

APPENDIX D

URBEMIS 9.2.4 AIR QUALITY MODELING OUTPUT FILES

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Documents and Settings\equinn\Application Data\Urbemis\Version9a\Projects\Vanden Meadows\Revised Vanden Meadows.urb924

Project Name: Vanden Meadows

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

	<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>
2013 TOTALS (tons/year unmitigated)	6.79	11.22	15.85	0.01	103.18	0.58	103.76	21.56	0.53	22.08	2,461.94
2013 TOTALS (tons/year mitigated)	2.73	9.78	15.85	0.01	16.89	0.14	17.03	3.54	0.13	3.67	2,461.94
Percent Reduction	59.75	12.82	0.00	0.00	83.64	74.84	83.59	83.60	75.29	83.40	0.00
2014 TOTALS (tons/year unmitigated)	14.89	7.10	18.42	0.02	0.10	0.43	0.53	0.04	0.39	0.42	2,745.53
2014 TOTALS (tons/year mitigated)	8.85	6.39	18.42	0.02	0.10	0.15	0.25	0.04	0.14	0.17	2,745.53
Percent Reduction	40.56	9.93	0.00	0.00	0.00	64.04	51.86	0.00	64.89	59.41	0.00
2015 TOTALS (tons/year unmitigated)	6.33	8.59	12.74	0.01	91.65	0.45	92.10	19.15	0.41	19.56	2,243.30
2015 TOTALS (tons/year mitigated)	1.91	7.49	12.74	0.01	15.00	0.12	15.12	3.14	0.10	3.24	2,243.30
Percent Reduction	69.87	12.80	0.00	0.00	83.63	74.02	83.59	83.60	74.56	83.41	0.00
2016 TOTALS (tons/year unmitigated)	13.84	5.26	15.65	0.02	0.10	0.30	0.40	0.04	0.27	0.31	2,662.63

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2016 TOTALS (tons/year mitigated)	7.74	4.75	15.65	0.02	0.10	0.12	0.22	0.04	0.11	0.14	2,662.63
Percent Reduction	44.03	9.73	0.00	0.00	0.00	59.45	44.68	0.00	60.57	53.57	0.00
2017 TOTALS (tons/year unmitigated)	8.65	7.34	10.61	0.01	91.00	0.38	91.38	19.01	0.35	19.36	2,112.10
2017 TOTALS (tons/year mitigated)	3.49	6.38	10.61	0.01	14.89	0.10	14.99	3.12	0.09	3.20	2,112.10
Percent Reduction	59.61	13.05	0.00	0.00	83.64	74.48	83.60	83.61	75.02	83.45	0.00
2018 TOTALS (tons/year unmitigated)	10.67	4.96	14.16	0.02	15.47	0.27	15.74	3.25	0.24	3.49	2,768.85
2018 TOTALS (tons/year mitigated)	4.81	4.44	14.16	0.02	2.61	0.11	2.72	0.56	0.10	0.65	2,768.85
Percent Reduction	54.94	10.48	0.00	0.00	83.15	59.04	82.74	82.78	60.26	81.23	0.00
2019 TOTALS (tons/year unmitigated)	13.18	4.59	13.05	0.02	0.10	0.27	0.36	0.03	0.24	0.27	2,679.62
2019 TOTALS (tons/year mitigated)	7.07	4.11	13.05	0.02	0.10	0.11	0.20	0.03	0.09	0.13	2,679.62
Percent Reduction	46.36	10.48	0.00	0.00	0.00	60.12	44.11	0.00	61.31	53.62	0.00

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)	11.34	3.43	4.58	0.00	0.02	0.02	4,314.41
TOTALS (tons/year, mitigated)	11.34	3.43	4.58	0.00	0.02	0.02	4,314.41
Percent Reduction	0.00	0.00	0.00	NaN	0.00	0.00	0.00

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)	10.18	9.93	98.09	0.16	29.08	5.51	15,666.99
TOTALS (tons/year, mitigated)	9.54	9.10	89.78	0.14	26.61	5.05	14,341.08
Percent Reduction	6.29	8.36	8.47	12.50	8.49	8.35	8.46

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)	21.52	13.36	102.67	0.16	29.10	5.53	19,981.40
TOTALS (tons/year, mitigated)	20.88	12.53	94.36	0.14	26.63	5.07	18,655.49
Percent Reduction	2.97	6.21	8.09	12.50	8.49	8.32	6.64

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\equinn\Application Data\Urbemis\Version9a\Projects\Vanden Meadows\Revised Vanden Meadows.urb924

Project Name: Vanden Meadows

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

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>
2013 TOTALS (lbs/day unmitigated)	113.71	157.48	188.91	0.16	2,562.02	7.28	2,569.30	535.06	6.69	541.75	29,368.51
2013 TOTALS (lbs/day mitigated)	31.78	133.89	188.91	0.16	417.95	1.73	419.05	87.29	1.55	88.30	29,368.51
2014 TOTALS (lbs/day unmitigated)	116.91	67.20	149.54	0.17	0.79	4.28	5.06	0.28	3.89	4.17	22,535.17
2014 TOTALS (lbs/day mitigated)	70.64	60.15	149.54	0.17	0.79	1.38	2.17	0.28	1.23	1.51	22,535.17
2015 TOTALS (lbs/day unmitigated)	115.94	134.11	166.16	0.17	2,562.02	6.06	2,568.08	535.06	5.57	540.63	29,380.61
2015 TOTALS (lbs/day mitigated)	26.30	114.02	166.16	0.17	417.95	1.47	418.87	87.29	1.31	88.13	29,380.61
2016 TOTALS (lbs/day unmitigated)	106.03	40.34	119.94	0.16	0.76	2.30	3.06	0.27	2.07	2.34	20,403.28
2016 TOTALS (lbs/day mitigated)	59.34	36.42	119.94	0.16	0.76	0.93	1.69	0.27	0.82	1.09	20,403.28
2017 TOTALS (lbs/day unmitigated)	108.90	112.76	123.67	0.17	2,562.02	4.95	2,566.97	535.06	4.55	539.61	22,536.53

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2017 TOTALS (lbs/day mitigated)	40.62	95.87	123.67	0.17	417.95	1.09	418.70	87.29	0.96	87.98	22,536.53
2018 TOTALS (lbs/day unmitigated)	100.14	84.73	139.78	0.16	1,281.77	4.04	1,285.80	267.80	3.68	271.47	29,389.89
2018 TOTALS (lbs/day mitigated)	43.79	73.75	139.78	0.16	209.73	1.14	210.87	43.91	1.01	44.92	29,389.89
2019 TOTALS (lbs/day unmitigated)	102.87	42.99	110.05	0.17	0.79	2.57	3.36	0.28	2.33	2.61	22,535.66
2019 TOTALS (lbs/day mitigated)	56.06	38.31	110.05	0.17	0.79	0.94	1.72	0.28	0.82	1.10	22,535.66

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)	65.00	18.97	42.13	0.00	0.13	0.13	23,668.51
TOTALS (lbs/day, mitigated)	65.00	18.97	42.13	0.00	0.13	0.13	23,668.51
Percent Reduction	0.00	0.00	0.00	NaN	0.00	0.00	0.00

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)	60.07	46.73	532.76	0.90	159.34	30.19	90,012.61
TOTALS (lbs/day, mitigated)	56.76	42.78	487.66	0.81	145.86	27.63	82,394.86
Percent Reduction	5.51	8.45	8.47	10.00	8.46	8.48	8.46

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)	125.07	65.70	574.89	0.90	159.47	30.32	113,681.12
TOTALS (lbs/day, mitigated)	121.76	61.75	529.79	0.81	145.99	27.76	106,063.37
Percent Reduction	2.65	6.01	7.84	10.00	8.45	8.44	6.70

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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>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2013-2/1/2013 Active Days: 24	14.45	117.55	66.62	0.00	1,281.02	5.44	1,286.46	267.53	5.00	272.54	13,358.17
Demolition 01/01/2013-02/01/2013	4.85	38.81	24.27	0.00	0.01	1.80	1.81	0.00	1.66	1.66	4,260.07
Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Off Road Diesel	4.82	38.74	23.13	0.00	0.00	1.80	1.80	0.00	1.65	1.65	4,132.45
Demo 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
Demo Worker Trips	0.04	0.06	1.14	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.62
Mass Grading 01/01/2013-04/15/2013	9.60	78.74	42.35	0.00	1,281.01	3.64	1,284.65	267.53	3.35	270.88	9,098.10
Mass Grading Dust	0.00	0.00	0.00	0.00	1,281.00	0.00	1,281.00	267.52	0.00	267.52	0.00
Mass Grading Off Road Diesel	9.53	78.62	40.07	0.00	0.00	3.63	3.63	0.00	3.34	3.34	8,842.87
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	0.07	0.12	2.27	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.23
Time Slice 2/4/2013-2/28/2013 Active Days: 19	9.60	78.74	42.35	0.00	1,281.01	3.64	1,284.65	267.53	3.35	270.88	9,098.10
Mass Grading 01/01/2013-04/15/2013	9.60	78.74	42.35	0.00	1,281.01	3.64	1,284.65	267.53	3.35	270.88	9,098.10
Mass Grading Dust	0.00	0.00	0.00	0.00	1,281.00	0.00	1,281.00	267.52	0.00	267.52	0.00
Mass Grading Off Road Diesel	9.53	78.62	40.07	0.00	0.00	3.63	3.63	0.00	3.34	3.34	8,842.87
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	0.07	0.12	2.27	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.23

