Type Your Description Here

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 100

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 150

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 150

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 150

Urbemis 2007 Version 9.2.4

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Documents and Settings\weirichj\Desktop\Solano GP 06264476.05\ysaqmd solano gp operational.urb924

Project Name: YSAQMD Solano GP Operational

Project Location: Solano County in Yolo-Solano AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	156.23	42.39	390.67	1.08	54.03	52.01	53,556.46

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	356.59	506.82	4,156.76	2.66	488.34	97.64	267,526.14

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	512.82	549.21	4,547.43	3.74	542.37	149.65	321,082.60

Urbemis 2007 Version 9.2.4

Summary Report for Summer Emissions (Pounds/Day)

File Name: C:\Documents and Settings\weirichj\Desktop\Solano GP 06264476.05\ysaqmd solano gp operational.urb924

Project Name: YSAQMD Solano GP Operational

Project Location: Solano County in Yolo-Solano AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	696.44	198.84	556.04	0.02	1.54	1.53	243,464.50

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,936.38	2,452.86	22,414.36	15.44	2,723.67	544.62	1,558,512.08

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	2,632.82	2,651.70	22,970.40	15.46	2,725.21	546.15	1,801,976.58

Urbemis 2007 Version 9.2.4

Summary Report for Summer Emissions (Pounds/Day)

File Name: C:\Documents and Settings\weirichj\Desktop\Solano GP 06264476.05\baaqmd solano gp operational.urb924

Project Name: BAAQMD Solano GP operational

Project Location: Bay Area Air District

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	812.39	198.85	556.04	0.02	1.54	1.53	243,471.46

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	1,599.61	1,722.83	17,734.21	14.84	2,642.92	505.26	1,491,887.42

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	2,412.00	1,921.68	18,290.25	14.86	2,644.46	506.79	1,735,358.88

Urbemis 2007 Version 9.2.4

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

File Name:

Project Name: BAAQMD Solano Co GP construction worst case

Project Location: Bay Area Air District

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 1/1/2010-1/11/2010 Active Days: 7	14.49	127.92	63.46	0.00	<b>2,706.21</b>	5.65	<b>2,711.86</b>	<b>565.17</b>	5.20	<b>570.36</b>	12,022.17
Mass Grading 01/01/2010-01/11/2010	14.49	127.92	63.46	0.00	2,706.21	5.65	2,711.86	565.17	5.20	570.36	12,022.17
Mass Grading Dust	0.00	0.00	0.00	0.00	2,706.20	0.00	2,706.20	565.16	0.00	565.16	0.00
Mass Grading Off Road Diesel	14.37	127.73	59.99	0.00	0.00	5.64	5.64	0.00	5.19	5.19	11,716.43
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	0.11	0.20	3.48	0.00	0.01	0.01	0.02	0.01	0.01	0.01	305.74

3/21/2008 3:19:12 PM

Time Slice 2/1/2010-12/31/2010	<u>1,165.13</u>	<u>1,017.82</u>	<u>1,791.47</u>	<u>2.51</u>	10.90	<u>40.02</u>	50.92	3.80	<u>36.44</u>	40.24	<u>271,503.97</u>
Active Days: 240											
Asphalt 02/01/2010-12/31/2010	5.02	23.97	13.43	0.01	0.03	1.86	1.89	0.01	1.71	1.72	2,219.09
Paving Off-Gas	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	3.20	19.17	10.47	0.00	0.00	1.68	1.68	0.00	1.55	1.55	1,418.81
Paving On Road Diesel	0.29	4.73	1.50	0.01	0.02	0.17	0.20	0.01	0.16	0.17	672.89
Paving Worker Trips	0.05	0.08	1.45	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.39
Building 02/01/2010-12/31/2010	103.26	957.54	1,745.07	2.48	10.80	36.38	47.17	3.76	33.09	36.86	264,400.34
Building Off Road Diesel	4.08	23.31	14.31	0.00	0.00	1.67	1.67	0.00	1.54	1.54	2,259.28
Building Vendor Trips	61.55	869.73	583.52	1.50	5.85	32.16	38.02	1.98	29.48	31.46	161,225.30
Building Worker Trips	37.63	64.50	1,147.24	0.99	4.95	2.54	7.49	1.78	2.08	3.86	100,915.75
Coating 02/01/2010-12/31/2010	1,052.66	0.80	14.23	0.01	0.06	0.03	0.09	0.02	0.03	0.05	1,251.44
Architectural Coating	1,052.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.47	0.80	14.23	0.01	0.06	0.03	0.09	0.02	0.03	0.05	1,251.44
Trenching 02/01/2010-12/31/2010	4.19	35.51	18.75	0.00	0.01	1.76	1.77	0.00	1.62	1.62	3,633.10
Trenching Off Road Diesel	4.12	35.38	16.43	0.00	0.00	1.75	1.75	0.00	1.61	1.61	3,429.28
Trenching Worker Trips	0.08	0.13	2.32	0.00	0.01	0.01	0.02	0.00	0.00	0.01	203.82

Phase Assumptions

Phase: Mass Grading 1/1/2010 - 1/11/2010 - Default Mass Site Grading Description

Total Acres Disturbed: 541.25

Maximum Daily Acreage Disturbed: 135.31

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

2 Graders (174 hp) operating at a 0.61 load factor for 8 hours per day

1 Plate Compactors (8 hp) operating at a 0.43 load factor for 8 hours per day

2 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 8 hours per day

4 Scrapers (313 hp) operating at a 0.72 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

**3/21/2008 3:19:12 PM**

2 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Trenching 2/1/2010 - 12/31/2010 - Type Your Description Here

Off-Road Equipment:

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

2 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 0 hours per day

Phase: Paving 2/1/2010 - 12/31/2010 - Default Paving Description

Acres to be Paved: 135.31

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 8 hours per day

2 Rollers (95 hp) operating at a 0.56 load factor for 6 hours per day

Phase: Building Construction 2/1/2010 - 12/31/2010 - Default Building Construction Description

Off-Road Equipment:

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

3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day

1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day

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

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

Phase: Architectural Coating 2/1/2010 - 12/31/2010 - 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