APPENDIX B
AIR QUALITY DATA

Appendix A

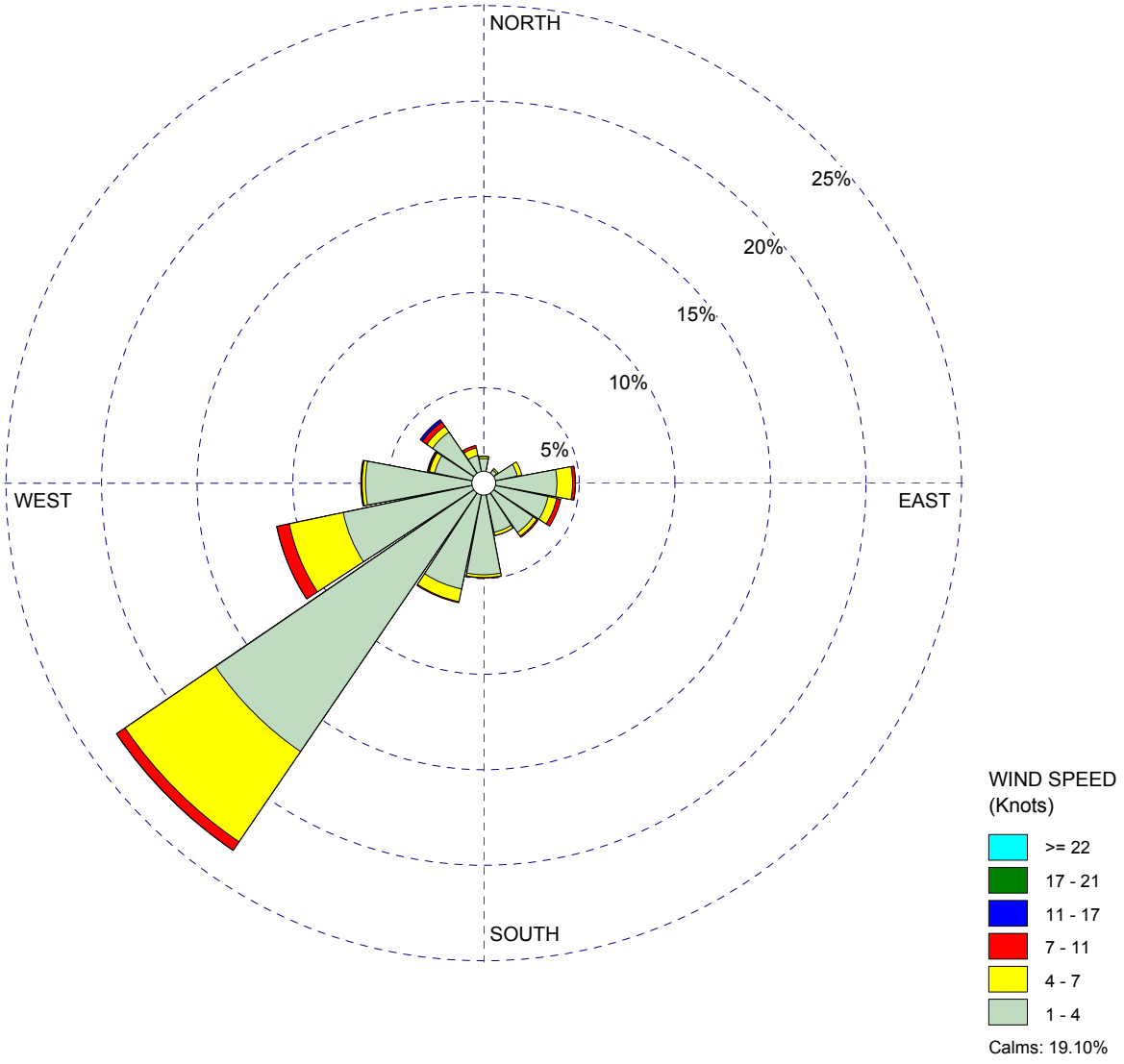
Wind and Climate Information

WIND ROSE PLOT:

Domain Project Recirculated Draft EIR
West Hollywood Wind Monitoring Station

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD: **Start Date: 1/1/1981 - 00:00** **End Date: 12/31/1981 - 23:00**	COMPANY NAME:	
		MODELER:	
	CALM WINDS: **19.10%**	TOTAL COUNT: **8760 hrs.**	
	AVG. WIND SPEED: **2.41 Knots**	DATE: **9/10/2012**	PROJECT NO.: **2012-017**

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NOTE:
To print data frame (right side), click on right frame before printing.

1981 - 2010

- Daily Temp. & Precip.
- Daily Tabular data (~23 KB)
- Monthly Tabular data (~1 KB)
- NCDC 1981-2010 Normals (~3 KB)

1971 - 2000

- Daily Temp. & Precip.
- Daily Tabular data (~23 KB)
- Monthly Tabular data (~1 KB)
- NCDC 1971-2000 Normals (~3 KB)

1961 - 1990

- Daily Temp. & Precip.
- Daily Tabular data (~23 KB)
- Monthly Tabular data (~1 KB)
- NCDC 1961-1990 Normals (~3 KB)

Period of Record

- Station Metadata
- Station Metadata Graphics

General Climate Summary Tables
- Temperature
- Precipitation
- Heating Degree Days
- Cooling Degree Days
- Growing Degree Days

Temperature
- Daily Extremes and Averages
- Spring 'Freeze' Probabilities
- Fall 'Freeze' Probabilities
- 'Freeze Free' Probabilities
- Monthly Temperature Listings
  - Average
  - Average Maximum
  - Average Minimum
  - Extreme Maximum(*)
  - Extreme Minimum(*)

Precipitation
- Monthly Average
- Daily Extreme and Average
- Daily Average
- Precipitation Probability by Duration.
- Precipitation Probability by Quantity.
- Monthly Precipitation Listings
  - Monthly Totals
  - Daily Extreme(*) **Snowfall**
- Daily Extreme and Average
- Daily Average

BURBANK VALLEY PUMP PLA, CALIFORNIA

Period of Record General Climate Summary - Temperature

Station:(041194) BURBANK VALLEY PUMP PLA

From Year=1939 To Year=2006

	Monthly Averages			Daily Extremes				Monthly Extremes				Max. Temp.		Min. Temp.	
	Max.	Min.	Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F	<= 32 F	<= 0 F
	F	F	F	F	dd/yyyy or yyyymmdd	F	dd/yyyy or yyyymmdd	F	-	F	-	# Days	# Days	# Days	# Days
January	67.3	41.6	54.4	93	31/2003	22	29/1979	63.4	2003	45.1	1949	0.1	0.0	1.7	0.0
February	68.8	43.6	56.2	92	16/1977	27	15/1942	61.9	1954	50.7	1949	0.2	0.0	0.6	0.0
March	70.4	45.7	58.0	98	26/1988	22	07/1980	64.5	2004	52.7	1952	0.4	0.0	0.4	0.0
April	73.9	49.0	61.5	105	06/1989	32	05/1978	68.1	1989	53.4	1967	1.7	0.0	0.0	0.0
May	76.7	53.4	65.1	107	29/1984	39	21/1975	71.8	1984	60.6	1998	2.4	0.0	0.0	0.0
June	81.5	57.2	69.3	111	27/1976	43	14/1943	77.7	1981	64.0	1944	4.8	0.0	0.0	0.0
July	88.5	61.0	74.7	108	26/1943	45	02/1979	79.7	1984	69.0	1944	13.6	0.0	0.0	0.0
August	89.2	61.3	75.2	111	26/1944	46	28/1975	80.4	1994	71.7	1948	14.6	0.0	0.0	0.0
September	87.2	59.1	73.2	113	12/1971	43	26/1941	81.4	1984	67.3	1986	11.8	0.0	0.0	0.0
October	81.0	53.3	67.1	108	01/1980	33	30/1971	72.3	1991	62.7	2002	5.9	0.0	0.0	0.0
November	73.5	45.9	59.7	98	03/1976	29	30/1975	65.0	1949	54.0	1994	1.0	0.0	0.2	0.0
December	68.0	41.7	54.9	92	03/1958	22	08/1978	59.6	1958	49.3	1971	0.0	0.0	1.4	0.0
Annual	77.2	51.1	64.1	113	19710912	22	19781208	66.7	1984	61.9	1944	56.5	0.0	4.2	0.0
Winter	68.1	42.3	55.2	93	20030131	22	19781208	59.1	1981	48.6	1949	0.3	0.0	3.6	0.0
Spring	73.7	49.4	61.5	107	19840529	22	19800307	66.1	1993	58.2	1999	4.4	0.0	0.4	0.0
Summer	86.4	59.8	73.1	111	19440826	43	19430614	77.3	1981	69.1	1944	33.0	0.0	0.0	0.0
Fall	80.6	52.8	66.7	113	19710912	29	19751130	70.2	1991	63.9	1973	18.7	0.0	0.2	0.0

Table updated on Jul 28, 2006
For monthly and annual means, thresholds, and sums:
Months with 5 or more missing days are not considered
Years with 1 or more missing months are not considered
Seasons are climatological not calendar seasons
Winter = Dec., Jan., and Feb. Spring = Mar., Apr., and May
Summer = Jun., Jul., and Aug. Fall = Sep., Oct., and Nov.

