APPENDIX A

AIR QUALITY DATA

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: P:\CMT0901 455 W Evelyn\Background\455 W Evelyn - Construction (revised).urb924

Project Name: 455 W. Evelyn

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

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2011 TOTALS (lbs/day unmitigated)	7.73	62.77	50.64	0.05	24.58	3.41	27.02	5.14	3.13	7.39	9,125.66
2011 TOTALS (lbs/day mitigated)	7.73	51.02	50.64	0.05	15.00	2.20	16.66	3.14	2.02	4.67	9,125.66
2012 TOTALS (lbs/day unmitigated)	1.77	11.98	22.46	0.02	0.11	0.65	0.75	0.04	0.59	0.63	3,258.18
2012 TOTALS (lbs/day mitigated)	1.77	9.84	22.46	0.02	0.11	0.43	0.53	0.04	0.39	0.43	3,258.18
2013 TOTALS (lbs/day unmitigated)	118.56	11.02	22.24	0.02	0.11	0.58	0.69	0.04	0.53	0.57	3,398.39
2013 TOTALS (lbs/day mitigated)	48.42	9.04	22.24	0.02	0.11	0.39	0.50	0.04	0.35	0.39	3,398.39

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

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	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
Time Slice 8/1/2011-9/5/2011 Active Days: 26	1.42	12.52	7.35	0.01	6.30	0.74	7.04	1.31	0.68	1.99	1,636.31
Demolition 08/01/2011-09/06/2011	1.42	12.52	7.35	0.01	6.30	0.74	7.04	1.31	0.68	1.99	1,636.31
Fugitive Dust	0.00	0.00	0.00	0.00	6.26	0.00	6.26	1.30	0.00	1.30	0.00
Demo Off Road Diesel	1.05	7.22	4.58	0.00	0.00	0.55	0.55	0.00	0.50	0.50	700.30
Demo On Road Diesel	0.33	5.24	1.69	0.01	0.03	0.19	0.22	0.01	0.17	0.18	834.03
Demo Worker Trips	0.03	0.06	1.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.97
Time Slice 9/6/2011-9/6/2011 Active Days: 1	5.21	50.52	25.06	0.03	**24.58**	2.44	**27.02**	**5.14**	2.24	**7.39**	6,295.34
Demolition 08/01/2011-09/06/2011	1.42	12.52	7.35	0.01	6.30	0.74	7.04	1.31	0.68	1.99	1,636.31
Fugitive Dust	0.00	0.00	0.00	0.00	6.26	0.00	6.26	1.30	0.00	1.30	0.00
Demo Off Road Diesel	1.05	7.22	4.58	0.00	0.00	0.55	0.55	0.00	0.50	0.50	700.30
Demo On Road Diesel	0.33	5.24	1.69	0.01	0.03	0.19	0.22	0.01	0.17	0.18	834.03
Demo Worker Trips	0.03	0.06	1.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.97
Fine Grading 09/06/2011-11/18/2011	3.79	38.00	17.71	0.02	18.29	1.70	19.98	3.83	1.56	5.39	4,659.03
Fine Grading Dust	0.00	0.00	0.00	0.00	18.20	0.00	18.20	3.80	0.00	3.80	0.00
Fine Grading Off Road Diesel	2.83	23.44	11.96	0.00	0.00	1.17	1.17	0.00	1.08	1.08	2,247.32
Fine Grading On Road Diesel	0.92	14.50	4.69	0.02	0.08	0.52	0.61	0.03	0.48	0.51	2,309.74
Fine Grading Worker Trips	0.03	0.06	1.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.97

