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Urbemis 2007 Version 9.2.2

Summary Report for Summer Emissions (Pounds/Day)

File Name: C:\Documents and Settings\mberman\Application Data\Urbemis\Version9a\Projects\Paseo de la Playa Sites #1 and #3 existing.urb9

Project Name: Paaseo De La Playa Site 1 +3 existing

Project Location: Santa Barbara County APCD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

EXHIBIT DD

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
OTALS (lbs/day unmitigated)	7.54	50.52	29.11	0.00	45.22	3.17	48.39	9.45	2.91	12.36	3,966.11
OTALS (lbs/day unmitigated)	207.29	82.19	75.05	0.04	45.37	4.91	50.28	9.50	4.50	14.00	9,041.17

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	1.34	0.83	2.28	0.00	0.00	0.00	969.19

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	8.16	10.64	81.46	0.05	9.62	1.89	5,134.58

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SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	9.50	11.47	83.74	0.05	9.62	1.89	6,103.77

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Summary Report for Summer Emissions (Pounds/Day)

File Name: C:\Documents and Settings\mberman\Application Data\Urbemis\Version9a\Projects\Paseo de La Playa Site #2 Existing.urb9

Project Name: Paseo de la Playa Site 2 Existing

Project Location: Santa Barbara County APCD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2007 TOTALS (lbs/day unmitigated)	6.12	44.14	25.91	0.00	3.41	2.71	6.12	0.71	2.49	3.21	3,476.06
2008 TOTALS (lbs/day unmitigated)	7.17	52.26	30.52	0.00	3.41	3.24	6.65	0.72	2.98	3.69	4,399.47

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.15	0.03	0.10	0.00	0.00	0.00	32.13

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.18	0.26	2.10	0.00	0.24	0.05	129.94

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SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.33	0.29	2.20	0.00	0.24	0.05	162.07

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

File Name: C:\Documents and Settings\mberman\Application Data\Urbemis\Version9a\Projects\Paseo de la Playa Site #1.urb9

Project Name: Paseo De La Playa Site 1

Project Location: Santa Barbara County APCD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2008 TOTAL	0.36	2.09	1.76	0.00	0.96	0.13	1.09	0.20	0.12	0.32	210.84
Demolition 04/12/2008-05/12/2008	0.01	0.09	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01	8.25
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	0.01	0.09	0.05	0.00	0.00	0.01	0.01	0.00	0.01	0.01	7.35
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	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90
Mass Grading 05/12/2008-08/12/2008	0.11	0.94	0.51	0.00	0.96	0.05	1.01	0.20	0.04	0.24	78.15
Mass Grading Dust	0.00	0.00	0.00	0.00	0.96	0.00	0.96	0.20	0.00	0.20	0.00
Mass Grading Off Road Diesel	0.11	0.94	0.45	0.00	0.00	0.05	0.05	0.00	0.04	0.04	75.29
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.86
Building 08/12/2008-08/12/2009	0.24	1.06	1.19	0.00	0.00	0.07	0.07	0.00	0.07	0.07	124.44
Building Off Road Diesel	0.21	0.93	0.60	0.00	0.00	0.07	0.07	0.00	0.06	0.06	82.68
Building Vendor Trips	0.01	0.09	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.01
Building Worker Trips	0.02	0.04	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.75

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2009 TOTAL	1.71	2.65	2.97	0.00	0.01	0.18	0.19	0.00	0.17	0.17	326.64
Building 08/12/2008-08/12/2009	0.35	1.57	1.78	0.00	0.00	0.11	0.11	0.00	0.10	0.10	195.17
Building Off Road Diesel	0.31	1.39	0.92	0.00	0.00	0.10	0.10	0.00	0.09	0.09	129.70
Building Vendor Trips	0.01	0.13	0.10	0.00	0.00	0.00	0.01	0.00	0.00	0.00	20.41
Building Worker Trips	0.03	0.06	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.06
Coating 07/13/2009-07/31/2009	1.13	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12
Architectural Coating	1.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12
Asphalt 08/12/2009-08/24/2009	0.02	0.08	0.06	0.00	0.00	0.01	0.01	0.00	0.01	0.01	7.15
Paving Off-Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.01	0.08	0.04	0.00	0.00	0.01	0.01	0.00	0.01	0.01	5.72
Paving On Road Diesel	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66
Paving Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77
Building 08/13/2009-08/13/2010	0.22	0.99	1.12	0.00	0.00	0.07	0.07	0.00	0.06	0.06	123.20
Building Off Road Diesel	0.20	0.88	0.58	0.00	0.00	0.06	0.06	0.00	0.06	0.06	81.87
Building Vendor Trips	0.01	0.08	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.88
Building Worker Trips	0.02	0.04	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.45
2010 TOTAL	0.33	1.50	1.70	0.00	0.00	0.10	0.10	0.00	0.09	0.09	196.37
Building 08/13/2009-08/13/2010	0.33	1.50	1.70	0.00	0.00	0.10	0.10	0.00	0.09	0.09	196.37
Building Off Road Diesel	0.29	1.33	0.90	0.00	0.00	0.10	0.10	0.00	0.09	0.09	130.51
Building Vendor Trips	0.01	0.12	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.54
Building Worker Trips	0.03	0.05	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.33

Phase Assumptions

Phase: Demolition 4/12/2008 - 5/12/2008 - 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:

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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: Mass Grading 5/12/2008 - 8/12/2008 - Default Fine Site Grading Description
Total Acres Disturbed: 5.72
Maximum Daily Acreage Disturbed: 1.43
Fugitive Dust Level of Detail: Default
  20 lbs per acre-day
On Road Truck Travel (VMT): 0
Off-Road Equipment:
1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 8/12/2009 - 8/24/2009 - Default Paving Description
Acres to be Paved: 1.43
Off-Road Equipment:
4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
1 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day
1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 8/12/2008 - 8/12/2009 - Default Building Construction Description
Off-Road Equipment:
1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Building Construction 8/13/2009 - 8/13/2010 - Type Your Description Here
Off-Road Equipment:

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1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Architectural Coating 7/13/2009 - 7/31/2009 - 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