Western Regional Climate Center, wrcc@dri.edu

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- Daily Temp. & Precip.
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1961 - 1990

- Daily Temp. & Precip.
- Daily Tabular data (~23 KB)
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  - Extreme Minimum(*)

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- Monthly Average
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- Daily Average
- Precipitation Probability by Duration.

BURBANK VALLEY PUMP PLA, CALIFORNIA

Period of Record General Climate Summary - Precipitation

Station:(041194) BURBANK VALLEY PUMP PLA

From Year=1939 To Year=2006

	Precipitation											Total Snowfall		
	Mean	High	Year	Low	Year	1 Day Max.		>= 0.01 in.	>= 0.10 in.	>= 0.50 in.	>= 1.00 in.	Mean	High	Year
	in.	in.	-	in.	-	in.	dd/yyyy or yyyymmdd	# Days	# Days	# Days	# Days	in.	in.	-
January	3.37	15.92	1995	0.00	1948	7.76	22/1943	6	4	2	1	0.1	4.7	1949
February	3.94	15.52	1998	0.00	1964	4.50	08/1993	6	4	2	1	0.0	0.0	1940
March	2.91	12.87	1978	0.00	1956	5.45	01/1983	6	4	2	1	0.0	0.5	1950
April	1.18	5.66	1965	0.00	1962	2.30	12/1956	4	2	1	0	0.0	0.0	1940
May	0.28	4.37	1998	0.00	1942	2.29	08/1977	2	1	0	0	0.0	0.0	1940
June	0.07	1.04	1993	0.00	1940	1.01	05/1993	1	0	0	0	0.0	0.0	1940
July	0.01	0.21	1986	0.00	1940	0.18	12/1992	0	0	0	0	0.0	0.0	1940
August	0.11	2.97	1977	0.00	1940	2.86	17/1977	1	0	0	0	0.0	0.0	1940
September	0.20	3.39	1976	0.00	1940	1.43	10/1976	1	1	0	0	0.0	0.0	1940
October	0.59	7.26	2004	0.00	1953	3.00	19/2004	2	1	0	0	0.0	0.0	1940
November	1.54	10.63	1965	0.00	1948	5.28	29/1970	3	2	1	0	0.0	0.0	1940
December	2.30	8.07	1940	0.00	1950	5.30	29/1965	5	3	2	1	0.0	0.0	1939
Annual	16.51	39.77	1983	3.52	1947	7.76	19430122	36	23	10	5	0.1	4.7	1949
Winter	9.62	32.33	2005	1.81	1961	7.76	19430122	17	12	6	3	0.1	4.7	1949
Spring	4.37	18.19	1983	0.00	1997	5.45	19830301	12	7	3	1	0.0	0.5	1950
Summer	0.19	2.97	1977	0.00	1940	2.86	19770817	2	0	0	0	0.0	0.0	1940
Fall	2.33	11.38	1965	0.00	1980	5.28	19701129	6	4	2	1	0.0	0.0	1940

Table updated on Jul 28, 2006

For monthly and annual means, thresholds, and sums:
Months with 5 or more missing days are not considered
Years with 1 or more missing months are not considered
Seasons are climatological not calendar seasons
Winter = Dec., Jan., and Feb. Spring = Mar., Apr., and May
Summer = Jun., Jul., and Aug. Fall = Sep., Oct., and Nov.

Western Regional Climate Center, wrcc@dri.edu

Appendix B

Ambient Air Data

Top 4 Summary: Highest 4 Daily 24-Hour PM2.5 Averages

at Los Angeles-North Main Street

	2009		2010		2011	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
National:						
First High:	Jan 1	61.6	Nov 17	48.6	Nov 1	69.2
Second High:	Jan 2	53.8	Feb 2	40.7	Oct 19	50.8
Third High:	Mar 19	53.0	Oct 14	39.2	Dec 31	49.3
Fourth High:	Mar 20	45.3	Feb 18	37.5	Dec 30	44.1
California:						
First High:	Jan 1	64.1	Oct 14	39.2	Dec 31	49.3
Second High:	Jan 2	53.8	Feb 18	37.5	Dec 30	44.1
Third High:	Mar 19	53.0	Dec 4	33.9	Oct 24	41.7
Fourth High:	Mar 20	46.6	Feb 1	31.3	Oct 23	39.6
National:						
Estimated # Days > 24-Hour Std:		7.0		5.0		8.1
Measured # Days > 24-Hour Std:		7		5		8
24-Hour Standard Design Value:		42		35		34
24-Hour Standard 98th Percentile:		33.9		31.3		35.8
Annual Standard Design Value:		15.8		14.4		13.5
Annual Average:		14.4		12.6		13.5
California:						
Annual Std Designation Value:		16		16		16
Annual Average:		15.6		12.6		13.3
Year Coverage:		100		100		97

◄ Shift Backward [1 year] Shift Forward ►

Notes:

Daily PM2.5 averages and related statistics are available at Los Angeles-North Main Street between 1999 and 2011. Some years in this range may not be represented.

All averages expressed in micrograms per cubic meter.

yellow exceeds a California ambient air quality standard. orange exceeds a national ambient air quality standard.

An exceedance of a standard is not necessarily related to a violation of the standard.

State statistics are based on California approved samplers, whereas national statistics are based on samplers using federal reference or equivalent methods. State and national statistics may therefore be based on different samplers.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

Available Pollutants:

8-Hour Ozone | Hourly Ozone | PM2.5 | PM10 | Carbon Monoxide | Nitrogen Dioxide | State Sulfur Dioxide | Hydrogen Sulfide

Top 4 Summary: Highest 4 Daily 24-Hour PM10 Averages

at Los Angeles-North Main Street

	2009		2010		2011	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
National:						
First High:	Jan 1	72.0	Jul 1	42.0	Oct 24	53.0
Second High:	Oct 28	62.0	Aug 24	41.0	Dec 29	50.0
Third High:	Mar 20	57.0	Dec 4	41.0	Oct 18	45.0
Fourth High:	Jan 7	53.0	Dec 10	41.0	Apr 15	44.0
California:						
First High:	Jan 1	70.0	Jul 1	41.0	Oct 24	53.0
Second High:	Oct 28	61.0	Dec 4	41.0	Dec 29	49.0
Third High:	Mar 20	56.0	Feb 1	40.0	Apr 15	44.0
Fourth High:	Jan 7	51.0	Aug 24	40.0	Oct 18	44.0
National:						
Estimated # Days > 24-Hour Std:		0.0		0.0		0.0
Measured # Days > 24-Hour Std:		0		0		0
3-Yr Avg Est # Days > 24-Hr Std:		*		*		0.0
Annual Average:		*33.1*		*27.1*		*29.0*
3-Year Average:		*30*		*28*		*30*
California:						
Estimated # Days > 24-Hour Std:		24.1		*		6.5
Measured # Days > 24-Hour Std:		4		0		1
Annual Average:		32.5		*		28.7
3-Year Maximum Annual Average:		33		*		29
Year Coverage:		99		94		97

◄ Shift Backward [1] Shift Forward ►

Notes:

Daily PM10 averages and related statistics are available at Los Angeles-North Main Street between 1988 and 2011. Some years in this range may not be represented.

All averages expressed in micrograms per cubic meter.

The national annual average PM10 standard was revoked in December 2006 and is no longer in effect. Statistics related to the revoked standard are shown in *italics* or *italics*.

yellow exceeds a California ambient air quality standard. orange exceeds a national ambient air quality standard.

An exceedance of a standard is not necessarily related to a violation of the standard.

All values listed above represent midnight-to-midnight 24-hour averages and may be related to an exceptional event.

State and national statistics may differ for the following reasons:

- State statistics are based on California approved samplers, whereas national statistics are based on samplers using federal reference or equivalent methods. State and national statistics may therefore be based on different samplers.
- State statistics for 1998 and later are based on local conditions (except for sites in the South Coast Air Basin, where State statistics for 2002 and later are based on local conditions). National statistics are based on standard conditions.
- State criteria for ensuring that data are sufficiently complete for calculating valid annual averages are more stringent than the national criteria.

Measurements are usually collected every six days. Measured days counts the days that a measurement was greater than the level of the standard; Estimated days mathematically estimates how many days concentrations would have been greater than the level of the standard had each day been monitored.