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Time Slice 9/7/2011-11/17/2011 Active Days: 52	3.79	38.00	17.71	0.02	18.29	1.70	19.98	3.83	1.56	5.39	4,659.03
Fine Grading 09/06/2011-11/18/2011	3.79	38.00	17.71	0.02	18.29	1.70	19.98	3.83	1.56	5.39	4,659.03
Fine Grading Dust	0.00	0.00	0.00	0.00	18.20	0.00	18.20	3.80	0.00	3.80	0.00
Fine Grading Off Road Diesel	2.83	23.44	11.96	0.00	0.00	1.17	1.17	0.00	1.08	1.08	2,247.32
Fine Grading On Road Diesel	0.92	14.50	4.69	0.02	0.08	0.52	0.61	0.03	0.48	0.51	2,309.74
Fine Grading Worker Trips	0.03	0.06	1.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.97
Time Slice 11/18/2011-11/18/2011 Active Days: 1	7.73	62.77	50.64	0.05	18.40	3.41	21.81	3.87	3.13	7.00	9,125.66
Asphalt 11/18/2011-12/18/2011	2.02	11.68	8.89	0.00	0.01	0.99	1.00	0.00	0.91	0.92	1,209.40
Paving Off-Gas	0.11	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	11.26	6.91	0.00	0.00	0.98	0.98	0.00	0.90	0.90	979.23
Paving On Road Diesel	0.02	0.32	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	51.72
Paving Worker Trips	0.06	0.10	1.87	0.00	0.01	0.00	0.01	0.00	0.00	0.01	178.46
Building 11/18/2011-07/30/2013	1.92	13.09	24.03	0.02	0.11	0.72	0.82	0.04	0.66	0.69	3,257.23
Building Off Road Diesel	1.11	8.51	4.68	0.00	0.00	0.54	0.54	0.00	0.50	0.50	893.39
Building Vendor Trips	0.28	3.67	2.87	0.01	0.03	0.14	0.17	0.01	0.12	0.13	792.62
Building Worker Trips	0.53	0.91	16.49	0.02	0.08	0.04	0.12	0.03	0.03	0.06	1,571.23
Fine Grading 09/06/2011-11/18/2011	3.79	38.00	17.71	0.02	18.29	1.70	19.98	3.83	1.56	5.39	4,659.03
Fine Grading Dust	0.00	0.00	0.00	0.00	18.20	0.00	18.20	3.80	0.00	3.80	0.00
Fine Grading Off Road Diesel	2.83	23.44	11.96	0.00	0.00	1.17	1.17	0.00	1.08	1.08	2,247.32
Fine Grading On Road Diesel	0.92	14.50	4.69	0.02	0.08	0.52	0.61	0.03	0.48	0.51	2,309.74
Fine Grading Worker Trips	0.03	0.06	1.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.97

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Time Slice 11/21/2011-12/16/2011 Active Days: 20	3.94	24.77	32.92	0.02	0.12	1.71	1.83	0.04	1.57	1.61	4,466.63
Asphalt 11/18/2011-12/18/2011	2.02	11.68	8.89	0.00	0.01	0.99	1.00	0.00	0.91	0.92	1,209.40
Paving Off-Gas	0.11	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	11.26	6.91	0.00	0.00	0.98	0.98	0.00	0.90	0.90	979.23
Paving On Road Diesel	0.02	0.32	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	51.72
Paving Worker Trips	0.06	0.10	1.87	0.00	0.01	0.00	0.01	0.00	0.00	0.01	178.46
Building 11/18/2011-07/30/2013	1.92	13.09	24.03	0.02	0.11	0.72	0.82	0.04	0.66	0.69	3,257.23
Building Off Road Diesel	1.11	8.51	4.68	0.00	0.00	0.54	0.54	0.00	0.50	0.50	893.39
Building Vendor Trips	0.28	3.67	2.87	0.01	0.03	0.14	0.17	0.01	0.12	0.13	792.62
Building Worker Trips	0.53	0.91	16.49	0.02	0.08	0.04	0.12	0.03	0.03	0.06	1,571.23
Time Slice 12/19/2011-12/30/2011 Active Days: 10	1.92	13.09	24.03	0.02	0.11	0.72	0.82	0.04	0.66	0.69	3,257.23
Building 11/18/2011-07/30/2013	1.92	13.09	24.03	0.02	0.11	0.72	0.82	0.04	0.66	0.69	3,257.23
Building Off Road Diesel	1.11	8.51	4.68	0.00	0.00	0.54	0.54	0.00	0.50	0.50	893.39
Building Vendor Trips	0.28	3.67	2.87	0.01	0.03	0.14	0.17	0.01	0.12	0.13	792.62
Building Worker Trips	0.53	0.91	16.49	0.02	0.08	0.04	0.12	0.03	0.03	0.06	1,571.23
Time Slice 1/2/2012-12/31/2012 Active Days: 261	1.77	11.98	22.46	0.02	0.11	0.65	0.75	0.04	0.59	0.63	3,258.18
Building 11/18/2011-07/30/2013	1.77	11.98	22.46	0.02	0.11	0.65	0.75	0.04	0.59	0.63	3,258.18
Building Off Road Diesel	1.03	7.87	4.56	0.00	0.00	0.49	0.49	0.00	0.45	0.45	893.39
Building Vendor Trips	0.25	3.27	2.68	0.01	0.03	0.12	0.15	0.01	0.11	0.12	792.63
Building Worker Trips	0.48	0.83	15.21	0.02	0.08	0.04	0.12	0.03	0.03	0.06	1,572.16