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Time Slice 3/1/2013-4/15/2013 Active Days: 32	19.21	<u>157.48</u>	84.70	0.00	<u>2,562.02</u>	<u>7.28</u>	<u>2,569.30</u>	<u>535.06</u>	<u>6.69</u>	<u>541.75</u>	18,196.19
Fine Grading 03/01/2013- 06/30/2013	9.60	78.74	42.35	0.00	1,281.01	3.64	1,284.65	267.53	3.35	270.88	9,098.10
Fine Grading Dust	0.00	0.00	0.00	0.00	1,281.00	0.00	1,281.00	267.52	0.00	267.52	0.00
Fine Grading Off Road Diesel	9.53	78.62	40.07	0.00	0.00	3.63	3.63	0.00	3.34	3.34	8,842.87
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	0.07	0.12	2.27	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.23
Mass Grading 01/01/2013- 04/15/2013	9.60	78.74	42.35	0.00	1,281.01	3.64	1,284.65	267.53	3.35	270.88	9,098.10
Mass Grading Dust	0.00	0.00	0.00	0.00	1,281.00	0.00	1,281.00	267.52	0.00	267.52	0.00
Mass Grading Off Road Diesel	9.53	78.62	40.07	0.00	0.00	3.63	3.63	0.00	3.34	3.34	8,842.87
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	0.07	0.12	2.27	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.23
Time Slice 4/16/2013-5/14/2013 Active Days: 21	9.60	78.74	42.35	0.00	1,281.01	3.64	1,284.65	267.53	3.35	270.88	9,098.10
Fine Grading 03/01/2013- 06/30/2013	9.60	78.74	42.35	0.00	1,281.01	3.64	1,284.65	267.53	3.35	270.88	9,098.10
Fine Grading Dust	0.00	0.00	0.00	0.00	1,281.00	0.00	1,281.00	267.52	0.00	267.52	0.00
Fine Grading Off Road Diesel	9.53	78.62	40.07	0.00	0.00	3.63	3.63	0.00	3.34	3.34	8,842.87
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	0.07	0.12	2.27	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.23

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Time Slice 5/15/2013-6/28/2013 Active Days: 33	19.55	132.23	<u>188.91</u>	<u>0.16</u>	1,281.77	6.80	1,288.57	267.80	6.22	274.02	<u>29,368.51</u>
Building 05/15/2013-03/01/2015	9.94	53.49	146.56	0.16	0.75	3.16	3.92	0.27	2.87	3.14	20,270.41
Building Off Road Diesel	5.34	33.86	22.50	0.00	0.00	2.34	2.34	0.00	2.15	2.15	3,954.94
Building Vendor Trips	1.09	13.57	11.73	0.03	0.14	0.51	0.64	0.05	0.46	0.51	3,707.42
Building Worker Trips	3.50	6.06	112.33	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,608.05
Fine Grading 03/01/2013-06/30/2013	9.60	78.74	42.35	0.00	1,281.01	3.64	1,284.65	267.53	3.35	270.88	9,098.10
Fine Grading Dust	0.00	0.00	0.00	0.00	1,281.00	0.00	1,281.00	267.52	0.00	267.52	0.00
Fine Grading Off Road Diesel	9.53	78.62	40.07	0.00	0.00	3.63	3.63	0.00	3.34	3.34	8,842.87
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	0.07	0.12	2.27	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.23
Time Slice 7/1/2013-8/14/2013 Active Days: 33	9.94	53.49	146.56	0.16	0.75	3.16	3.92	0.27	2.87	3.14	20,270.41
Building 05/15/2013-03/01/2015	9.94	53.49	146.56	0.16	0.75	3.16	3.92	0.27	2.87	3.14	20,270.41
Building Off Road Diesel	5.34	33.86	22.50	0.00	0.00	2.34	2.34	0.00	2.15	2.15	3,954.94
Building Vendor Trips	1.09	13.57	11.73	0.03	0.14	0.51	0.64	0.05	0.46	0.51	3,707.42
Building Worker Trips	3.50	6.06	112.33	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,608.05
Time Slice 8/15/2013-12/31/2013 Active Days: 99	<u>113.71</u>	53.55	147.66	0.16	0.76	3.17	3.93	0.27	2.88	3.15	20,394.00
Building 05/15/2013-03/01/2015	9.94	53.49	146.56	0.16	0.75	3.16	3.92	0.27	2.87	3.14	20,270.41
Building Off Road Diesel	5.34	33.86	22.50	0.00	0.00	2.34	2.34	0.00	2.15	2.15	3,954.94
Building Vendor Trips	1.09	13.57	11.73	0.03	0.14	0.51	0.64	0.05	0.46	0.51	3,707.42
Building Worker Trips	3.50	6.06	112.33	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,608.05
Coating 08/15/2013-03/31/2015	103.76	0.06	1.10	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.59
Architectural Coating	103.73	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	0.06	1.10	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.59

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Time Slice 1/1/2014-9/12/2014	112.86	48.95	137.54	0.16	0.76	2.84	3.60	0.27	2.57	2.84	20,400.64
Active Days: 183											
Building 05/15/2013-03/01/2015	9.10	48.90	136.53	0.16	0.75	2.83	3.59	0.27	2.57	2.84	20,276.99
Building Off Road Diesel	4.92	31.34	22.14	0.00	0.00	2.06	2.06	0.00	1.89	1.89	3,954.94
Building Vendor Trips	1.01	12.04	10.94	0.03	0.14	0.45	0.59	0.05	0.41	0.46	3,707.68
Building Worker Trips	3.17	5.52	103.45	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,614.37
Coating 08/15/2013-03/31/2015	103.76	0.05	1.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.65
Architectural Coating	103.73	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	1.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.65
Time Slice 9/15/2014-12/31/2014	<u>116.91</u>	<u>67.20</u>	<u>149.54</u>	<u>0.17</u>	<u>0.79</u>	<u>4.28</u>	<u>5.06</u>	<u>0.28</u>	<u>3.89</u>	<u>4.17</u>	<u>22,535.17</u>
Active Days: 78											
Asphalt 09/15/2014-03/15/2015	4.05	18.24	12.00	0.01	0.03	1.44	1.47	0.01	1.32	1.33	2,134.53
Paving Off-Gas	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.54	15.61	10.07	0.00	0.00	1.34	1.34	0.00	1.24	1.24	1,418.81
Paving On Road Diesel	0.18	2.58	0.88	0.01	0.02	0.09	0.11	0.01	0.08	0.09	588.03
Paving Worker Trips	0.03	0.06	1.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.68
Building 05/15/2013-03/01/2015	9.10	48.90	136.53	0.16	0.75	2.83	3.59	0.27	2.57	2.84	20,276.99
Building Off Road Diesel	4.92	31.34	22.14	0.00	0.00	2.06	2.06	0.00	1.89	1.89	3,954.94
Building Vendor Trips	1.01	12.04	10.94	0.03	0.14	0.45	0.59	0.05	0.41	0.46	3,707.68
Building Worker Trips	3.17	5.52	103.45	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,614.37
Coating 08/15/2013-03/31/2015	103.76	0.05	1.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.65
Architectural Coating	103.73	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	1.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.65

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Time Slice 1/1/2015-2/27/2015 Active Days: 42	115.94	61.41	139.98	0.17	0.79	3.92	4.70	0.28	3.57	3.85	22,540.56
Asphalt 09/15/2014-03/15/2015	3.87	16.99	11.74	0.01	0.03	1.33	1.36	0.01	1.22	1.23	2,134.58
Paving Off-Gas	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.38	14.65	9.98	0.00	0.00	1.25	1.25	0.00	1.15	1.15	1,418.81
Paving On Road Diesel	0.17	2.29	0.80	0.01	0.02	0.08	0.10	0.01	0.07	0.08	588.03
Paving Worker Trips	0.03	0.05	0.96	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.73
Building 05/15/2013-03/01/2015	8.31	44.37	127.30	0.16	0.75	2.59	3.34	0.27	2.34	2.61	20,282.29
Building Off Road Diesel	4.52	28.64	21.80	0.00	0.00	1.86	1.86	0.00	1.71	1.71	3,954.94
Building Vendor Trips	0.93	10.71	10.22	0.03	0.14	0.41	0.54	0.05	0.37	0.42	3,707.97
Building Worker Trips	2.86	5.02	95.28	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,619.37
Coating 08/15/2013-03/31/2015	103.76	0.05	0.93	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.70
Architectural Coating	103.73	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	0.93	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.70
Time Slice 3/2/2015-3/13/2015 Active Days: 10	107.63	17.04	12.68	0.01	0.03	1.33	1.37	0.01	1.22	1.24	2,258.28
Asphalt 09/15/2014-03/15/2015	3.87	16.99	11.74	0.01	0.03	1.33	1.36	0.01	1.22	1.23	2,134.58
Paving Off-Gas	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.38	14.65	9.98	0.00	0.00	1.25	1.25	0.00	1.15	1.15	1,418.81
Paving On Road Diesel	0.17	2.29	0.80	0.01	0.02	0.08	0.10	0.01	0.07	0.08	588.03
Paving Worker Trips	0.03	0.05	0.96	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.73
Coating 08/15/2013-03/31/2015	103.76	0.05	0.93	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.70
Architectural Coating	103.73	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	0.93	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.70

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Time Slice 7/16/2015-7/31/2015 Active Days: 12	8.52	67.05	38.86	0.00	1,281.01	3.03	1,284.04	267.53	2.79	270.32	9,098.33
Fine Grading 06/01/2015- 09/01/2015	8.52	67.05	38.86	0.00	1,281.01	3.03	1,284.04	267.53	2.79	270.32	9,098.33
Fine Grading Dust	0.00	0.00	0.00	0.00	1,281.00	0.00	1,281.00	267.52	0.00	267.52	0.00
Fine Grading Off Road Diesel	8.46	66.95	36.93	0.00	0.00	3.02	3.02	0.00	2.78	2.78	8,842.87
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	0.06	0.10	1.93	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.46
Time Slice 8/3/2015-9/1/2015 Active Days: 22	16.83	111.43	<u>166.16</u>	0.16	1,281.77	5.62	1,287.38	267.80	5.13	272.92	<u>29,380.61</u>
Building 08/01/2015-07/01/2017	8.31	44.37	127.30	0.16	0.75	2.59	3.34	0.27	2.34	2.61	20,282.29
Building Off Road Diesel	4.52	28.64	21.80	0.00	0.00	1.86	1.86	0.00	1.71	1.71	3,954.94
Building Vendor Trips	0.93	10.71	10.22	0.03	0.14	0.41	0.54	0.05	0.37	0.42	3,707.97
Building Worker Trips	2.86	5.02	95.28	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,619.37
Fine Grading 06/01/2015- 09/01/2015	8.52	67.05	38.86	0.00	1,281.01	3.03	1,284.04	267.53	2.79	270.32	9,098.33
Fine Grading Dust	0.00	0.00	0.00	0.00	1,281.00	0.00	1,281.00	267.52	0.00	267.52	0.00
Fine Grading Off Road Diesel	8.46	66.95	36.93	0.00	0.00	3.02	3.02	0.00	2.78	2.78	8,842.87
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	0.06	0.10	1.93	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.46
Time Slice 9/2/2015-11/13/2015 Active Days: 53	8.31	44.37	127.30	0.16	0.75	2.59	3.34	0.27	2.34	2.61	20,282.29
Building 08/01/2015-07/01/2017	8.31	44.37	127.30	0.16	0.75	2.59	3.34	0.27	2.34	2.61	20,282.29
Building Off Road Diesel	4.52	28.64	21.80	0.00	0.00	1.86	1.86	0.00	1.71	1.71	3,954.94
Building Vendor Trips	0.93	10.71	10.22	0.03	0.14	0.41	0.54	0.05	0.37	0.42	3,707.97
Building Worker Trips	2.86	5.02	95.28	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,619.37