3-Year statistics represent the listed year and the 2 years before the listed year.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

Available Pollutants:

8-Hour Ozone | Hourly Ozone | PM2.5 | PM10 | Carbon Monoxide | Nitrogen Dioxide | State Sulfur Dioxide | Hydrogen Sulfide

Top 4 Summary: Highest 4 Daily Maximum 8-Hour Ozone Averages

at Los Angeles-North Main Street

	2009		2010		2011	
	Date	8-Hr Average	Date	8-Hr Average	Date	8-Hr Average
National:						
First High:	Aug 30	0.100	Sep 26	0.080	Sep 5	0.065
Second High:	Aug 26	0.078	Jun 5	0.065	Sep 7	0.064
Third High:	Aug 31	0.075	Sep 25	0.065	Jul 4	0.061
Fourth High:	Aug 29	0.073	Aug 23	0.064	Aug 28	0.060
California:						
First High:	Aug 30	0.101	Sep 26	0.080	Sep 5	0.065
Second High:	Aug 26	0.078	Sep 25	0.066	Sep 7	0.064
Third High:	Aug 31	0.075	Jun 5	0.065	Jul 4	0.062
Fourth High:	Aug 29	0.073	Aug 23	0.064	Aug 28	0.061
National:						
# Days Above the Standard:		2		1		0
Nat'l Standard Design Value:		0.072		0.070		0.065
National Year Coverage:		94		95		88
California:						
# Days Above the Standard:		5		1		0
California Designation Value:		0.081		0.081		0.073
Expected Peak Day Concentration:		0.085		0.081		0.074
California Year Coverage:		91		93		87

◄ Shift Backward [1] Shift Forward ►

Notes:

Eight-hour ozone averages and related statistics are available at Los Angeles-North Main Street between 1979 and 2011. Some years in this range may not be represented.

All averages expressed in parts per million.

yellow exceeds a California ambient air quality standard. orange exceeds a national ambient air quality standard.

An exceedance of a standard is not necessarily related to a violation of the standard.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

Available Pollutants:

8-Hour Ozone | Hourly Ozone | PM2.5 | PM10 | Carbon Monoxide | Nitrogen Dioxide | State Sulfur Dioxide | Hydrogen Sulfide

Top 4 Summary: Highest 4 Daily Maximum Hourly Ozone Measurements

at Los Angeles-North Main Street

	2009		2010		2011	
	Date	Measurement	Date	Measurement	Date	Measurement
First High:	Aug 30	0.139	Sep 26	0.098	Sep 9	0.133
Second High:	Sep 26	0.119	Sep 4	0.090	Sep 7	0.087
Third High:	Aug 26	0.104	Sep 25	0.087	Aug 27	0.080
Fourth High:	Aug 31	0.092	Aug 23	0.081	Aug 28	0.080
California:						
# Days Above the Standard:	3		1		1	
California Designation Value:	0.11		0.10		0.10	
Expected Peak Day Concentration:	0.105		0.101		0.095	
National:						
# Days Above the Standard:	*1*		*0*		*1*	
Nat'l Standard Design Value:	*0.111*		*0.104*		*0.104*	
Year Coverage:	96		96		89	

◄ Shift Backward [1] Shift Forward ►

Notes:

Hourly ozone measurements and related statistics are available at Los Angeles-North Main Street between 1979 and 2011. Some years in this range may not be represented.

All concentrations expressed in parts per million.

The national 1-hour ozone standard was revoked in June 2005 and is no longer in effect. Statistics related to the revoked standard are shown in *italics* or *italics*.

yellow exceeds a California ambient air quality standard. *orange* exceeds the revoked 1-hour national ambient air quality standard.

An exceedance of a standard is not necessarily related to a violation of the standard.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

Available Pollutants:

8-Hour Ozone | Hourly Ozone | PM2.5 | PM10 | Carbon Monoxide | Nitrogen Dioxide | State Sulfur Dioxide | Hydrogen Sulfide

Top 4 Summary: Highest 4 Daily Maximum Hourly Nitrogen Dioxide Measurements

at Los Angeles-North Main Street

	2009		2010		2011	
	Date	Measurement	Date	Measurement	Date	Measurement
First High:	Nov 3	0.115	Aug 24	0.089	Sep 7	0.110
Second High:	Sep 26	0.103	Sep 24	0.078	Dec 30	0.098
Third High:	Sep 24	0.085	Sep 27	0.074	Sep 27	0.089
Fourth High:	Sep 25	0.085	Sep 25	0.073	Dec 31	0.079
California:						
# Days Above the Standard:	0		0		0	
Annual Average:	0.028		0.025		0.023	
Year Coverage:	93		96		86	

◄ Shift Backward [1] Shift Forward ►

Notes:

Hourly nitrogen dioxide measurements and related statistics are available at Los Angeles-North Main Street between 1979 and 2011. Some years in this range may not be represented.

All concentrations expressed in parts per million.

yellow exceeds a California ambient air quality standard. orange exceeds a national ambient air quality standard.

An exceedance of a standard is not necessarily related to a violation of the standard.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

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Available Pollutants:

8-Hour Ozone | Hourly Ozone | PM2.5 | PM10 | Carbon Monoxide | Nitrogen Dioxide | State Sulfur Dioxide | Hydrogen Sulfide

Top 4 Summary: Highest 4 Daily Maximum 8-Hour Carbon Monoxide Averages

at Los Angeles-North Main Street

	2009		2010		2011	
	Date	8-Hr Average	Date	8-Hr Average	Date	8-Hr Average
National:						
First High:	Jan 1	2.17	Dec 10	2.32	Dec 31	2.40
Second High:	Jan 17	1.84	Dec 3	2.09	Dec 30	2.18
Third High:	Aug 30	1.79	Jan 8	1.98	Dec 31	2.18
Fourth High:	Feb 4	1.76	Dec 9	1.95	Nov 30	2.00
California:						
First High:	Jan 1	2.20	Dec 10	2.32	Dec 31	2.42
Second High:	Jan 16	1.84	Dec 2	2.09	Dec 30	2.34
Third High:	Aug 30	1.79	Jan 7	1.98	Dec 29	2.18
Fourth High:	Feb 3	1.76	Dec 9	1.95	Nov 29	2.00
National:						
# Days Above the Standard:	0		0		0	
California:						
# Days Above the Standard:	0		0		0	
Expected Peak Day Concentration:	2.15		2.08		2.19	
Year Coverage:	97		99		97	

◄ Shift Backward [1] Shift Forward ►

Notes:

Eight-hour carbon monoxide averages and related statistics are available at Los Angeles-North Main Street between 1979 and 2011. Some years in this range may not be represented.

All averages expressed in parts per million.

yellow exceeds a California ambient air quality standard. orange exceeds a national ambient air quality standard.

An exceedance of a standard is not necessarily related to a violation of the standard.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

* means there was insufficient data available to determine the value.

Available Pollutants:

8-Hour Ozone | Hourly Ozone | PM2.5 | PM10 | Carbon Monoxide | Nitrogen Dioxide | State Sulfur Dioxide | Hydrogen Sulfide

Tuesday, September 11, 2012

UP LINKS
- Air Quality & Emissions
  - iADAM: Air Quality Data Statistics
    - iADAM: Top Four Summary
      - Previous Page

PROGRAM LINKS
- Frequently Asked Questions

RESOURCES
- Contact Us

Top 4 Summary: Highest 4 Daily Maximum State 24-Hour Sulfur Dioxide Averages

at Los Angeles-North Main Street

	2009		2010		2011	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
First High:	Feb 5	0.002	Jan 12	0.002	Mar 1	0.002
Second High:	Jul 20	0.002	Dec 3	0.002	Jan 8	0.002
Third High:	Mar 19	0.002	Dec 9	0.002	Jan 31	0.002
Fourth High:	May 14	0.002	Jul 15	0.002	Jan 19	0.001
Annual Average:		0.000		0.000		*
Year Coverage:		96		95		59

◄ Shift Backward [1] Shift Forward ►

Notes:

Hourly sulfur dioxide measurements and related statistics are available at Los Angeles-North Main Street between 1979 and 2011. Some years in this range may not be represented.

All averages expressed in parts per million.

yellow exceeds a California ambient air quality standard.

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Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

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Available Pollutants:

8-Hour Ozone | Hourly Ozone | PM2.5 | PM10 | Carbon Monoxide | Nitrogen Dioxide | State Sulfur Dioxide | Hydrogen Sulfide

Appendix C

Construction Emission Calculations and Output Files

Domain Project Recirculated Draft EIR - Future Plus Project Conditions

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Parking Structure	246	Space
Health Club	3.1	1000sqft
Quality Restaurant	2.5	1000sqft
Apartments Mid Rise	166	Dwelling Unit
Strip Mall	6.8	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Los Angeles Department of Water & Power
Climate Zone	9		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

Land Use - The proposed project is located on a 1.3-acre site in the City of West Hollywood.

Construction Phase - Construction is anticipated to start in the second quarter of 2013 and take approximately 26 months to complete, ending in the third quarter of 2015.