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Time Slice 1/1/2013-5/28/2013 Active Days: 106	1.62	10.95	20.99	0.02	0.11	0.58	0.68	0.04	0.52	0.56	3,259.11
Building 11/18/2011-07/30/2013	1.62	10.95	20.99	0.02	0.11	0.58	0.68	0.04	0.52	0.56	3,259.11
Building Off Road Diesel	0.95	7.29	4.48	0.00	0.00	0.43	0.43	0.00	0.39	0.39	893.39
Building Vendor Trips	0.23	2.91	2.50	0.01	0.03	0.11	0.14	0.01	0.10	0.11	792.67
Building Worker Trips	0.44	0.76	14.01	0.02	0.08	0.04	0.12	0.03	0.03	0.06	1,573.05
Time Slice 5/29/2013-7/30/2013 Active Days: 45	**118.56**	11.02	22.24	0.02	0.11	0.58	0.69	0.04	0.53	0.57	3,398.39
Building 11/18/2011-07/30/2013	1.62	10.95	20.99	0.02	0.11	0.58	0.68	0.04	0.52	0.56	3,259.11
Building Off Road Diesel	0.95	7.29	4.48	0.00	0.00	0.43	0.43	0.00	0.39	0.39	893.39
Building Vendor Trips	0.23	2.91	2.50	0.01	0.03	0.11	0.14	0.01	0.10	0.11	792.67
Building Worker Trips	0.44	0.76	14.01	0.02	0.08	0.04	0.12	0.03	0.03	0.06	1,573.05
Coating 05/29/2013-07/30/2013	116.94	0.07	1.24	0.00	0.01	0.00	0.01	0.00	0.00	0.01	139.28
Architectural Coating	116.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.04	0.07	1.24	0.00	0.01	0.00	0.01	0.00	0.00	0.01	139.28

Phase Assumptions

Phase: Demolition 8/1/2011 - 9/6/2011 - Type Your Description Here

Building Volume Total (cubic feet): 532700

Building Volume Daily (cubic feet): 14915.6

On Road Truck Travel (VMT): 207.16

Off-Road Equipment:

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

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

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

Phase: Fine Grading 9/6/2011 - 11/18/2011 - Default Fine Site Grading Description

Total Acres Disturbed: 3.64

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Maximum Daily Acreage Disturbed: 0.91

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 573.7

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

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

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

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

Phase: Paving 11/18/2011 - 12/18/2011 - Default Paving Description

Acres to be Paved: 0.91

Off-Road Equipment:

4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

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

Phase: Building Construction 11/18/2011 - 7/30/2013 - Default Building Construction Description

Off-Road Equipment:

1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day

2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Architectural Coating 5/29/2013 - 7/30/2013 - 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