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Time Slice 11/16/2015-12/31/2015 Active Days: 34	106.73	44.42	128.19	0.16	0.76	2.59	3.35	0.27	2.34	2.61	20,399.62
Building 08/01/2015-07/01/2017	8.31	44.37	127.30	0.16	0.75	2.59	3.34	0.27	2.34	2.61	20,282.29
Building Off Road Diesel	4.52	28.64	21.80	0.00	0.00	1.86	1.86	0.00	1.71	1.71	3,954.94
Building Vendor Trips	0.93	10.71	10.22	0.03	0.14	0.41	0.54	0.05	0.37	0.42	3,707.97
Building Worker Trips	2.86	5.02	95.28	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,619.37
Coating 11/15/2015-07/31/2017	98.42	0.05	0.89	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.34
Architectural Coating	98.39	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	0.89	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.34
Time Slice 11/2016-12/30/2016 Active Days: 261	106.03	40.34	119.94	0.16	0.76	2.30	3.06	0.27	2.07	2.34	20,403.28
Building 08/01/2015-07/01/2017	7.61	40.30	119.13	0.16	0.75	2.29	3.05	0.27	2.07	2.34	20,285.92
Building Off Road Diesel	4.13	26.17	21.53	0.00	0.00	1.61	1.61	0.00	1.48	1.48	3,954.94
Building Vendor Trips	0.86	9.53	9.58	0.03	0.14	0.37	0.50	0.05	0.33	0.38	3,708.19
Building Worker Trips	2.61	4.59	88.02	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,622.78
Coating 11/15/2015-07/31/2017	98.42	0.04	0.82	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.37
Architectural Coating	98.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.82	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.37

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Time Slice 1/2/2017-1/13/2017 Active Days: 10	105.36	36.64	112.35	0.16	0.76	2.05	2.80	0.27	1.84	2.12	20,406.38
Building 08/01/2015-07/01/2017	6.95	36.60	111.59	0.16	0.75	2.04	2.80	0.27	1.84	2.11	20,288.98
Building Off Road Diesel	3.79	23.91	21.32	0.00	0.00	1.39	1.39	0.00	1.28	1.28	3,954.94
Building Vendor Trips	0.80	8.49	8.98	0.03	0.14	0.33	0.47	0.05	0.30	0.35	3,708.43
Building Worker Trips	2.37	4.20	81.29	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,625.61
Coating 11/15/2015-07/31/2017	98.41	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Architectural Coating	98.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Time Slice 1/16/2017-6/30/2017 Active Days: 120	<u>108.90</u>	51.33	<u>123.67</u>	<u>0.17</u>	0.79	3.17	3.95	0.28	2.87	3.15	<u>22,536.53</u>
Asphalt 01/15/2017-07/15/2017	3.54	14.69	11.32	0.01	0.03	1.12	1.15	0.01	1.03	1.04	2,130.15
Paving Off-Gas	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.09	12.86	9.83	0.00	0.00	1.05	1.05	0.00	0.97	0.97	1,418.81
Paving On Road Diesel	0.14	1.79	0.66	0.01	0.02	0.06	0.08	0.01	0.06	0.06	583.54
Paving Worker Trips	0.02	0.04	0.82	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.79
Building 08/01/2015-07/01/2017	6.95	36.60	111.59	0.16	0.75	2.04	2.80	0.27	1.84	2.11	20,288.98
Building Off Road Diesel	3.79	23.91	21.32	0.00	0.00	1.39	1.39	0.00	1.28	1.28	3,954.94
Building Vendor Trips	0.80	8.49	8.98	0.03	0.14	0.33	0.47	0.05	0.30	0.35	3,708.43
Building Worker Trips	2.37	4.20	81.29	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,625.61
Coating 11/15/2015-07/31/2017	98.41	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Architectural Coating	98.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39

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Time Slice 7/3/2017-7/14/2017 Active Days: 10	101.95	14.73	12.07	0.01	0.03	1.12	1.15	0.01	1.03	1.04	2,247.55
Asphalt 01/15/2017-07/15/2017	3.54	14.69	11.32	0.01	0.03	1.12	1.15	0.01	1.03	1.04	2,130.15
Paving Off-Gas	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.09	12.86	9.83	0.00	0.00	1.05	1.05	0.00	0.97	0.97	1,418.81
Paving On Road Diesel	0.14	1.79	0.66	0.01	0.02	0.06	0.08	0.01	0.06	0.06	583.54
Paving Worker Trips	0.02	0.04	0.82	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.79
Coating 11/15/2015-07/31/2017	98.41	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Architectural Coating	98.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Time Slice 7/17/2017-7/31/2017 Active Days: 11	98.41	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Coating 11/15/2015-07/31/2017	98.41	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Architectural Coating	98.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Time Slice 8/1/2017-9/29/2017 Active Days: 44	7.56	56.38	36.09	0.00	1,281.01	2.47	1,283.49	267.53	2.28	269.80	9,098.45
Mass Grading 08/01/2017-11/15/2017	7.56	56.38	36.09	0.00	1,281.01	2.47	1,283.49	267.53	2.28	269.80	9,098.45
Mass Grading Dust	0.00	0.00	0.00	0.00	1,281.00	0.00	1,281.00	267.52	0.00	267.52	0.00
Mass Grading Off Road Diesel	7.51	56.29	34.45	0.00	0.00	2.47	2.47	0.00	2.27	2.27	8,842.87
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	0.05	0.09	1.65	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.59

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Time Slice 10/2/2017-11/15/2017 Active Days: 33	15.11	<u>112.76</u>	72.18	0.00	<u>2,562.02</u>	<u>4.95</u>	<u>2,566.97</u>	<u>535.06</u>	<u>4.55</u>	<u>539.61</u>	18,196.91
Fine Grading 10/01/2017- 02/01/2018	7.56	56.38	36.09	0.00	1,281.01	2.47	1,283.49	267.53	2.28	269.80	9,098.45
Fine Grading Dust	0.00	0.00	0.00	0.00	1,281.00	0.00	1,281.00	267.52	0.00	267.52	0.00
Fine Grading Off Road Diesel	7.51	56.29	34.45	0.00	0.00	2.47	2.47	0.00	2.27	2.27	8,842.87
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	0.05	0.09	1.65	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.59
Mass Grading 08/01/2017- 11/15/2017	7.56	56.38	36.09	0.00	1,281.01	2.47	1,283.49	267.53	2.28	269.80	9,098.45
Mass Grading Dust	0.00	0.00	0.00	0.00	1,281.00	0.00	1,281.00	267.52	0.00	267.52	0.00
Mass Grading Off Road Diesel	7.51	56.29	34.45	0.00	0.00	2.47	2.47	0.00	2.27	2.27	8,842.87
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	0.05	0.09	1.65	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.59
Time Slice 11/16/2017-12/29/2017 Active Days: 32	7.56	56.38	36.09	0.00	1,281.01	2.47	1,283.49	267.53	2.28	269.80	9,098.45
Fine Grading 10/01/2017- 02/01/2018	7.56	56.38	36.09	0.00	1,281.01	2.47	1,283.49	267.53	2.28	269.80	9,098.45
Fine Grading Dust	0.00	0.00	0.00	0.00	1,281.00	0.00	1,281.00	267.52	0.00	267.52	0.00
Fine Grading Off Road Diesel	7.51	56.29	34.45	0.00	0.00	2.47	2.47	0.00	2.27	2.27	8,842.87
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	0.05	0.09	1.65	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.59

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Time Slice 1/1/2018-2/1/2018 Active Days: 24	13.38	84.73	139.78	0.16	1,281.77	4.04	1,285.80	267.80	3.68	271.47	29,389.89
Building 01/01/2018-12/15/2019	6.34	33.25	104.74	0.16	0.75	1.83	2.59	0.27	1.65	1.92	20,291.39
Building Off Road Diesel	3.45	21.82	21.09	0.00	0.00	1.21	1.21	0.00	1.12	1.12	3,954.94
Building Vendor Trips	0.74	7.59	8.44	0.03	0.14	0.30	0.44	0.05	0.27	0.32	3,708.67
Building Worker Trips	2.16	3.84	75.21	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,627.78
Fine Grading 10/01/2017-02/01/2018	7.04	51.48	35.04	0.00	1,281.01	2.20	1,283.22	267.53	2.03	269.55	9,098.50
Fine Grading Dust	0.00	0.00	0.00	0.00	1,281.00	0.00	1,281.00	267.52	0.00	267.52	0.00
Fine Grading Off Road Diesel	7.00	51.40	33.52	0.00	0.00	2.20	2.20	0.00	2.02	2.02	8,842.87
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	0.08	1.52	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.63
Time Slice 2/2/2018-3/14/2018 Active Days: 29	6.34	33.25	104.74	0.16	0.75	1.83	2.59	0.27	1.65	1.92	20,291.39
Building 01/01/2018-12/15/2019	6.34	33.25	104.74	0.16	0.75	1.83	2.59	0.27	1.65	1.92	20,291.39
Building Off Road Diesel	3.45	21.82	21.09	0.00	0.00	1.21	1.21	0.00	1.12	1.12	3,954.94
Building Vendor Trips	0.74	7.59	8.44	0.03	0.14	0.30	0.44	0.05	0.27	0.32	3,708.67
Building Worker Trips	2.16	3.84	75.21	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,627.78
Time Slice 3/15/2018-12/31/2018 Active Days: 208	100.14	33.29	105.40	0.16	0.76	1.84	2.60	0.27	1.65	1.92	20,403.30
Building 01/01/2018-12/15/2019	6.34	33.25	104.74	0.16	0.75	1.83	2.59	0.27	1.65	1.92	20,291.39
Building Off Road Diesel	3.45	21.82	21.09	0.00	0.00	1.21	1.21	0.00	1.12	1.12	3,954.94
Building Vendor Trips	0.74	7.59	8.44	0.03	0.14	0.30	0.44	0.05	0.27	0.32	3,708.67
Building Worker Trips	2.16	3.84	75.21	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,627.78
Coating 03/15/2018-12/31/2019	93.80	0.03	0.67	0.00	0.01	0.00	0.01	0.00	0.00	0.00	111.91
Architectural Coating	93.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.67	0.00	0.01	0.00	0.01	0.00	0.00	0.00	111.91