Trips and VMT - Approximately 30 construction workers would be working on-site per day and travel approximately 40 miles for round-trip. Haul trucks trip for soil removal is calculated separately.

Demolition - Demolition debris is based on the structural floor space and conversion factor of 1 square foot is equivalent 0.046 ton of waste material.

Grading - The entire project site will be graded. It is anticipated that approximately 33,200 cubic yards of soil would be removed.

Vehicle Trips - Weekday trip rate provided by traffic report prepared by KOA Corporation.

Woodstoves - The proposed apartments is not anticipated to include woodstoves.

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403, the proposed project would be water two times per day to reduce fugitive dust by 61 percent.

Area Mitigation - The proposed project would use low-VOC sealants and adhesives.

Energy Mitigation - The proposed project would exceed Title 24 Energy Code by more than 20 percent. The proposed project would also install photovoltaic panels.

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2013	5.80	40.93	31.64	0.05	6.72	2.42	8.82	2.95	2.42	4.60	0.00	5,440.75	0.00	0.54	0.00	5,451.99
2014	5.16	27.81	25.85	0.05	1.79	1.70	3.49	0.08	1.70	1.78	0.00	4,743.40	0.00	0.46	0.00	4,753.15
2015	387.14	25.65	24.68	0.05	1.79	1.53	3.32	0.08	1.53	1.61	0.00	4,722.09	0.00	0.42	0.00	4,731.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2013	5.80	40.93	31.64	0.05	5.94	2.42	8.36	1.18	2.42	2.83	0.00	5,440.75	0.00	0.54	0.00	5,451.99
2014	5.16	27.81	25.85	0.05	1.79	1.70	3.49	0.08	1.70	1.78	0.00	4,743.40	0.00	0.46	0.00	4,753.15
2015	387.14	25.65	24.68	0.05	1.79	1.53	3.32	0.08	1.53	1.61	0.00	4,722.09	0.00	0.42	0.00	4,731.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.75	0.00	0.75	0.00	0.00	0.00						0.00
Off-Road	5.07	38.45	23.67	0.04		2.29	2.29		2.29	2.29		3,946.47		0.46		3,956.03
Total	**5.07**	**38.45**	**23.67**	**0.04**	**0.75**	**2.29**	**3.04**	**0.00**	**2.29**	**2.29**		**3,946.47**		**0.46**		**3,956.03**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.20	1.90	1.10	0.00	4.20	0.08	4.28	0.01	0.08	0.09		291.32		0.01		291.52
Vendor	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
Worker	0.53	0.58	6.87	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,202.96		0.07		1,204.44
Total	**0.73**	**2.48**	**7.97**	**0.01**	**5.65**	**0.13**	**5.78**	**0.06**	**0.13**	**0.19**		**1,494.28**		**0.08**		**1,495.96**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.29	0.00	0.29	0.00	0.00	0.00						0.00
Off-Road	5.07	38.45	23.67	0.04		2.29	2.29		2.29	2.29	0.00	3,946.47		0.46		3,956.03
Total	**5.07**	**38.45**	**23.67**	**0.04**	**0.29**	**2.29**	**2.58**	**0.00**	**2.29**	**2.29**	**0.00**	**3,946.47**		**0.46**		**3,956.03**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.20	1.90	1.10	0.00	4.20	0.08	4.28	0.01	0.08	0.09		291.32		0.01		291.52
Vendor	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
Worker	0.53	0.58	6.87	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,202.96		0.07		1,204.44
Total	**0.73**	**2.48**	**7.97**	**0.01**	**5.65**	**0.13**	**5.78**	**0.06**	**0.13**	**0.19**		**1,494.28**		**0.08**		**1,495.96**

3.3 Site Preparation - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.27	0.00	5.27	2.90	0.00	2.90						0.00
Off-Road	3.96	31.66	18.62	0.03		1.60	1.60		1.60	1.60		3,253.39		0.36		3,260.86
Total	**3.96**	**31.66**	**18.62**	**0.03**	**5.27**	**1.60**	**6.87**	**2.90**	**1.60**	**4.50**		**3,253.39**		**0.36**		**3,260.86**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.53	0.58	6.87	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,202.96		0.07		1,204.44
Total	**0.53**	**0.58**	**6.87**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,202.96**		**0.07**		**1,204.44**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.06	0.00	2.06	1.13	0.00	1.13						0.00
Off-Road	3.96	31.66	18.62	0.03		1.60	1.60		1.60	1.60	0.00	3,253.39		0.36		3,260.86
Total	**3.96**	**31.66**	**18.62**	**0.03**	**2.06**	**1.60**	**3.66**	**1.13**	**1.60**	**2.73**	**0.00**	**3,253.39**		**0.36**		**3,260.86**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.53	0.58	6.87	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,202.96		0.07		1,204.44
Total	**0.53**	**0.58**	**6.87**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,202.96**		**0.07**		**1,204.44**

3.4 Grading - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.61	0.00	4.61	2.49	0.00	2.49						0.00
Off-Road	3.28	26.25	15.38	0.03		1.32	1.32		1.32	1.32		2,689.97		0.29		2,696.15
Total	**3.28**	**26.25**	**15.38**	**0.03**	**4.61**	**1.32**	**5.93**	**2.49**	**1.32**	**3.81**		**2,689.97**		**0.29**		**2,696.15**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.53	0.58	6.87	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,202.96		0.07		1,204.44
Total	**0.53**	**0.58**	**6.87**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,202.96**		**0.07**		**1,204.44**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.80	0.00	1.80	0.97	0.00	0.97						0.00
Off-Road	3.28	26.25	15.38	0.03		1.32	1.32		1.32	1.32	0.00	2,689.97		0.29		2,696.15
Total	**3.28**	**26.25**	**15.38**	**0.03**	**1.80**	**1.32**	**3.12**	**0.97**	**1.32**	**2.29**	**0.00**	**2,689.97**		**0.29**		**2,696.15**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.53	0.58	6.87	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,202.96		0.07		1,204.44
Total	**0.53**	**0.58**	**6.87**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,202.96**		**0.07**		**1,204.44**

3.5 Building Construction - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.54	23.27	16.29	0.03		1.61	1.61		1.61	1.61		2,561.58		0.41		2,570.13
Total	**4.54**	**23.27**	**16.29**	**0.03**		**1.61**	**1.61**		**1.61**	**1.61**		**2,561.58**		**0.41**		**2,570.13**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.59	6.10	3.95	0.01	0.34	0.22	0.56	0.03	0.22	0.25		996.31		0.03		996.92
Worker	0.53	0.58	6.87	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,202.96		0.07		1,204.44
Total	**1.12**	**6.68**	**10.82**	**0.02**	**1.79**	**0.27**	**2.06**	**0.08**	**0.27**	**0.35**		**2,199.27**		**0.10**		**2,201.36**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.54	23.27	16.29	0.03		1.61	1.61		1.61	1.61	0.00	2,561.58		0.41		2,570.13
Total	**4.54**	**23.27**	**16.29**	**0.03**		**1.61**	**1.61**		**1.61**	**1.61**	**0.00**	**2,561.58**		**0.41**		**2,570.13**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.59	6.10	3.95	0.01	0.34	0.22	0.56	0.03	0.22	0.25		996.31		0.03		996.92
Worker	0.53	0.58	6.87	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,202.96		0.07		1,204.44
Total	**1.12**	**6.68**	**10.82**	**0.02**	**1.79**	**0.27**	**2.06**	**0.08**	**0.27**	**0.35**		**2,199.27**		**0.10**		**2,201.36**