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Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
Time Slice 8/1/2011-9/5/2011 Active Days: 26	1.42	10.55	7.35	0.01	6.30	0.49	6.79	1.31	0.45	1.77	1,636.31
Demolition 08/01/2011-09/06/2011	1.42	10.55	7.35	0.01	6.30	0.49	6.79	1.31	0.45	1.77	1,636.31
Fugitive Dust	0.00	0.00	0.00	0.00	6.26	0.00	6.26	1.30	0.00	1.30	0.00
Demo Off Road Diesel	1.05	5.26	4.58	0.00	0.00	0.30	0.30	0.00	0.28	0.28	700.30
Demo On Road Diesel	0.33	5.24	1.69	0.01	0.03	0.19	0.22	0.01	0.17	0.18	834.03
Demo Worker Trips	0.03	0.06	1.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.97
Time Slice 9/6/2011-9/6/2011 Active Days: 1	5.21	42.18	25.06	0.03	15.00	1.66	16.66	3.14	1.53	4.67	6,295.34
Demolition 08/01/2011-09/06/2011	1.42	10.55	7.35	0.01	6.30	0.49	6.79	1.31	0.45	1.77	1,636.31
Fugitive Dust	0.00	0.00	0.00	0.00	6.26	0.00	6.26	1.30	0.00	1.30	0.00
Demo Off Road Diesel	1.05	5.26	4.58	0.00	0.00	0.30	0.30	0.00	0.28	0.28	700.30
Demo On Road Diesel	0.33	5.24	1.69	0.01	0.03	0.19	0.22	0.01	0.17	0.18	834.03
Demo Worker Trips	0.03	0.06	1.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.97
Fine Grading 09/06/2011-11/18/2011	3.79	31.62	17.71	0.02	8.70	1.17	9.87	1.83	1.08	2.90	4,659.03
Fine Grading Dust	0.00	0.00	0.00	0.00	8.61	0.00	8.61	1.80	0.00	1.80	0.00
Fine Grading Off Road Diesel	2.83	17.06	11.96	0.00	0.00	0.64	0.64	0.00	0.59	0.59	2,247.32
Fine Grading On Road Diesel	0.92	14.50	4.69	0.02	0.08	0.52	0.61	0.03	0.48	0.51	2,309.74
Fine Grading Worker Trips	0.03	0.06	1.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.97

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Time Slice 9/7/2011-11/17/2011 Active Days: 52	3.79	31.62	17.71	0.02	8.70	1.17	9.87	1.83	1.08	2.90	4,659.03
Fine Grading 09/06/2011-11/18/2011	3.79	31.62	17.71	0.02	8.70	1.17	9.87	1.83	1.08	2.90	4,659.03
Fine Grading Dust	0.00	0.00	0.00	0.00	8.61	0.00	8.61	1.80	0.00	1.80	0.00
Fine Grading Off Road Diesel	2.83	17.06	11.96	0.00	0.00	0.64	0.64	0.00	0.59	0.59	2,247.32
Fine Grading On Road Diesel	0.92	14.50	4.69	0.02	0.08	0.52	0.61	0.03	0.48	0.51	2,309.74
Fine Grading Worker Trips	0.03	0.06	1.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.97
Time Slice 11/18/2011-11/18/2011 Active Days: 1	7.73	51.02	50.64	0.05	8.81	2.20	11.01	1.87	2.02	3.89	9,125.66
Asphalt 11/18/2011-12/18/2011	2.02	8.62	8.89	0.00	0.01	0.55	0.56	0.00	0.51	0.51	1,209.40
Paving Off-Gas	0.11	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	8.19	6.91	0.00	0.00	0.54	0.54	0.00	0.49	0.49	979.23
Paving On Road Diesel	0.02	0.32	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	51.72
Paving Worker Trips	0.06	0.10	1.87	0.00	0.01	0.00	0.01	0.00	0.00	0.01	178.46
Building 11/18/2011-07/30/2013	1.92	10.78	24.03	0.02	0.11	0.47	0.58	0.04	0.43	0.47	3,257.23
Building Off Road Diesel	1.11	6.19	4.68	0.00	0.00	0.30	0.30	0.00	0.27	0.27	893.39
Building Vendor Trips	0.28	3.67	2.87	0.01	0.03	0.14	0.17	0.01	0.12	0.13	792.62
Building Worker Trips	0.53	0.91	16.49	0.02	0.08	0.04	0.12	0.03	0.03	0.06	1,571.23
Fine Grading 09/06/2011-11/18/2011	3.79	31.62	17.71	0.02	8.70	1.17	9.87	1.83	1.08	2.90	4,659.03
Fine Grading Dust	0.00	0.00	0.00	0.00	8.61	0.00	8.61	1.80	0.00	1.80	0.00
Fine Grading Off Road Diesel	2.83	17.06	11.96	0.00	0.00	0.64	0.64	0.00	0.59	0.59	2,247.32
Fine Grading On Road Diesel	0.92	14.50	4.69	0.02	0.08	0.52	0.61	0.03	0.48	0.51	2,309.74
Fine Grading Worker Trips	0.03	0.06	1.07	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.97