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Time Slice 1/1/2019-6/14/2019 Active Days: 119	99.62	30.26	99.09	0.16	0.76	1.64	2.40	0.27	1.48	1.75	20,405.47
Building 01/01/2018-12/15/2019	5.83	30.22	98.47	0.16	0.75	1.64	2.39	0.27	1.47	1.74	20,293.55
Building Off Road Diesel	3.18	19.89	20.92	0.00	0.00	1.05	1.05	0.00	0.96	0.96	3,954.94
Building Vendor Trips	0.69	6.81	7.94	0.03	0.14	0.27	0.41	0.05	0.25	0.29	3,708.89
Building Worker Trips	1.96	3.52	69.61	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,629.71
Coating 03/15/2018-12/31/2019	93.79	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	111.92
Architectural Coating	93.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	111.92
Time Slice 6/17/2019-12/13/2019 Active Days: 130	<u>102.87</u>	<u>42.99</u>	<u>110.05</u>	<u>0.17</u>	<u>0.79</u>	<u>2.57</u>	<u>3.36</u>	<u>0.28</u>	<u>2.33</u>	<u>2.61</u>	<u>22,535.66</u>
Asphalt 06/15/2019-12/15/2019	3.25	12.73	10.96	0.01	0.03	0.93	0.96	0.01	0.85	0.86	2,130.19
Paving Off-Gas	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.83	11.27	9.70	0.00	0.00	0.88	0.88	0.00	0.81	0.81	1,418.81
Paving On Road Diesel	0.12	1.43	0.56	0.01	0.02	0.05	0.07	0.01	0.05	0.05	583.54
Paving Worker Trips	0.02	0.04	0.70	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.84
Building 01/01/2018-12/15/2019	5.83	30.22	98.47	0.16	0.75	1.64	2.39	0.27	1.47	1.74	20,293.55
Building Off Road Diesel	3.18	19.89	20.92	0.00	0.00	1.05	1.05	0.00	0.96	0.96	3,954.94
Building Vendor Trips	0.69	6.81	7.94	0.03	0.14	0.27	0.41	0.05	0.25	0.29	3,708.89
Building Worker Trips	1.96	3.52	69.61	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,629.71
Coating 03/15/2018-12/31/2019	93.79	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	111.92
Architectural Coating	93.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	111.92

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Time Slice	12/16/2019-12/31/2019	93.79	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.92
Active Days:	12																
Coating	03/15/2018-12/31/2019	93.79	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.92
Architectural Coating		93.78	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		0.02	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.92

Phase Assumptions

Phase: Demolition 1/1/2013 - 2/1/2013 - Type Your Description Here

- Building Volume Total (cubic feet): 0
- Building Volume Daily (cubic feet): 0
- On Road Truck Travel (VMT): 0
- Off-Road Equipment:

 - 3 Excavators (168 hp) operating at a 0.57 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

Phase: Fine Grading 3/1/2013 - 6/30/2013 - Default Fine Site Grading Description

- Total Acres Disturbed: 256.19
- Maximum Daily Acreage Disturbed: 64.05
- Fugitive Dust Level of Detail: Default
- 20 lbs per acre-day
- On Road Truck Travel (VMT): 0
- Off-Road Equipment:

 - 1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
 - 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
 - 3 Scrapers (313 hp) operating at a 0.72 load factor for 8 hours per day
 - 3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 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: Fine Grading 6/1/2015 - 9/1/2015 - Type Your Description Here

Total Acres Disturbed: 256.19

Maximum Daily Acreage Disturbed: 64.05

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 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
- 3 Scrapers (313 hp) operating at a 0.72 load factor for 8 hours per day
- 3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Fine Grading 10/1/2017 - 2/1/2018 - Type Your Description Here

Total Acres Disturbed: 256.19

Maximum Daily Acreage Disturbed: 64.05

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 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
- 3 Scrapers (313 hp) operating at a 0.72 load factor for 8 hours per day
- 3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Mass Grading 1/1/2013 - 4/15/2013 - Type Your Description Here

Total Acres Disturbed: 256.19

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Maximum Daily Acreage Disturbed: 64.05

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 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
- 3 Scrapers (313 hp) operating at a 0.72 load factor for 8 hours per day
- 3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Mass Grading 4/1/2015 - 7/15/2015 - Type Your Description Here

Total Acres Disturbed: 256.19

Maximum Daily Acreage Disturbed: 64.05

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 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
- 3 Scrapers (313 hp) operating at a 0.72 load factor for 8 hours per day
- 3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Mass Grading 8/1/2017 - 11/15/2017 - Type Your Description Here

Total Acres Disturbed: 256.19

Maximum Daily Acreage Disturbed: 64.05

Fugitive Dust Level of Detail: Default

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20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

- 1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 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
- 3 Scrapers (313 hp) operating at a 0.72 load factor for 8 hours per day
- 3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 9/15/2014 - 3/15/2015 - Default Paving Description

Acres to be Paved: 64.05

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: Paving 1/15/2017 - 7/15/2017 - Type Your Description Here

Acres to be Paved: 64.05

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: Paving 6/15/2019 - 12/15/2019 - Type Your Description Here

Acres to be Paved: 64.05

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

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Phase: Building Construction 5/15/2013 - 3/1/2015 - Default Building Construction Description

Off-Road Equipment:

- 2 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 8 hours per day
- 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
- 2 Rough Terrain Forklifts (93 hp) operating at a 0.6 load factor for 8 hours per day
- 1 Sweepers/Scrubbers (91 hp) operating at a 0.68 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
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Building Construction 8/1/2015 - 7/1/2017 - Type Your Description Here

Off-Road Equipment:

- 2 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 8 hours per day
- 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
- 2 Rough Terrain Forklifts (93 hp) operating at a 0.6 load factor for 8 hours per day
- 1 Sweepers/Scrubbers (91 hp) operating at a 0.68 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
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Building Construction 1/1/2018 - 12/15/2019 - Type Your Description Here

Off-Road Equipment:

- 2 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 8 hours per day
- 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

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- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 2 Rough Terrain Forklifts (93 hp) operating at a 0.6 load factor for 8 hours per day
- 1 Sweepers/Scrubbers (91 hp) operating at a 0.68 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
- 1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Architectural Coating 8/15/2013 - 3/31/2015 - 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

Phase: Architectural Coating 11/15/2015 - 7/31/2017 - Type Your Description Here
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

Phase: Architectural Coating 3/15/2018 - 12/31/2019 - Type Your Description Here
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

Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

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Time Slice 1/1/2013-2/1/2013 Active Days: 24	14.45	99.94	66.62	0.00	208.98	0.82	209.81	43.65	0.76	44.40	13,358.17
Demolition 01/01/2013-02/01/2013	4.85	32.99	24.27	0.00	0.01	0.27	0.28	0.00	0.25	0.25	4,260.07
Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Off Road Diesel	4.82	32.93	23.13	0.00	0.00	0.27	0.27	0.00	0.25	0.25	4,132.45
Demo 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
Demo Worker Trips	0.04	0.06	1.14	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.62
Mass Grading 01/01/2013-04/15/2013	9.60	66.95	42.35	0.00	208.98	0.55	209.53	43.64	0.51	44.15	9,098.10
Mass Grading Dust	0.00	0.00	0.00	0.00	208.96	0.00	208.96	43.64	0.00	43.64	0.00
Mass Grading Off Road Diesel	9.53	66.82	40.07	0.00	0.00	0.54	0.54	0.00	0.50	0.50	8,842.87
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	0.07	0.12	2.27	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.23
Time Slice 2/4/2013-2/28/2013 Active Days: 19	9.60	66.95	42.35	0.00	208.98	0.55	209.53	43.64	0.51	44.15	9,098.10
Mass Grading 01/01/2013-04/15/2013	9.60	66.95	42.35	0.00	208.98	0.55	209.53	43.64	0.51	44.15	9,098.10
Mass Grading Dust	0.00	0.00	0.00	0.00	208.96	0.00	208.96	43.64	0.00	43.64	0.00
Mass Grading Off Road Diesel	9.53	66.82	40.07	0.00	0.00	0.54	0.54	0.00	0.50	0.50	8,842.87
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	0.07	0.12	2.27	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.23