3.5 Building Construction - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.15	21.74	15.92	0.03		1.46	1.46		1.46	1.46		2,561.58		0.37		2,569.39
Total	**4.15**	**21.74**	**15.92**	**0.03**		**1.46**	**1.46**		**1.46**	**1.46**		**2,561.58**		**0.37**		**2,569.39**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.53	5.54	3.58	0.01	0.34	0.20	0.53	0.03	0.20	0.22		998.29		0.03		998.84
Worker	0.49	0.53	6.34	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,183.53		0.07		1,184.92
Total	**1.02**	**6.07**	**9.92**	**0.02**	**1.79**	**0.25**	**2.03**	**0.08**	**0.25**	**0.32**		**2,181.82**		**0.10**		**2,183.76**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.15	21.74	15.92	0.03		1.46	1.46		1.46	1.46	0.00	2,561.58		0.37		2,569.39
Total	**4.15**	**21.74**	**15.92**	**0.03**		**1.46**	**1.46**		**1.46**	**1.46**	**0.00**	**2,561.58**		**0.37**		**2,569.39**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.53	5.54	3.58	0.01	0.34	0.20	0.53	0.03	0.20	0.22		998.29		0.03		998.84
Worker	0.49	0.53	6.34	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,183.53		0.07		1,184.92
Total	**1.02**	**6.07**	**9.92**	**0.02**	**1.79**	**0.25**	**2.03**	**0.08**	**0.25**	**0.32**		**2,181.82**		**0.10**		**2,183.76**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.78	20.14	15.61	0.03		1.31	1.31		1.31	1.31		2,561.58		0.34		2,568.69
Total	**3.78**	**20.14**	**15.61**	**0.03**		**1.31**	**1.31**		**1.31**	**1.31**		**2,561.58**		**0.34**		**2,568.69**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.48	5.03	3.23	0.01	0.34	0.18	0.51	0.03	0.18	0.20		1,000.75		0.02		1,001.25
Worker	0.45	0.49	5.84	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,159.76		0.06		1,161.06
Total	**0.93**	**5.52**	**9.07**	**0.02**	**1.79**	**0.23**	**2.01**	**0.08**	**0.23**	**0.30**		**2,160.51**		**0.08**		**2,162.31**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.78	20.14	15.61	0.03		1.31	1.31		1.31	1.31	0.00	2,561.58		0.34		2,568.69
Total	**3.78**	**20.14**	**15.61**	**0.03**		**1.31**	**1.31**		**1.31**	**1.31**	**0.00**	**2,561.58**		**0.34**		**2,568.69**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.48	5.03	3.23	0.01	0.34	0.18	0.51	0.03	0.18	0.20		1,000.75		0.02		1,001.25
Worker	0.45	0.49	5.84	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,159.76		0.06		1,161.06
Total	**0.93**	**5.52**	**9.07**	**0.02**	**1.79**	**0.23**	**2.01**	**0.08**	**0.23**	**0.30**		**2,160.51**		**0.08**		**2,162.31**

3.6 Paving - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.62	16.38	11.89	0.02		1.34	1.34		1.34	1.34		1,712.73		0.24		1,717.66
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**2.62**	**16.38**	**11.89**	**0.02**		**1.34**	**1.34**		**1.34**	**1.34**		**1,712.73**		**0.24**		**1,717.66**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.45	0.49	5.84	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,159.76		0.06		1,161.06
Total	**0.45**	**0.49**	**5.84**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,159.76**		**0.06**		**1,161.06**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.62	16.38	11.89	0.02		1.34	1.34		1.34	1.34	0.00	1,712.73		0.24		1,717.66
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**2.62**	**16.38**	**11.89**	**0.02**		**1.34**	**1.34**		**1.34**	**1.34**	**0.00**	**1,712.73**		**0.24**		**1,717.66**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.45	0.49	5.84	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,159.76		0.06		1,161.06
Total	**0.45**	**0.49**	**5.84**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,159.76**		**0.06**		**1,161.06**

3.7 Architectural Coating - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	386.28					0.00	0.00		0.00	0.00						0.00
Off-Road	0.41	2.57	1.90	0.00		0.22	0.22		0.22	0.22		281.19		0.04		281.96
Total	**386.69**	**2.57**	**1.90**	**0.00**		**0.22**	**0.22**		**0.22**	**0.22**		**281.19**		**0.04**		**281.96**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.45	0.49	5.84	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,159.76		0.06		1,161.06
Total	**0.45**	**0.49**	**5.84**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,159.76**		**0.06**		**1,161.06**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	386.28					0.00	0.00		0.00	0.00						0.00
Off-Road	0.41	2.57	1.90	0.00		0.22	0.22		0.22	0.22	0.00	281.19		0.04		281.96
Total	**386.69**	**2.57**	**1.90**	**0.00**		**0.22**	**0.22**		**0.22**	**0.22**	**0.00**	**281.19**		**0.04**		**281.96**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.45	0.49	5.84	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,159.76		0.06		1,161.06
Total	**0.45**	**0.49**	**5.84**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,159.76**		**0.06**		**1,161.06**

Domain Project Recirculated Draft EIR - Future Plus Project Conditions

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Parking Structure	246	Space
Health Club	3.1	1000sqft
Quality Restaurant	2.5	1000sqft
Apartments Mid Rise	166	Dwelling Unit
Strip Mall	6.8	1000sqft

1.2 Other Project Characteristics

Urbanization Urban

Climate Zone 9

Wind Speed (m/s) 2.2

Precipitation Freq (Days) 33

Utility Company Los Angeles Department of Water & Power

1.3 User Entered Comments

Land Use - The proposed project is located on a 1.3-acre site in the City of West Hollywood.

Construction Phase - Construction is anticipated to start in the second quarter of 2013 and take approximately 26 months to complete, ending in the third quarter of 2015.

Trips and VMT - Approximately 30 construction workers would be working on-site per day and travel approximately 40 miles for round-trip. Haul trucks trip for soil removal is calculated separately.

Demolition - Demolition debris is based on the structural floor space and conversion factor of 1 square foot is equivalent 0.046 ton of waste material.

Grading - The entire project site will be graded. It is anticipated that approximately 33,200 cubic yards of soil would be removed.

Vehicle Trips - Weekday trip rate provided by traffic report prepared by KOA Corporation.

Woodstoves - The proposed apartments is not anticipated to include woodstoves.

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403, the proposed project would be water two times per day to reduce fugitive dust by 61 percent.

Area Mitigation - The proposed project would use low-VOC sealants and adhesives.

Energy Mitigation - The proposed project would exceed Title 24 Energy Code by more than 20 percent. The proposed project would also install photovoltaic panels.

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2013	5.86	41.13	31.18	0.05	6.72	2.42	8.82	2.95	2.42	4.60	0.00	5,350.08	0.00	0.53	0.00	5,361.26
2014	5.25	28.15	25.80	0.05	1.79	1.71	3.49	0.08	1.71	1.79	0.00	4,648.27	0.00	0.46	0.00	4,657.98
2015	387.19	25.94	24.65	0.05	1.79	1.54	3.32	0.08	1.54	1.62	0.00	4,628.41	0.00	0.42	0.00	4,637.28
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2013	5.86	41.13	31.18	0.05	5.94	2.42	8.36	1.18	2.42	2.83	0.00	5,350.08	0.00	0.53	0.00	5,361.26
2014	5.25	28.15	25.80	0.05	1.79	1.71	3.49	0.08	1.71	1.79	0.00	4,648.27	0.00	0.46	0.00	4,657.98
2015	387.19	25.94	24.65	0.05	1.79	1.54	3.32	0.08	1.54	1.62	0.00	4,628.41	0.00	0.42	0.00	4,637.28
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					0.75	0.00	0.75	0.00	0.00	0.00						0.00
Off-Road	5.07	38.45	23.67	0.04		2.29	2.29		2.29	2.29		3,946.47		0.46		3,956.03
Total	**5.07**	**38.45**	**23.67**	**0.04**	**0.75**	**2.29**	**3.04**	**0.00**	**2.29**	**2.29**		**3,946.47**		**0.46**		**3,956.03**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.20	2.00	1.18	0.00	4.20	0.09	4.28	0.01	0.09	0.10		289.96		0.01		290.17
Vendor	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
Worker	0.59	0.68	6.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,113.65		0.07		1,115.06
Total	**0.79**	**2.68**	**7.51**	**0.01**	**5.65**	**0.14**	**5.78**	**0.06**	**0.14**	**0.20**		**1,403.61**		**0.08**		**1,405.23**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					0.29	0.00	0.29	0.00	0.00	0.00						0.00
Off-Road	5.07	38.45	23.67	0.04		2.29	2.29		2.29	2.29	0.00	3,946.47		0.46		3,956.03
Total	**5.07**	**38.45**	**23.67**	**0.04**	**0.29**	**2.29**	**2.58**	**0.00**	**2.29**	**2.29**	**0.00**	**3,946.47**		**0.46**		**3,956.03**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.20	2.00	1.18	0.00	4.20	0.09	4.28	0.01	0.09	0.10		289.96		0.01		290.17
Vendor	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
Worker	0.59	0.68	6.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,113.65		0.07		1,115.06
Total	**0.79**	**2.68**	**7.51**	**0.01**	**5.65**	**0.14**	**5.78**	**0.06**	**0.14**	**0.20**		**1,403.61**		**0.08**		**1,405.23**

3.3 Site Preparation - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					5.27	0.00	5.27	2.90	0.00	2.90						0.00
Off-Road	3.96	31.66	18.62	0.03		1.60	1.60		1.60	1.60		3,253.39		0.36		3,260.86
Total	**3.96**	**31.66**	**18.62**	**0.03**	**5.27**	**1.60**	**6.87**	**2.90**	**1.60**	**4.50**		**3,253.39**		**0.36**		**3,260.86**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	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
Vendor	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
Worker	0.59	0.68	6.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,113.65		0.07		1,115.06
Total	**0.59**	**0.68**	**6.33**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,113.65**		**0.07**		**1,115.06**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.06	0.00	2.06	1.13	0.00	1.13						0.00
Off-Road	3.96	31.66	18.62	0.03		1.60	1.60		1.60	1.60	0.00	3,253.39		0.36		3,260.86
Total	**3.96**	**31.66**	**18.62**	**0.03**	**2.06**	**1.60**	**3.66**	**1.13**	**1.60**	**2.73**	**0.00**	**3,253.39**		**0.36**		**3,260.86**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.59	0.68	6.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,113.65		0.07		1,115.06
Total	**0.59**	**0.68**	**6.33**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,113.65**		**0.07**		**1,115.06**