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Time Slice 11/21/2011-12/16/2011 Active Days: 20	3.94	19.40	32.92	0.02	0.12	1.03	1.14	0.04	0.94	0.98	4,466.63
Asphalt 11/18/2011-12/18/2011	2.02	8.62	8.89	0.00	0.01	0.55	0.56	0.00	0.51	0.51	1,209.40
Paving Off-Gas	0.11	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	8.19	6.91	0.00	0.00	0.54	0.54	0.00	0.49	0.49	979.23
Paving On Road Diesel	0.02	0.32	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	51.72
Paving Worker Trips	0.06	0.10	1.87	0.00	0.01	0.00	0.01	0.00	0.00	0.01	178.46
Building 11/18/2011-07/30/2013	1.92	10.78	24.03	0.02	0.11	0.47	0.58	0.04	0.43	0.47	3,257.23
Building Off Road Diesel	1.11	6.19	4.68	0.00	0.00	0.30	0.30	0.00	0.27	0.27	893.39
Building Vendor Trips	0.28	3.67	2.87	0.01	0.03	0.14	0.17	0.01	0.12	0.13	792.62
Building Worker Trips	0.53	0.91	16.49	0.02	0.08	0.04	0.12	0.03	0.03	0.06	1,571.23
Time Slice 12/19/2011-12/30/2011 Active Days: 10	1.92	10.78	24.03	0.02	0.11	0.47	0.58	0.04	0.43	0.47	3,257.23
Building 11/18/2011-07/30/2013	1.92	10.78	24.03	0.02	0.11	0.47	0.58	0.04	0.43	0.47	3,257.23
Building Off Road Diesel	1.11	6.19	4.68	0.00	0.00	0.30	0.30	0.00	0.27	0.27	893.39
Building Vendor Trips	0.28	3.67	2.87	0.01	0.03	0.14	0.17	0.01	0.12	0.13	792.62
Building Worker Trips	0.53	0.91	16.49	0.02	0.08	0.04	0.12	0.03	0.03	0.06	1,571.23
Time Slice 1/2/2012-12/31/2012 Active Days: 261	1.77	9.84	22.46	0.02	0.11	0.43	0.53	0.04	0.39	0.43	3,258.18
Building 11/18/2011-07/30/2013	1.77	9.84	22.46	0.02	0.11	0.43	0.53	0.04	0.39	0.43	3,258.18
Building Off Road Diesel	1.03	5.73	4.56	0.00	0.00	0.27	0.27	0.00	0.25	0.25	893.39
Building Vendor Trips	0.25	3.27	2.68	0.01	0.03	0.12	0.15	0.01	0.11	0.12	792.63
Building Worker Trips	0.48	0.83	15.21	0.02	0.08	0.04	0.12	0.03	0.03	0.06	1,572.16