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Time Slice 3/1/2013-4/15/2013 Active Days: 32	19.21	133.89	84.70	0.00	417.95	1.10	419.05	87.29	1.01	88.30	18,196.19
Fine Grading 03/01/2013- 06/30/2013	9.60	66.95	42.35	0.00	208.98	0.55	209.53	43.64	0.51	44.15	9,098.10
Fine Grading Dust	0.00	0.00	0.00	0.00	208.96	0.00	208.96	43.64	0.00	43.64	0.00
Fine Grading Off Road Diesel	9.53	66.82	40.07	0.00	0.00	0.54	0.54	0.00	0.50	0.50	8,842.87
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	0.07	0.12	2.27	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.23
Mass Grading 01/01/2013- 04/15/2013	9.60	66.95	42.35	0.00	208.98	0.55	209.53	43.64	0.51	44.15	9,098.10
Mass Grading Dust	0.00	0.00	0.00	0.00	208.96	0.00	208.96	43.64	0.00	43.64	0.00
Mass Grading Off Road Diesel	9.53	66.82	40.07	0.00	0.00	0.54	0.54	0.00	0.50	0.50	8,842.87
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	0.07	0.12	2.27	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.23
Time Slice 4/16/2013-5/14/2013 Active Days: 21	9.60	66.95	42.35	0.00	208.98	0.55	209.53	43.64	0.51	44.15	9,098.10
Fine Grading 03/01/2013- 06/30/2013	9.60	66.95	42.35	0.00	208.98	0.55	209.53	43.64	0.51	44.15	9,098.10
Fine Grading Dust	0.00	0.00	0.00	0.00	208.96	0.00	208.96	43.64	0.00	43.64	0.00
Fine Grading Off Road Diesel	9.53	66.82	40.07	0.00	0.00	0.54	0.54	0.00	0.50	0.50	8,842.87
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	0.07	0.12	2.27	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.23

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Time Slice 5/15/2013-6/28/2013 Active Days: 33	19.55	115.36	<u>188.91</u>	0.16	209.73	1.73	211.46	43.91	1.55	45.46	<u>29,368.51</u>
Building 05/15/2013-03/01/2015	9.94	48.42	146.56	0.16	0.75	1.18	1.93	0.27	1.05	1.31	20,270.41
Building Off Road Diesel	5.34	28.78	22.50	0.00	0.00	0.35	0.35	0.00	0.32	0.32	3,954.94
Building Vendor Trips	1.09	13.57	11.73	0.03	0.14	0.51	0.64	0.05	0.46	0.51	3,707.42
Building Worker Trips	3.50	6.06	112.33	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,608.05
Fine Grading 03/01/2013-06/30/2013	9.60	66.95	42.35	0.00	208.98	0.55	209.53	43.64	0.51	44.15	9,098.10
Fine Grading Dust	0.00	0.00	0.00	0.00	208.96	0.00	208.96	43.64	0.00	43.64	0.00
Fine Grading Off Road Diesel	9.53	66.82	40.07	0.00	0.00	0.54	0.54	0.00	0.50	0.50	8,842.87
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	0.07	0.12	2.27	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.23
Time Slice 7/1/2013-8/14/2013 Active Days: 33	9.94	48.42	146.56	0.16	0.75	1.18	1.93	0.27	1.05	1.31	20,270.41
Building 05/15/2013-03/01/2015	9.94	48.42	146.56	0.16	0.75	1.18	1.93	0.27	1.05	1.31	20,270.41
Building Off Road Diesel	5.34	28.78	22.50	0.00	0.00	0.35	0.35	0.00	0.32	0.32	3,954.94
Building Vendor Trips	1.09	13.57	11.73	0.03	0.14	0.51	0.64	0.05	0.46	0.51	3,707.42
Building Worker Trips	3.50	6.06	112.33	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,608.05
Time Slice 8/15/2013-12/31/2013 Active Days: 99	<u>31.78</u>	48.47	147.66	0.16	0.76	1.18	1.94	0.27	1.05	1.32	20,394.00
Building 05/15/2013-03/01/2015	9.94	48.42	146.56	0.16	0.75	1.18	1.93	0.27	1.05	1.31	20,270.41
Building Off Road Diesel	5.34	28.78	22.50	0.00	0.00	0.35	0.35	0.00	0.32	0.32	3,954.94
Building Vendor Trips	1.09	13.57	11.73	0.03	0.14	0.51	0.64	0.05	0.46	0.51	3,707.42
Building Worker Trips	3.50	6.06	112.33	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,608.05
Coating 08/15/2013-03/31/2015	21.83	0.06	1.10	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.59
Architectural Coating	21.80	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	0.06	1.10	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.59

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Time Slice 1/1/2014-9/12/2014 Active Days: 183	66.60	44.25	137.54	0.16	0.76	1.09	1.85	0.27	0.96	1.23	20,400.64
Building 05/15/2013-03/01/2015	9.10	44.20	136.53	0.16	0.75	1.08	1.84	0.27	0.96	1.23	20,276.99
Building Off Road Diesel	4.92	26.64	22.14	0.00	0.00	0.31	0.31	0.00	0.28	0.28	3,954.94
Building Vendor Trips	1.01	12.04	10.94	0.03	0.14	0.45	0.59	0.05	0.41	0.46	3,707.68
Building Worker Trips	3.17	5.52	103.45	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,614.37
Coating 08/15/2013-03/31/2015	57.50	0.05	1.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.65
Architectural Coating	57.47	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	1.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.65
Time Slice 9/15/2014-12/31/2014 Active Days: 78	<u>70.64</u>	<u>60.15</u>	<u>149.54</u>	<u>0.17</u>	<u>0.79</u>	<u>1.38</u>	<u>2.17</u>	<u>0.28</u>	<u>1.23</u>	<u>1.51</u>	<u>22,535.17</u>
Asphalt 09/15/2014-03/15/2015	4.05	15.90	12.00	0.01	0.03	0.30	0.32	0.01	0.27	0.28	2,134.53
Paving Off-Gas	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.54	13.27	10.07	0.00	0.00	0.20	0.20	0.00	0.19	0.19	1,418.81
Paving On Road Diesel	0.18	2.58	0.88	0.01	0.02	0.09	0.11	0.01	0.08	0.09	588.03
Paving Worker Trips	0.03	0.06	1.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.68
Building 05/15/2013-03/01/2015	9.10	44.20	136.53	0.16	0.75	1.08	1.84	0.27	0.96	1.23	20,276.99
Building Off Road Diesel	4.92	26.64	22.14	0.00	0.00	0.31	0.31	0.00	0.28	0.28	3,954.94
Building Vendor Trips	1.01	12.04	10.94	0.03	0.14	0.45	0.59	0.05	0.41	0.46	3,707.68
Building Worker Trips	3.17	5.52	103.45	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,614.37
Coating 08/15/2013-03/31/2015	57.50	0.05	1.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.65
Architectural Coating	57.47	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	1.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.65

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Time Slice 1/1/2015-2/27/2015 Active Days: 42	<u>26.30</u>	54.92	139.98	<u>0.17</u>	0.79	1.28	2.07	0.28	1.14	1.42	22,540.56
Asphalt 09/15/2014-03/15/2015	3.87	14.79	11.74	0.01	0.03	0.27	0.30	0.01	0.25	0.26	2,134.58
Paving Off-Gas	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.38	12.45	9.98	0.00	0.00	0.19	0.19	0.00	0.17	0.17	1,418.81
Paving On Road Diesel	0.17	2.29	0.80	0.01	0.02	0.08	0.10	0.01	0.07	0.08	588.03
Paving Worker Trips	0.03	0.05	0.96	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.73
Building 05/15/2013-03/01/2015	8.31	40.08	127.30	0.16	0.75	1.01	1.76	0.27	0.89	1.16	20,282.29
Building Off Road Diesel	4.52	24.35	21.80	0.00	0.00	0.28	0.28	0.00	0.26	0.26	3,954.94
Building Vendor Trips	0.93	10.71	10.22	0.03	0.14	0.41	0.54	0.05	0.37	0.42	3,707.97
Building Worker Trips	2.86	5.02	95.28	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,619.37
Coating 08/15/2013-03/31/2015	14.12	0.05	0.93	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.70
Architectural Coating	14.09	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	0.93	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.70
Time Slice 3/2/2015-3/13/2015 Active Days: 10	17.99	14.84	12.68	0.01	0.03	0.27	0.31	0.01	0.25	0.26	2,258.28
Asphalt 09/15/2014-03/15/2015	3.87	14.79	11.74	0.01	0.03	0.27	0.30	0.01	0.25	0.26	2,134.58
Paving Off-Gas	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.38	12.45	9.98	0.00	0.00	0.19	0.19	0.00	0.17	0.17	1,418.81
Paving On Road Diesel	0.17	2.29	0.80	0.01	0.02	0.08	0.10	0.01	0.07	0.08	588.03
Paving Worker Trips	0.03	0.05	0.96	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.73
Coating 08/15/2013-03/31/2015	14.12	0.05	0.93	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.70
Architectural Coating	14.09	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	0.93	0.00	0.01	0.00	0.01	0.00	0.00	0.00	123.70

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Time Slice 7/16/2015-7/31/2015 Active Days: 12	8.52	57.01	38.86	0.00	208.98	0.46	209.44	43.64	0.42	44.07	9,098.33
Fine Grading 06/01/2015- 09/01/2015	8.52	57.01	38.86	0.00	208.98	0.46	209.44	43.64	0.42	44.07	9,098.33
Fine Grading Dust	0.00	0.00	0.00	0.00	208.96	0.00	208.96	43.64	0.00	43.64	0.00
Fine Grading Off Road Diesel	8.46	56.91	36.93	0.00	0.00	0.45	0.45	0.00	0.42	0.42	8,842.87
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	0.06	0.10	1.93	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.46
Time Slice 8/3/2015-9/1/2015 Active Days: 22	16.83	97.09	<u>166.16</u>	0.16	209.73	<u>1.47</u>	211.19	43.91	<u>1.31</u>	45.22	<u>29,380.61</u>
Building 08/01/2015-07/01/2017	8.31	40.08	127.30	0.16	0.75	1.01	1.76	0.27	0.89	1.16	20,282.29
Building Off Road Diesel	4.52	24.35	21.80	0.00	0.00	0.28	0.28	0.00	0.26	0.26	3,954.94
Building Vendor Trips	0.93	10.71	10.22	0.03	0.14	0.41	0.54	0.05	0.37	0.42	3,707.97
Building Worker Trips	2.86	5.02	95.28	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,619.37
Fine Grading 06/01/2015- 09/01/2015	8.52	57.01	38.86	0.00	208.98	0.46	209.44	43.64	0.42	44.07	9,098.33
Fine Grading Dust	0.00	0.00	0.00	0.00	208.96	0.00	208.96	43.64	0.00	43.64	0.00
Fine Grading Off Road Diesel	8.46	56.91	36.93	0.00	0.00	0.45	0.45	0.00	0.42	0.42	8,842.87
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	0.06	0.10	1.93	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.46
Time Slice 9/2/2015-11/13/2015 Active Days: 53	8.31	40.08	127.30	0.16	0.75	1.01	1.76	0.27	0.89	1.16	20,282.29
Building 08/01/2015-07/01/2017	8.31	40.08	127.30	0.16	0.75	1.01	1.76	0.27	0.89	1.16	20,282.29
Building Off Road Diesel	4.52	24.35	21.80	0.00	0.00	0.28	0.28	0.00	0.26	0.26	3,954.94
Building Vendor Trips	0.93	10.71	10.22	0.03	0.14	0.41	0.54	0.05	0.37	0.42	3,707.97
Building Worker Trips	2.86	5.02	95.28	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,619.37