3.4 Grading - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.61	0.00	4.61	2.49	0.00	2.49						0.00
Off-Road	3.28	26.25	15.38	0.03		1.32	1.32		1.32	1.32		2,689.97		0.29		2,696.15
Total	**3.28**	**26.25**	**15.38**	**0.03**	**4.61**	**1.32**	**5.93**	**2.49**	**1.32**	**3.81**		**2,689.97**		**0.29**		**2,696.15**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.59	0.68	6.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,113.65		0.07		1,115.06
Total	**0.59**	**0.68**	**6.33**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,113.65**		**0.07**		**1,115.06**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.80	0.00	1.80	0.97	0.00	0.97						0.00
Off-Road	3.28	26.25	15.38	0.03		1.32	1.32		1.32	1.32	0.00	2,689.97		0.29		2,696.15
Total	**3.28**	**26.25**	**15.38**	**0.03**	**1.80**	**1.32**	**3.12**	**0.97**	**1.32**	**2.29**	**0.00**	**2,689.97**		**0.29**		**2,696.15**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.59	0.68	6.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,113.65		0.07		1,115.06
Total	**0.59**	**0.68**	**6.33**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,113.65**		**0.07**		**1,115.06**

3.5 Building Construction - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.54	23.27	16.29	0.03		1.61	1.61		1.61	1.61		2,561.58		0.41		2,570.13
Total	**4.54**	**23.27**	**16.29**	**0.03**		**1.61**	**1.61**		**1.61**	**1.61**		**2,561.58**		**0.41**		**2,570.13**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.62	6.39	4.44	0.01	0.34	0.23	0.56	0.03	0.23	0.25		989.26		0.03		989.90
Worker	0.59	0.68	6.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,113.65		0.07		1,115.06
Total	**1.21**	**7.07**	**10.77**	**0.02**	**1.79**	**0.28**	**2.06**	**0.08**	**0.28**	**0.35**		**2,102.91**		**0.10**		**2,104.96**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.54	23.27	16.29	0.03		1.61	1.61		1.61	1.61	0.00	2,561.58		0.41		2,570.13
Total	**4.54**	**23.27**	**16.29**	**0.03**		**1.61**	**1.61**		**1.61**	**1.61**	**0.00**	**2,561.58**		**0.41**		**2,570.13**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.62	6.39	4.44	0.01	0.34	0.23	0.56	0.03	0.23	0.25		989.26		0.03		989.90
Worker	0.59	0.68	6.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,113.65		0.07		1,115.06
Total	**1.21**	**7.07**	**10.77**	**0.02**	**1.79**	**0.28**	**2.06**	**0.08**	**0.28**	**0.35**		**2,102.91**		**0.10**		**2,104.96**

3.5 Building Construction - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.15	21.74	15.92	0.03		1.46	1.46		1.46	1.46		2,561.58		0.37		2,569.39
Total	**4.15**	**21.74**	**15.92**	**0.03**		**1.46**	**1.46**		**1.46**	**1.46**		**2,561.58**		**0.37**		**2,569.39**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.56	5.78	4.06	0.01	0.34	0.20	0.54	0.03	0.20	0.23		991.04		0.03		991.62
Worker	0.54	0.62	5.82	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,095.65		0.06		1,096.97
Total	**1.10**	**6.40**	**9.88**	**0.02**	**1.79**	**0.25**	**2.04**	**0.08**	**0.25**	**0.33**		**2,086.69**		**0.09**		**2,088.59**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.15	21.74	15.92	0.03		1.46	1.46		1.46	1.46	0.00	2,561.58		0.37		2,569.39
Total	**4.15**	**21.74**	**15.92**	**0.03**		**1.46**	**1.46**		**1.46**	**1.46**	**0.00**	**2,561.58**		**0.37**		**2,569.39**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.56	5.78	4.06	0.01	0.34	0.20	0.54	0.03	0.20	0.23		991.04		0.03		991.62
Worker	0.54	0.62	5.82	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,095.65		0.06		1,096.97
Total	**1.10**	**6.40**	**9.88**	**0.02**	**1.79**	**0.25**	**2.04**	**0.08**	**0.25**	**0.33**		**2,086.69**		**0.09**		**2,088.59**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.78	20.14	15.61	0.03		1.31	1.31		1.31	1.31		2,561.58		0.34		2,568.69
Total	**3.78**	**20.14**	**15.61**	**0.03**		**1.31**	**1.31**		**1.31**	**1.31**		**2,561.58**		**0.34**		**2,568.69**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.50	5.23	3.71	0.01	0.34	0.18	0.51	0.03	0.18	0.20		993.28		0.02		993.81
Worker	0.50	0.57	5.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,073.55		0.06		1,074.78
Total	**1.00**	**5.80**	**9.04**	**0.02**	**1.79**	**0.23**	**2.01**	**0.08**	**0.23**	**0.30**		**2,066.83**		**0.08**		**2,068.59**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.78	20.14	15.61	0.03		1.31	1.31		1.31	1.31	0.00	2,561.58		0.34		2,568.69
Total	**3.78**	**20.14**	**15.61**	**0.03**		**1.31**	**1.31**		**1.31**	**1.31**	**0.00**	**2,561.58**		**0.34**		**2,568.69**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	0.50	5.23	3.71	0.01	0.34	0.18	0.51	0.03	0.18	0.20		993.28		0.02		993.81
Worker	0.50	0.57	5.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,073.55		0.06		1,074.78
Total	**1.00**	**5.80**	**9.04**	**0.02**	**1.79**	**0.23**	**2.01**	**0.08**	**0.23**	**0.30**		**2,066.83**		**0.08**		**2,068.59**

3.6 Paving - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.62	16.38	11.89	0.02		1.34	1.34		1.34	1.34		1,712.73		0.24		1,717.66
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**2.62**	**16.38**	**11.89**	**0.02**		**1.34**	**1.34**		**1.34**	**1.34**		**1,712.73**		**0.24**		**1,717.66**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.50	0.57	5.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,073.55		0.06		1,074.78
Total	**0.50**	**0.57**	**5.33**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,073.55**		**0.06**		**1,074.78**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.62	16.38	11.89	0.02		1.34	1.34		1.34	1.34	0.00	1,712.73		0.24		1,717.66
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**2.62**	**16.38**	**11.89**	**0.02**		**1.34**	**1.34**		**1.34**	**1.34**	**0.00**	**1,712.73**		**0.24**		**1,717.66**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.50	0.57	5.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,073.55		0.06		1,074.78
Total	**0.50**	**0.57**	**5.33**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,073.55**		**0.06**		**1,074.78**

3.7 Architectural Coating - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	386.28					0.00	0.00		0.00	0.00						0.00
Off-Road	0.41	2.57	1.90	0.00		0.22	0.22		0.22	0.22		281.19		0.04		281.96
Total	**386.69**	**2.57**	**1.90**	**0.00**		**0.22**	**0.22**		**0.22**	**0.22**		**281.19**		**0.04**		**281.96**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.50	0.57	5.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,073.55		0.06		1,074.78
Total	**0.50**	**0.57**	**5.33**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,073.55**		**0.06**		**1,074.78**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	386.28					0.00	0.00		0.00	0.00						0.00
Off-Road	0.41	2.57	1.90	0.00		0.22	0.22		0.22	0.22	0.00	281.19		0.04		281.96
Total	**386.69**	**2.57**	**1.90**	**0.00**		**0.22**	**0.22**		**0.22**	**0.22**	**0.00**	**281.19**		**0.04**		**281.96**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.50	0.57	5.33	0.01	1.45	0.05	1.50	0.05	0.05	0.10		1,073.55		0.06		1,074.78
Total	**0.50**	**0.57**	**5.33**	**0.01**	**1.45**	**0.05**	**1.50**	**0.05**	**0.05**	**0.10**		**1,073.55**		**0.06**		**1,074.78**

Domain Project - Off-Site Construction Emissions

EMFAC2011 RATES (grams per mile)							
Vehicle Type	**ROG**	**CO**	**NOX**	**SOX**	**PM10**	**PM2.5**	**CO2**
Year 2012							
Haul Truck @ 55 MPH	0.303835038	1.525574	11.42997	0.000	0.28903	0.266	524.8039086
Assumptions:							
Construction Year	2013-2016						
Season	Annual						

Pounds per Mile Conversion						
ROG	**CO**	**NOX**	**SOX**	**PM10**	**PM2.5**	**CO2**
0.00067	**0.00336**	**0.02518**	**0.00000**	**0.00064**	**0.00059**	**1.15596**

OFF-SITE TRUCK TRIPS

Heavy-duty Truck Emissions				**Pounds Per Day**						
	Trips per Day	**Round Trip Length /a/**	**VMT/day**	**ROG**	**CO**	**NOX**	**SOX**	**PM10**	**PM2.5**	**CO2**
Soil Removal	60	116.00	6960.00	4.66	23.39	175.23	0.00	4.43	4.08	8045.45
Year 2016- Haul Truck Trips (tons per year)				**0.0652**	**0.3274**	**2.4532**	**0.0000**	**0.0620**	**0.0571**	**112.6363**

/a/ Although several waste management facilities were provided, the analysis selected the disposal facility that would required the haul trucks to travel the most distance. Kettleman Hills Landfill (approximately 58 miles for one-way trip from the site) was chosen based upon this worst-case analysis.