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Time Slice 1/1/2013-5/28/2013 Active Days: 106	1.62	8.97	20.99	0.02	0.11	0.38	0.49	0.04	0.35	0.39	3,259.11
Building 11/18/2011-07/30/2013	1.62	8.97	20.99	0.02	0.11	0.38	0.49	0.04	0.35	0.39	3,259.11
Building Off Road Diesel	0.95	5.31	4.48	0.00	0.00	0.23	0.23	0.00	0.22	0.22	893.39
Building Vendor Trips	0.23	2.91	2.50	0.01	0.03	0.11	0.14	0.01	0.10	0.11	792.67
Building Worker Trips	0.44	0.76	14.01	0.02	0.08	0.04	0.12	0.03	0.03	0.06	1,573.05
Time Slice 5/29/2013-7/30/2013 Active Days: 45	48.42	9.04	22.24	0.02	0.11	0.39	0.50	0.04	0.35	0.39	3,398.39
Building 11/18/2011-07/30/2013	1.62	8.97	20.99	0.02	0.11	0.38	0.49	0.04	0.35	0.39	3,259.11
Building Off Road Diesel	0.95	5.31	4.48	0.00	0.00	0.23	0.23	0.00	0.22	0.22	893.39
Building Vendor Trips	0.23	2.91	2.50	0.01	0.03	0.11	0.14	0.01	0.10	0.11	792.67
Building Worker Trips	0.44	0.76	14.01	0.02	0.08	0.04	0.12	0.03	0.03	0.06	1,573.05
Coating 05/29/2013-07/30/2013	46.80	0.07	1.24	0.00	0.01	0.00	0.01	0.00	0.00	0.01	139.28
Architectural Coating	46.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.04	0.07	1.24	0.00	0.01	0.00	0.01	0.00	0.00	0.01	139.28

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Demolition 8/1/2011 - 9/6/2011 - Type Your Description Here

For Concrete/Industrial Saws, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

For Concrete/Industrial Saws, the Diesel Oxidation Catalyst 15% mitigation reduces emissions by:

NOX: 9%

For Rubber Tired Dozers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

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

NOX: 9%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

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

NOX: 9%

The following mitigation measures apply to Phase: Fine Grading 9/6/2011 - 11/18/2011 - Default Fine Site Grading Description

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

PM10: 55% PM25: 55%

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

PM10: 44% PM25: 44%

For Graders, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

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

NOX: 9%

For Rubber Tired Dozers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

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

NOX: 9%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

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

NOX: 9%

For Water Trucks, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

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

NOX: 9%

The following mitigation measures apply to Phase: Paving 11/18/2011 - 12/18/2011 - Default Paving Description

For Cement and Mortar Mixers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

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

NOX: 9%

For Pavers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

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

NOX: 9%

For Rollers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

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

NOX: 9%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

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

NOX: 9%

The following mitigation measures apply to Phase: Building Construction 11/18/2011 - 7/30/2013 - Default Building Construction Description

For Cranes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

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

NOX: 9%

For Forklifts, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

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

NOX: 9%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

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

NOX: 9%

The following mitigation measures apply to Phase: Architectural Coating 5/29/2013 - 7/30/2013 - Default Architectural Coating Description

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

ROG: 60%

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

ROG: 60%

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: P:\CMT0901 455 W Evelyn\Background\455 W Evelyn - Existing - GHG Emissions.urb924

Project Name: 455 W. Evelyn

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:

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (tons/year, unmitigated)	0.09	0.08	0.35	0.00	0.00	0.00	101.76

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (tons/year, unmitigated)	1.06	1.29	12.63	0.02	4.05	0.76	2,165.33

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (tons/year, unmitigated)	1.15	1.37	12.98	0.02	4.05	0.76	2,267.09

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.01	0.08	0.07	0.00	0.00	0.00	101.25
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscape	0.02	0.00	0.28	0.00	0.00	0.00	0.51
Consumer Products	0.00						
Architectural Coatings	0.06						
TOTALS (tons/year, unmitigated)	0.09	0.08	0.35	0.00	0.00	0.00	101.76

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Hardware/paint store	0.89	1.10	10.71	0.02	3.45	0.65	1,840.96
Office park	0.17	0.19	1.92	0.00	0.60	0.11	324.37
TOTALS (tons/year, unmitigated)	1.06	1.29	12.63	0.02	4.05	0.76	2,165.33

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2020 Season: Annual

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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
Hardware/paint store		45.16	1000 sq ft	33.00	1,490.28	11,017.64
Office park		10.68	1000 sq ft	21.50	229.62	1,924.67
					1,719.90	12,942.31

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.0	0.0	100.0	0.0
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
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

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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)						
Hardware/paint store				2.0	1.0	97.0
Office park				48.0	24.0	28.0