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Time Slice 11/16/2015-12/31/2015 Active Days: 34	15.27	40.12	128.19	0.16	0.76	1.01	1.77	0.27	0.89	1.16	20,399.62
Building 08/01/2015-07/01/2017	8.31	40.08	127.30	0.16	0.75	1.01	1.76	0.27	0.89	1.16	20,282.29
Building Off Road Diesel	4.52	24.35	21.80	0.00	0.00	0.28	0.28	0.00	0.26	0.26	3,954.94
Building Vendor Trips	0.93	10.71	10.22	0.03	0.14	0.41	0.54	0.05	0.37	0.42	3,707.97
Building Worker Trips	2.86	5.02	95.28	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,619.37
Coating 11/15/2015-07/31/2017	6.96	0.05	0.89	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.34
Architectural Coating	6.93	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	0.89	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.34
Time Slice 11/2016-12/30/2016 Active Days: 261	59.34	36.42	119.94	0.16	0.76	0.93	1.69	0.27	0.82	1.09	20,403.28
Building 08/01/2015-07/01/2017	7.61	36.37	119.13	0.16	0.75	0.93	1.68	0.27	0.82	1.08	20,285.92
Building Off Road Diesel	4.13	22.25	21.53	0.00	0.00	0.24	0.24	0.00	0.22	0.22	3,954.94
Building Vendor Trips	0.86	9.53	9.58	0.03	0.14	0.37	0.50	0.05	0.33	0.38	3,708.19
Building Worker Trips	2.61	4.59	88.02	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,622.78
Coating 11/15/2015-07/31/2017	51.73	0.04	0.82	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.37
Architectural Coating	51.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.82	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.37

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Time Slice 1/2/2017-1/13/2017 Active Days: 10	37.08	33.05	112.35	0.16	0.76	0.86	1.62	0.27	0.75	1.03	20,406.38
Building 08/01/2015-07/01/2017	6.95	33.01	111.59	0.16	0.75	0.86	1.61	0.27	0.75	1.02	20,288.98
Building Off Road Diesel	3.79	20.32	21.32	0.00	0.00	0.21	0.21	0.00	0.19	0.19	3,954.94
Building Vendor Trips	0.80	8.49	8.98	0.03	0.14	0.33	0.47	0.05	0.30	0.35	3,708.43
Building Worker Trips	2.37	4.20	81.29	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,625.61
Coating 11/15/2015-07/31/2017	30.13	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Architectural Coating	30.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Time Slice 1/16/2017-6/30/2017 Active Days: 120	<u>40.62</u>	45.81	<u>123.67</u>	<u>0.17</u>	0.79	<u>1.09</u>	1.87	0.28	<u>0.96</u>	1.24	<u>22,536.53</u>
Asphalt 01/15/2017-07/15/2017	3.54	12.76	11.32	0.01	0.03	0.22	0.25	0.01	0.21	0.21	2,130.15
Paving Off-Gas	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.09	10.93	9.83	0.00	0.00	0.16	0.16	0.00	0.15	0.15	1,418.81
Paving On Road Diesel	0.14	1.79	0.66	0.01	0.02	0.06	0.08	0.01	0.06	0.06	583.54
Paving Worker Trips	0.02	0.04	0.82	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.79
Building 08/01/2015-07/01/2017	6.95	33.01	111.59	0.16	0.75	0.86	1.61	0.27	0.75	1.02	20,288.98
Building Off Road Diesel	3.79	20.32	21.32	0.00	0.00	0.21	0.21	0.00	0.19	0.19	3,954.94
Building Vendor Trips	0.80	8.49	8.98	0.03	0.14	0.33	0.47	0.05	0.30	0.35	3,708.43
Building Worker Trips	2.37	4.20	81.29	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,625.61
Coating 11/15/2015-07/31/2017	30.13	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Architectural Coating	30.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39

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Time Slice 7/3/2017-7/14/2017 Active Days: 10	33.67	12.80	12.07	0.01	0.03	0.23	0.26	0.01	0.21	0.22	2,247.55
Asphalt 01/15/2017-07/15/2017	3.54	12.76	11.32	0.01	0.03	0.22	0.25	0.01	0.21	0.21	2,130.15
Paving Off-Gas	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.09	10.93	9.83	0.00	0.00	0.16	0.16	0.00	0.15	0.15	1,418.81
Paving On Road Diesel	0.14	1.79	0.66	0.01	0.02	0.06	0.08	0.01	0.06	0.06	583.54
Paving Worker Trips	0.02	0.04	0.82	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.79
Coating 11/15/2015-07/31/2017	30.13	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Architectural Coating	30.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Time Slice 7/17/2017-7/31/2017 Active Days: 11	30.13	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Coating 11/15/2015-07/31/2017	30.13	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Architectural Coating	30.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.76	0.00	0.01	0.00	0.01	0.00	0.00	0.00	117.39
Time Slice 8/1/2017-9/29/2017 Active Days: 44	7.56	47.93	36.09	0.00	208.98	0.38	209.35	43.64	0.35	43.99	9,098.45
Mass Grading 08/01/2017-11/15/2017	7.56	47.93	36.09	0.00	208.98	0.38	209.35	43.64	0.35	43.99	9,098.45
Mass Grading Dust	0.00	0.00	0.00	0.00	208.96	0.00	208.96	43.64	0.00	43.64	0.00
Mass Grading Off Road Diesel	7.51	47.85	34.45	0.00	0.00	0.37	0.37	0.00	0.34	0.34	8,842.87
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	0.05	0.09	1.65	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.59

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Time Slice 10/2/2017-11/15/2017 Active Days: 33	15.11	95.87	72.18	0.00	417.95	0.75	418.70	87.29	0.69	87.98	18,196.91
Fine Grading 10/01/2017- 02/01/2018	7.56	47.93	36.09	0.00	208.98	0.38	209.35	43.64	0.35	43.99	9,098.45
Fine Grading Dust	0.00	0.00	0.00	0.00	208.96	0.00	208.96	43.64	0.00	43.64	0.00
Fine Grading Off Road Diesel	7.51	47.85	34.45	0.00	0.00	0.37	0.37	0.00	0.34	0.34	8,842.87
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	0.05	0.09	1.65	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.59
Mass Grading 08/01/2017- 11/15/2017	7.56	47.93	36.09	0.00	208.98	0.38	209.35	43.64	0.35	43.99	9,098.45
Mass Grading Dust	0.00	0.00	0.00	0.00	208.96	0.00	208.96	43.64	0.00	43.64	0.00
Mass Grading Off Road Diesel	7.51	47.85	34.45	0.00	0.00	0.37	0.37	0.00	0.34	0.34	8,842.87
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	0.05	0.09	1.65	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.59
Time Slice 11/16/2017-12/29/2017 Active Days: 32	7.56	47.93	36.09	0.00	208.98	0.38	209.35	43.64	0.35	43.99	9,098.45
Fine Grading 10/01/2017- 02/01/2018	7.56	47.93	36.09	0.00	208.98	0.38	209.35	43.64	0.35	43.99	9,098.45
Fine Grading Dust	0.00	0.00	0.00	0.00	208.96	0.00	208.96	43.64	0.00	43.64	0.00
Fine Grading Off Road Diesel	7.51	47.85	34.45	0.00	0.00	0.37	0.37	0.00	0.34	0.34	8,842.87
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	0.05	0.09	1.65	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.59

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Time Slice 1/1/2018-2/1/2018 Active Days: 24	13.38	73.75	139.78	9.16	209.73	1.14	210.87	43.91	1.01	44.92	29,389.89
Building 01/01/2018-12/15/2019	6.34	29.98	104.74	0.16	0.75	0.80	1.56	0.27	0.70	0.97	20,291.39
Building Off Road Diesel	3.45	18.55	21.09	0.00	0.00	0.18	0.18	0.00	0.17	0.17	3,954.94
Building Vendor Trips	0.74	7.59	8.44	0.03	0.14	0.30	0.44	0.05	0.27	0.32	3,708.67
Building Worker Trips	2.16	3.84	75.21	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,627.78
Fine Grading 10/01/2017-02/01/2018	7.04	43.77	35.04	0.00	208.98	0.34	209.31	43.64	0.31	43.95	9,098.50
Fine Grading Dust	0.00	0.00	0.00	0.00	208.96	0.00	208.96	43.64	0.00	43.64	0.00
Fine Grading Off Road Diesel	7.00	43.69	33.52	0.00	0.00	0.33	0.33	0.00	0.30	0.30	8,842.87
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	0.08	1.52	0.00	0.01	0.01	0.02	0.00	0.01	0.01	255.63
Time Slice 2/2/2018-3/14/2018 Active Days: 29	6.34	29.98	104.74	0.16	0.75	0.80	1.56	0.27	0.70	0.97	20,291.39
Building 01/01/2018-12/15/2019	6.34	29.98	104.74	0.16	0.75	0.80	1.56	0.27	0.70	0.97	20,291.39
Building Off Road Diesel	3.45	18.55	21.09	0.00	0.00	0.18	0.18	0.00	0.17	0.17	3,954.94
Building Vendor Trips	0.74	7.59	8.44	0.03	0.14	0.30	0.44	0.05	0.27	0.32	3,708.67
Building Worker Trips	2.16	3.84	75.21	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,627.78
Time Slice 3/15/2018-12/31/2018 Active Days: 208	43.79	30.01	105.40	0.16	0.76	0.80	1.56	0.27	0.70	0.97	20,403.30
Building 01/01/2018-12/15/2019	6.34	29.98	104.74	0.16	0.75	0.80	1.56	0.27	0.70	0.97	20,291.39
Building Off Road Diesel	3.45	18.55	21.09	0.00	0.00	0.18	0.18	0.00	0.17	0.17	3,954.94
Building Vendor Trips	0.74	7.59	8.44	0.03	0.14	0.30	0.44	0.05	0.27	0.32	3,708.67
Building Worker Trips	2.16	3.84	75.21	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,627.78
Coating 03/15/2018-12/31/2019	37.45	0.03	0.67	0.00	0.01	0.00	0.01	0.00	0.00	0.00	111.91
Architectural Coating	37.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.67	0.00	0.01	0.00	0.01	0.00	0.00	0.00	111.91