*Kettleman Hills Landfill is approximately 171 miles from the project site. For regional analysis, the distance that is outside the Basin was not included in the calculation.

EMFAC 2011
2013 Estimated Annual Emission Rates
EMFAC 2011 Vehicle Categories
Los Angeles COUNTY
South Coast AIR BASIN
South Coast AQMD

Area	CalYr	Season	Veh	Fuel	MdlYr	Speed (Miles/hr)	VMT (Miles/day)	ROG_RUNEX (gms/mile)	TOG_RUNEX (gms/mile)	CO_RUNEX (gms/mile)	NOX_RUNEX (gms/mile)	CO2_RUNEX (gms/mile)	CO2_RUNEX(F (gms/mile)	PM10_RUNEX (gms/mile)	PM2_5_RUNEX (gms/mile)	SOX_RUNEX (gms/mile)
Los Angeles (SC	2013	Annual	T7 single construction	DSL	AllMYr	55	15807.3016	0.303835038	0.345893063	1.525574	11.429973	1582.06511	1566.24446	0.289029596	0.265907228	0

Appendix D

Operational Emission Calculations and Output Files

Domain Project Recirculated Draft EIR - Existing Conditions
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Light Industry	36	1000sqft
General Office Building	3.5	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Los Angeles Department of Water & Power
Climate Zone	9		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

Vehicle Trips - Weekday trip rate obtained from the traffic report prepared by KOA Corporation.

2.0 Emissions Summary

2.1 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
Mobile	1.12	2.79	11.43	0.02	1.95	0.12	2.08	0.07	0.12	0.19		1,898.85		0.10		1,900.98
Total	**2.17**	**2.98**	**11.59**	**0.02**	**1.95**	**0.12**	**2.09**	**0.07**	**0.12**	**0.20**		**2,129.44**		**0.10**	**0.00**	**2,132.98**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
Mobile	1.12	2.79	11.43	0.02	1.95	0.12	2.08	0.07	0.12	0.19		1,898.85		0.10		1,900.98
Total	**2.17**	**2.98**	**11.59**	**0.02**	**1.95**	**0.12**	**2.09**	**0.07**	**0.12**	**0.20**		**2,129.44**		**0.10**	**0.00**	**2,132.98**

3.0 Mobile Detail

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.12	2.79	11.43	0.02	1.95	0.12	2.08	0.07	0.12	0.19		1,898.85		0.10		1,900.98
Unmitigated	1.12	2.79	11.43	0.02	1.95	0.12	2.08	0.07	0.12	0.19		1,898.85		0.10		1,900.98
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	137.99	0.00	0.00	332,552	332,552
General Office Building	38.99	0.00	0.00	88,939	88,939
Total	176.98	0.00	0.00	421,491	421,491

3.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
General Light Industry	8.90	13.30	7.40	59.00	28.00	13.00
General Office Building	8.90	13.30	7.40	33.00	48.00	19.00

4.0 Energy Detail

4.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
NaturalGas Unmitigated	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
General Light Industry	1855.23	0.02	0.18	0.15	0.00		0.00	0.01		0.00	0.01		218.26		0.00	0.00	219.59
General Office Building	104.808	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		12.33		0.00	0.00	12.41
Total		**0.02**	**0.19**	**0.16**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**		**230.59**		**0.00**	**0.00**	**232.00**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
General Light Industry	1.85523	0.02	0.18	0.15	0.00		0.00	0.01		0.00	0.01		218.26		0.00	0.00	219.59
General Office Building	0.104808	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		12.33		0.00	0.00	12.41
Total		**0.02**	**0.19**	**0.16**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**		**230.59**		**0.00**	**0.00**	**232.00**

5.0 Area Detail

5.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.25					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.78					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**1.03**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.25					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.78					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**1.03**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

Domain Project Recirculated Draft EIR - Existing Conditions
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Light Industry	36	1000sqft
General Office Building	3.5	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Los Angeles Department of Water & Power
Climate Zone	9		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

Trips and VMT - Approximately 30 construction workers would be working on-site per day and travel approximately 40 miles for round-trip. Haul trucks trip for soil removal is calculated separately.

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403, the proposed project would be water two times per day to reduce fugitive dust by 61 percent.

Vehicle Trips - Weekday trip rate obtained from the traffic report prepared by KOA Corporation.

2.0 Emissions Summary

2.1 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
Mobile	1.19	3.05	11.23	0.02	1.95	0.13	2.08	0.07	0.13	0.19		1,782.91		0.09		1,784.79
Total	**2.24**	**3.24**	**11.39**	**0.02**	**1.95**	**0.13**	**2.09**	**0.07**	**0.13**	**0.20**		**2,013.50**		**0.09**	**0.00**	**2,016.79**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
Mobile	1.19	3.05	11.23	0.02	1.95	0.13	2.08	0.07	0.13	0.19		1,782.91		0.09		1,784.79
Total	**2.24**	**3.24**	**11.39**	**0.02**	**1.95**	**0.13**	**2.09**	**0.07**	**0.13**	**0.20**		**2,013.50**		**0.09**	**0.00**	**2,016.79**

3.0 Mobile Detail

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.19	3.05	11.23	0.02	1.95	0.13	2.08	0.07	0.13	0.19		1,782.91		0.09		1,784.79
Unmitigated	1.19	3.05	11.23	0.02	1.95	0.13	2.08	0.07	0.13	0.19		1,782.91		0.09		1,784.79
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	137.99	0.00	0.00	332,552	332,552
General Office Building	38.99	0.00	0.00	88,939	88,939
Total	176.98	0.00	0.00	421,491	421,491

3.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
General Light Industry	8.90	13.30	7.40	59.00	28.00	13.00
General Office Building	8.90	13.30	7.40	33.00	48.00	19.00

4.0 Energy Detail

4.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
NaturalGas Unmitigated	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
General Light Industry	1855.23	0.02	0.18	0.15	0.00		0.00	0.01		0.00	0.01		218.26		0.00	0.00	219.59
General Office Building	104.808	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		12.33		0.00	0.00	12.41
Total		**0.02**	**0.19**	**0.16**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**		**230.59**		**0.00**	**0.00**	**232.00**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
General Light Industry	1.85523	0.02	0.18	0.15	0.00		0.00	0.01		0.00	0.01		218.26		0.00	0.00	219.59
General Office Building	0.104808	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		12.33		0.00	0.00	12.41
Total		**0.02**	**0.19**	**0.16**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**		**230.59**		**0.00**	**0.00**	**232.00**

5.0 Area Detail

5.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.25					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.78					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**1.03**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.25					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.78					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**1.03**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

Domain Project Recirculated Draft EIR - Existing Plus Project Conditions
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Parking Structure	246	Space
Health Club	3.1	1000sqft
Quality Restaurant	2.5	1000sqft
Apartments Mid Rise	166	Dwelling Unit
Strip Mall	6.8	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Los Angeles Department of Water & Power
Climate Zone	9		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

Vehicle Trips - Weekday trip rate provided by traffic report prepared by KOA Corporation.

Area Mitigation - The proposed project would use low-VOC sealants and adhesives.

Energy Mitigation - The proposed project would exceed Title 24 Energy Code by more than 20 percent. The proposed project would also install photovoltaic panels.