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Time Slice 1/1/2019-6/14/2019 Active Days: 119	52.81	27.27	99.09	0.16	0.76	0.75	1.51	0.27	0.65	0.93	20,405.47
Building 01/01/2018-12/15/2019	5.83	27.24	98.47	0.16	0.75	0.75	1.50	0.27	0.65	0.92	20,293.55
Building Off Road Diesel	3.18	16.91	20.92	0.00	0.00	0.16	0.16	0.00	0.14	0.14	3,954.94
Building Vendor Trips	0.69	6.81	7.94	0.03	0.14	0.27	0.41	0.05	0.25	0.29	3,708.89
Building Worker Trips	1.96	3.52	69.61	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,629.71
Coating 03/15/2018-12/31/2019	46.99	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	111.92
Architectural Coating	46.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	111.92
Time Slice 6/17/2019-12/13/2019 Active Days: 130	56.06	38.31	110.05	0.17	0.79	0.94	1.72	0.28	0.82	1.10	22,535.66
Asphalt 06/15/2019-12/15/2019	3.25	11.04	10.96	0.01	0.03	0.18	0.21	0.01	0.17	0.18	2,130.19
Paving Off-Gas	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.83	9.58	9.70	0.00	0.00	0.13	0.13	0.00	0.12	0.12	1,418.81
Paving On Road Diesel	0.12	1.43	0.56	0.01	0.02	0.05	0.07	0.01	0.05	0.05	583.54
Paving Worker Trips	0.02	0.04	0.70	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.84
Building 01/01/2018-12/15/2019	5.83	27.24	98.47	0.16	0.75	0.75	1.50	0.27	0.65	0.92	20,293.55
Building Off Road Diesel	3.18	16.91	20.92	0.00	0.00	0.16	0.16	0.00	0.14	0.14	3,954.94
Building Vendor Trips	0.69	6.81	7.94	0.03	0.14	0.27	0.41	0.05	0.25	0.29	3,708.89
Building Worker Trips	1.96	3.52	69.61	0.12	0.62	0.32	0.94	0.22	0.26	0.48	12,629.71
Coating 03/15/2018-12/31/2019	46.99	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	111.92
Architectural Coating	46.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	111.92

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Time Slice 12/16/2019-12/31/2019 Active Days: 12	46.99	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	111.92
Coating 03/15/2018-12/31/2019	46.99	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	111.92
Architectural Coating	46.97	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	0.02	0.03	0.62	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	111.92

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Demolition 1/1/2013 - 2/1/2013 - Type Your Description Here

For Excavators, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Excavators, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Fine Grading 3/1/2013 - 6/30/2013 - Default Fine Site Grading Description

For Soil Stabilizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stabilizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Excavators, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Excavators, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

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For Graders, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Graders, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Scrapers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Scrapers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Water Trucks, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Water Trucks, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Fine Grading 6/1/2015 - 9/1/2015 - Type Your Description Here

For Soil Stabilizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stabilizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Excavators, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

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PM10: 85% PM25: 85%

For Excavators, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Graders, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Graders, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Scrapers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Scrapers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Water Trucks, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Water Trucks, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Fine Grading 10/1/2017 - 2/1/2018 - Type Your Description Here

For Soil Stabilizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stabilizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

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For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Excavators, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Excavators, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Graders, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Graders, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Scrapers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Scrapers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Water Trucks, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Water Trucks, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Mass Grading 1/1/2013 - 4/15/2013 - Type Your Description Here

For Soil Stabilizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stabilizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

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PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Excavators, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Excavators, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Graders, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Graders, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Scrapers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Scrapers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Water Trucks, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Water Trucks, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Mass Grading 4/1/2015 - 7/15/2015 - Type Your Description Here

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For Soil Stabilizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stabilizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Excavators, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Excavators, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Graders, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Graders, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Scrapers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Scrapers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Water Trucks, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

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For Water Trucks, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Mass Grading 8/1/2017 - 11/15/2017 - Type Your Description Here

For Soil Stabilizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stabilizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Excavators, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Excavators, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Graders, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Graders, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rubber Tired Dozers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rubber Tired Dozers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Scrapers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Scrapers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

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NOX: 15%

For Water Trucks, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Water Trucks, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Paving 9/15/2014 - 3/15/2015 - Default Paving Description

For Pavers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Pavers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Paving Equipment, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Paving Equipment, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rollers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rollers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Paving 1/15/2017 - 7/15/2017 - Type Your Description Here

For Pavers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Pavers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Paving Equipment, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Paving Equipment, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rollers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rollers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

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NOX: 15%

The following mitigation measures apply to Phase: Paving 6/15/2019 - 12/15/2019 - Type Your Description Here

For Pavers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Pavers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Paving Equipment, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Paving Equipment, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rollers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rollers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Building Construction 5/15/2013 - 3/1/2015 - Default Building Construction Description

For Cranes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Cranes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Forklifts, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Forklifts, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Generator Sets, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Generator Sets, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

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NOX: 15%

For Welders, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Welders, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Cement and Mortar Mixers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Cement and Mortar Mixers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rough Terrain Forklifts, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rough Terrain Forklifts, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Sweepers/Scrubbers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Sweepers/Scrubbers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Water Trucks, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Water Trucks, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Building Construction 8/1/2015 - 7/1/2017 - Type Your Description Here

For Cranes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Cranes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Forklifts, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Forklifts, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

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For Generator Sets, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Generator Sets, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Welders, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Welders, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Cement and Mortar Mixers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Cement and Mortar Mixers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rough Terrain Forklifts, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rough Terrain Forklifts, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Sweepers/Scrubbers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Sweepers/Scrubbers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Water Trucks, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Water Trucks, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Building Construction 1/1/2018 - 12/15/2019 - Type Your Description Here

For Cranes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

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PM10: 85% PM25: 85%

For Cranes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Forklifts, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Forklifts, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Generator Sets, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Generator Sets, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Tractors/Loaders/Backhoes, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Tractors/Loaders/Backhoes, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Welders, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Welders, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Cement and Mortar Mixers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Cement and Mortar Mixers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Rough Terrain Forklifts, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Rough Terrain Forklifts, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

For Sweepers/Scrubbers, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Sweepers/Scrubbers, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

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NOX: 15%

For Water Trucks, the Diesel Particulate Filter (DPF) 1st Tier mitigation reduces emissions by:

PM10: 85% PM25: 85%

For Water Trucks, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 15%

The following mitigation measures apply to Phase: Architectural Coating 8/15/2013 - 3/31/2015 - Default Architectural Coating Description

For Residential Architectural Coating Measures, the Residential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Residential Architectural Coating Measures, the Residential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

The following mitigation measures apply to Phase: Architectural Coating 11/15/2015 - 7/31/2017 - Type Your Description Here

For Residential Architectural Coating Measures, the Residential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Residential Architectural Coating Measures, the Residential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

The following mitigation measures apply to Phase: Architectural Coating 3/15/2018 - 12/31/2019 - Type Your Description Here

For Residential Architectural Coating Measures, the Residential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Residential Architectural Coating Measures, the Residential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

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For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:
 ROG: 10%

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	1.43	18.58	8.48	0.00	0.04	0.04	23,613.49
Hearth - No Summer Emissions							
Landscape	5.61	0.39	33.65	0.00	0.09	0.09	55.02
Consumer Products	45.94						
Architectural Coatings	12.02						
TOTALS (lbs/day, unmitigated)	65.00	18.97	42.13	0.00	0.13	0.13	23,668.51

Area Source Mitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	1.43	18.58	8.48	0.00	0.04	0.04	23,613.49
Hearth - No Summer Emissions							
Landscape	5.61	0.39	33.65	0.00	0.09	0.09	55.02
Consumer Products	45.94						
Architectural Coatings	12.02						
TOTALS (lbs/day, mitigated)	65.00	18.97	42.13	0.00	0.13	0.13	23,668.51

Area Source Mitigation Measures Selected

Mitigation Description Percent Reduction

Area Source Changes to Defaults

- Percent residential using natural gas changed from 60% to 100%
- Percentage of residences with wood stoves changed from 35% to 0%
- Percentage of residences with wood fireplaces changed from 10% to 0%
- Percentage of residences with natural gas fireplaces changed from 55% to 0%

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	ROG	NOX	CO	SO2	PM10	PM25	CO2
Single family housing	27.06	26.72	307.21	0.51	91.22	17.29	51,613.83
Apartments low rise	3.28	3.08	35.40	0.06	10.51	1.99	5,947.81
Apartments mid rise	6.02	5.54	63.72	0.11	18.92	3.59	10,705.61
Elementary school	23.71	11.39	126.43	0.22	38.69	7.32	21,745.36
TOTALS (lbs/day, unmitigated)	60.07	46.73	532.76	0.90	159.34	30.19	90,012.61

Operational Mitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

<u>Source</u>	ROG	NOX	CO	SO2	PM10	PM25	CO2
Single family housing	25.29	24.61	282.91	0.47	84.00	15.92	47,531.27
Apartments low rise	3.01	2.76	31.78	0.05	9.44	1.79	5,338.56
Apartments mid rise	5.50	4.92	56.54	0.09	16.79	3.18	9,499.68
Elementary school	22.96	10.49	116.43	0.20	35.63	6.74	20,025.35
TOTALS (lbs/day, mitigated)	56.76	42.78	487.66	0.81	145.86	27.63	82,394.86

Operational Mitigation Options Selected

Residential Mitigation Measures

Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.91% (calculated as a % of 9.57 trips/day)

Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips

Inputs Selected:

The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 1643.

The employment for the study area (within a 1/2 mile radius of the project) is 2054.

Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 0% (calculated as a % of 9.57 trips/day))

Note that the above percent is applied to a baseline of 9.57 and that product is subtracted from the Unmitigated Trips

Inputs Selected:

The Presence of Local-Serving Retail checkbox was NOT selected.

Residential Transit Service Mitigation

Percent Reduction in Trips is 0% (calculated as a % of 9.57 trips/day)

Note that the above percent is applied to a baseline of 9.57 and that product is

Operational Mitigation Options Selected

Residential Mitigation Measures

subtracted from the Unmitigated Trips

Inputs Selected:

The Number of Daily Weekday Buses Stopping Within 1/4 Mile of Site is 0

The Number of Daily Rail or Bus Rapid Transit Stops Within 1/2 Mile of Site is 0

The Number of Dedicated Daily Shuttle Trips is 0

Residential Pedestrian/Bicycle Friendliness Mitigation

Percent Reduction in Trips is 0% (calculated as a % of 9.57 trips/day)

Note that the above percent is applied to a baseline of 9.57 and that product is

subtracted from the Unmitigated Trips

Inputs Selected:

The Number of Intersections per Square Mile is 0

The Percent of Streets with Sidewalks on One Side is 0%

The Percent of Streets with Sidewalks on Both Sides is 0%

The Percent of Arterials/Collectors with Bike Lanes or where Suitable,

Direct Parallel Routes Exist is 0%

Nonresidential Mitigation Measures

Non-Residential Mix of Uses Mitigation

Percent Reduction in Trips is 7.91%

Inputs Selected:

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Non-Residential Mitigation Measures

The number of housing units within a 1/2 mile radius of the project, plus the number of residential units included in the project are 1643.

The employment for the study area (within a 1/2 mile radius of the project) is 2054.

Non-Residential Local-Serving Retail Mitigation

Percent Reduction in Trips is 0%

Inputs Selected:

The Presence of Local-Serving Retail checkbox was NOT selected.

Non-Residential Transit Service Mitigation

Percent Reduction in Trips is 0%

Inputs Selected:

The Number of Daily Weekday Buses Stopping Within 1/4 Mile of Site is 0

The Number of Daily Rail or Bus Rapid Transit Stops Within 1/2 Mile of Site is 0

The Number of Dedicated Daily Shuttle Trips is 0

Non-Residential Pedestrian/Bicycle Friendliness Mitigation

Percent Reduction in Trips is 0%

Inputs Selected:

The Number of Intersections per Square Mile is 0

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Nonresidential Mitigation Measures

- The Percent of Streets with Sidewalks on One Side is 0%
- The Percent of Streets with Sidewalks on Both Sides is 0%
- The Percent of Arterials/Collectors with Bike Lanes or where Suitable, Direct Parallel Routes Exist is 0%

Operational Settings:

- Does not include correction for passby trips
- Does not include double counting adjustment for internal trips

Analysis Year: 2019 Temperature (F): 85 Season: Summer

Erfac: Version : Erfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Single family housing	216.67	9.57	dwelling units	650.00	6,220.50	53,183.41
Apartments low rise	6.06	7.39	dwelling units	97.00	716.83	6,128.68
Apartments mid rise	5.05	6.72	dwelling units	192.00	1,290.24	11,031.16
Elementary school		1.45	students	2,000.00	2,900.00	22,562.00
					11,127.57	92,905.25

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.0	0.0	99.8	0.2
Light Truck < 3750 lbs	12.6	0.0	98.4	1.6
Light Truck 3751-5750 lbs	19.9	0.0	100.0	0.0

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Med Truck 5751-8500 lbs	6.6	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.9	0.0	77.8	22.2
Lite-Heavy Truck 10,001-14,000 lbs	0.6	0.0	50.0	50.0
Med-Heavy Truck 14,001-33,000 lbs	1.0	0.0	20.0	80.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.3	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	3.2	40.6	59.4	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.6	0.0	83.3	16.7

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

Elementary school	20.0	10.0	70.0
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Operational Changes to Defaults

Summary Report for Annual Emissions (Tons/Year)

File Name: C:\Documents and Settings\equinn\Application Data\Urbemis\Version9a\Projects\Vanden Meadows\Revised 2030 Vanden Meadows.urb924

Project Name: Vanden Meadows - Cumulative Year 2030

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 (tons/year, unmitigated)	11.34	3.43	4.58	0.00	0.02	0.02	4,314.41
TOTALS (tons/year, mitigated)	11.34	3.43	4.58	0.00	0.02	0.02	4,314.41
Percent Reduction	0.00	0.00	0.00	NaN	0.00	0.00	0.00

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)	6.91	5.50	62.58	0.16	29.07	5.49	15,660.58
TOTALS (tons/year, mitigated)	6.46	5.04	57.29	0.14	26.61	5.04	14,335.22
Percent Reduction	6.51	8.36	8.45	12.50	8.46	8.20	8.46

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)	18.25	8.93	67.16	0.16	29.09	5.51	19,974.99
TOTALS (tons/year, mitigated)	17.80	8.47	61.87	0.14	26.63	5.06	18,649.63
Percent Reduction	2.47	5.15	7.88	12.50	8.46	8.17	6.64

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\equinn\Application Data\Urbemis\Version9a\Projects\Vanden Meadows\Revised 2030 Vanden Meadows.urb924

Project Name: Vanden Meadows - Cumulative Year 2030

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

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Summary Report:

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)	65.00	18.97	42.13	0.00	0.13	0.13	23,668.51
TOTALS (lbs/day, mitigated)	65.00	18.97	42.13	0.00	0.13	0.13	23,668.51
Percent Reduction	0.00	0.00	0.00	NaN	0.00	0.00	0.00

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)	40.29	25.92	339.91	0.90	159.29	30.15	90,026.24
TOTALS (lbs/day, mitigated)	37.97	23.73	311.14	0.81	145.80	27.61	82,407.34
Percent Reduction	5.76	8.45	8.46	10.00	8.47	8.42	8.46

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)	105.29	44.89	382.04	0.90	159.42	30.28	113,694.75
TOTALS (lbs/day, mitigated)	102.97	42.70	353.27	0.81	145.93	27.74	106,075.85
Percent Reduction	2.20	4.88	7.53	10.00	8.46	8.39	6.70

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	1.43	18.58	8.48	0.00	0.04	0.04	23,613.49
Hearth - No Summer Emissions							
Landscape	5.61	0.39	33.65	0.00	0.09	0.09	55.02
Consumer Products	45.94						
Architectural Coatings	12.02						
TOTALS (lbs/day, unmitigated)	65.00	18.97	42.13	0.00	0.13	0.13	23,668.51

Area Source Mitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	1.43	18.58	8.48	0.00	0.04	0.04	23,613.49
Hearth - No Summer Emissions							
Landscape	5.61	0.39	33.65	0.00	0.09	0.09	55.02
Consumer Products	45.94						
Architectural Coatings	12.02						
TOTALS (lbs/day, mitigated)	65.00	18.97	42.13	0.00	0.13	0.13	23,668.51

Area Source Changes to Defaults

- Percent residential using natural gas changed from 60% to 100%
- Percentage of residences with wood stoves changed from 35% to 0%
- Percentage of residences with wood fireplaces changed from 10% to 0%
- Percentage of residences with natural gas fireplaces changed from 55% to 0%

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Single family housing	18.56	14.82	195.81	0.51	91.19	17.27	51,621.26
Apartments low rise	2.24	1.71	22.56	0.06	10.51	1.99	5,948.66
Apartments mid rise	4.10	3.07	40.62	0.11	18.92	3.58	10,707.15
Elementary school	15.39	6.32	80.92	0.22	38.67	7.31	21,749.17
TOTALS (lbs/day, unmitigated)	40.29	25.92	339.91	0.90	159.29	30.15	90,026.24

Operational Mitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Single family housing	17.32	13.65	180.33	0.47	83.98	15.90	47,538.11
Apartments low rise	2.05	1.53	20.25	0.05	9.43	1.79	5,339.33
Apartments mid rise	3.73	2.73	36.04	0.09	16.78	3.18	9,501.05
Elementary school	14.87	5.82	74.52	0.20	35.61	6.74	20,028.85
TOTALS (lbs/day, mitigated)	37.97	23.73	311.14	0.81	145.80	27.61	82,407.34

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2030 Temperature (F): 85 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Single family housing	216.67	9.57	dwelling units	650.00	6,220.50	53,183.41
Apartments low rise	6.06	7.39	dwelling units	97.00	716.83	6,128.68
Apartments mid rise	5.05	6.72	dwelling units	192.00	1,290.24	11,031.16
Elementary school		1.45	students	2,000.00	2,900.00	22,562.00
					11,127.57	92,905.25

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.1	0.0	100.0	0.0
Light Truck < 3750 lbs	12.5	0.0	99.2	0.8
Light Truck 3751-5750 lbs	19.9	0.0	100.0	0.0
Med Truck 5751-8500 lbs	6.6	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.9	0.0	77.8	22.2
Lite-Heavy Truck 10,001-14,000 lbs	0.6	0.0	50.0	50.0
Med-Heavy Truck 14,001-33,000 lbs	1.0	0.0	20.0	80.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.3	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Motorcycle	3.2	34.4	65.6	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.6	0.0	83.3	16.7

Travel Conditions

	Residential				Commercial	
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

Elementary school	20.0	10.0	70.0
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