2.0 Emissions Summary

2.1 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	24.68	0.98	69.24	0.13		0.00	8.85		0.00	8.85	1,171.42	3,012.96		4.66	0.07	4,304.56
Energy	0.09	0.79	0.41	0.01		0.00	0.06		0.00	0.06		1,000.26		0.02	0.02	1,006.35
Mobile	10.46	25.53	104.59	0.17	17.52	1.12	18.64	0.60	1.12	1.72		17,083.79		0.92		17,103.08
Total	**35.23**	**27.30**	**174.24**	**0.31**	**17.52**	**1.12**	**27.55**	**0.60**	**1.12**	**10.63**	**1,171.42**	**21,097.01**		**5.60**	**0.09**	**22,413.99**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.01	0.17	14.29	0.00		0.00	0.07		0.00	0.07	0.00	24.96		0.03	0.00	25.53
Energy	0.08	0.68	0.36	0.00		0.00	0.05		0.00	0.05		852.70		0.02	0.02	857.89
Mobile	10.46	25.53	104.59	0.17	17.52	1.12	18.64	0.60	1.12	1.72		17,083.79		0.92		17,103.08
Total	**17.55**	**26.38**	**119.24**	**0.17**	**17.52**	**1.12**	**18.76**	**0.60**	**1.12**	**1.84**	**0.00**	**17,961.45**		**0.97**	**0.02**	**17,986.50**

3.0 Mobile Detail

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.46	25.53	104.59	0.17	17.52	1.12	18.64	0.60	1.12	1.72		17,083.79		0.92		17,103.08
Unmitigated	10.46	25.53	104.59	0.17	17.52	1.12	18.64	0.60	1.12	1.72		17,083.79		0.92		17,103.08
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,103.90	1,188.56	1007.62	3,671,092	3,671,092
Health Club	0.00	64.70	82.86	54,252	54,252
Parking Structure	0.00	0.00	0.00		
Quality Restaurant	225.00	235.90	180.40	400,391	400,391
Strip Mall	300.97	285.87	138.92	633,326	633,326
Total	1,629.87	1,775.03	1,409.81	4,759,061	4,759,061

3.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	12.70	7.00	9.50	40.20	19.20	40.60
Health Club	8.90	13.30	7.40	16.90	64.10	19.00
Parking Structure	8.90	13.30	7.40	0.00	0.00	0.00
Quality Restaurant	8.90	13.30	7.40	12.00	69.00	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

4.0 Energy Detail

4.1 Mitigation Measures Energy

Exceed Title 24

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.08	0.68	0.36	0.00		0.00	0.05		0.00	0.05		852.70		0.02	0.02	857.89
NaturalGas Unmitigated	0.09	0.79	0.41	0.01		0.00	0.06		0.00	0.06		1,000.26		0.02	0.02	1,006.35
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day											lb/day				
Apartments Mid Rise	6714.85	0.07	0.62	0.26	0.00		0.00	0.05		0.00	0.05		789.98		0.02	0.01	794.79
Health Club	159.756	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00		18.79		0.00	0.00	18.91
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Quality Restaurant	1595.96	0.02	0.16	0.13	0.00		0.00	0.01		0.00	0.01		187.76		0.00	0.00	188.90
Strip Mall	31.6712	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		3.73		0.00	0.00	3.75
Total		**0.09**	**0.80**	**0.40**	**0.00**		**0.00**	**0.06**		**0.00**	**0.06**		**1,000.26**		**0.02**	**0.01**	**1,006.35**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day											lb/day				
Apartments Mid Rise	5.55142	0.06	0.51	0.22	0.00		0.00	0.04		0.00	0.04		653.11		0.01	0.01	657.08
Health Club	0.135364	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		15.93		0.00	0.00	16.02
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Quality Restaurant	1.534	0.02	0.15	0.13	0.00		0.00	0.01		0.00	0.01		180.47		0.00	0.00	181.57
Strip Mall	0.0271627	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		3.20		0.00	0.00	3.22
Total		**0.08**	**0.67**	**0.36**	**0.00**		**0.00**	**0.05**		**0.00**	**0.05**		**852.71**		**0.01**	**0.01**	**857.89**

5.0 Area Detail

5.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.01	0.17	14.29	0.00		0.00	0.07		0.00	0.07	0.00	24.96		0.03	0.00	25.53
Unmitigated	24.68	0.98	69.24	0.13		0.00	8.85		0.00	8.85	1,171.42	3,012.96		4.66	0.07	4,304.56
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.06					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.48					0.00	0.00		0.00	0.00						0.00
Hearth	17.67	0.81	54.95	0.13		0.00	8.78		0.00	8.78	1,171.42	2,988.00		4.64	0.07	4,279.02
Landscaping	0.48	0.17	14.29	0.00		0.00	0.07		0.00	0.07		24.96		0.03		25.53
Total	**24.69**	**0.98**	**69.24**	**0.13**		**0.00**	**8.85**		**0.00**	**8.85**	**1,171.42**	**3,012.96**		**4.67**	**0.07**	**4,304.55**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.06					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.48					0.00	0.00		0.00	0.00						0.00
Hearth	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
Landscaping	0.48	0.17	14.29	0.00		0.00	0.07		0.00	0.07		24.96		0.03		25.53
Total	**7.02**	**0.17**	**14.29**	**0.00**		**0.00**	**0.07**		**0.00**	**0.07**	**0.00**	**24.96**		**0.03**	**0.00**	**25.53**

Domain Project Recirculated Draft EIR - Existing Plus Project Conditions
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Parking Structure	246	Space
Health Club	3.1	1000sqft
Quality Restaurant	2.5	1000sqft
Apartments Mid Rise	166	Dwelling Unit
Strip Mall	6.8	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Los Angeles Department of Water & Power
Climate Zone	9		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

Vehicle Trips - Weekday trip rate provided by traffic report prepared by KOA Corporation.

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403, the proposed project would be water two times per day to reduce fugitive dust by 61 percent.

Area Mitigation - The proposed project would use low-VOC sealants and adhesives.

Energy Mitigation - The proposed project would exceed Title 24 Energy Code by more than 20 percent. The proposed project would also install photovoltaic

2.0 Emissions Summary

2.1 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	24.68	0.98	69.24	0.13		0.00	8.85		0.00	8.85	1,171.42	3,012.96		4.66	0.07	4,304.56
Energy	0.09	0.79	0.41	0.01		0.00	0.06		0.00	0.06		1,000.26		0.02	0.02	1,006.35
Mobile	11.08	27.84	103.58	0.16	17.52	1.13	18.65	0.60	1.13	1.73		16,041.79		0.81		16,058.86
Total	**35.85**	**29.61**	**173.23**	**0.30**	**17.52**	**1.13**	**27.56**	**0.60**	**1.13**	**10.64**	**1,171.42**	**20,055.01**		**5.49**	**0.09**	**21,369.77**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.01	0.17	14.29	0.00		0.00	0.07		0.00	0.07	0.00	24.96		0.03	0.00	25.53
Energy	0.08	0.68	0.36	0.00		0.00	0.05		0.00	0.05		852.70		0.02	0.02	857.89
Mobile	11.08	27.84	103.58	0.16	17.52	1.13	18.65	0.60	1.13	1.73		16,041.79		0.81		16,058.86
Total	**18.17**	**28.69**	**118.23**	**0.16**	**17.52**	**1.13**	**18.77**	**0.60**	**1.13**	**1.85**	**0.00**	**16,919.45**		**0.86**	**0.02**	**16,942.28**

3.0 Mobile Detail

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.08	27.84	103.58	0.16	17.52	1.13	18.65	0.60	1.13	1.73		16,041.79		0.81		16,058.86
Unmitigated	11.08	27.84	103.58	0.16	17.52	1.13	18.65	0.60	1.13	1.73		16,041.79		0.81		16,058.86
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,103.90	1,188.56	1007.62	3,671,092	3,671,092
Health Club	0.00	64.70	82.86	54,252	54,252
Parking Structure	0.00	0.00	0.00		
Quality Restaurant	225.00	235.90	180.40	400,391	400,391
Strip Mall	300.97	285.87	138.92	633,326	633,326
Total	1,629.87	1,775.03	1,409.81	4,759,061	4,759,061

3.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	12.70	7.00	9.50	40.20	19.20	40.60
Health Club	8.90	13.30	7.40	16.90	64.10	19.00
Parking Structure	8.90	13.30	7.40	0.00	0.00	0.00
Quality Restaurant	8.90	13.30	7.40	12.00	69.00	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

4.0 Energy Detail

4.1 Mitigation Measures Energy

Exceed Title 24

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.08	0.68	0.36	0.00		0.00	0.05		0.00	0.05		852.70		0.02	0.02	857.89
NaturalGas Unmitigated	0.09	0.79	0.41	0.01		0.00	0.06		0.00	0.06		1,000.26		0.02	0.02	1,006.35
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	6714.85	0.07	0.62	0.26	0.00		0.00	0.05		0.00	0.05		789.98		0.02	0.01	794.79
Health Club	159.756	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00		18.79		0.00	0.00	18.91
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Quality Restaurant	1595.96	0.02	0.16	0.13	0.00		0.00	0.01		0.00	0.01		187.76		0.00	0.00	188.90
Strip Mall	31.6712	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		3.73		0.00	0.00	3.75
Total		**0.09**	**0.80**	**0.40**	**0.00**		**0.00**	**0.06**		**0.00**	**0.06**		**1,000.26**		**0.02**	**0.01**	**1,006.35**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	5.55142	0.06	0.51	0.22	0.00		0.00	0.04		0.00	0.04		653.11		0.01	0.01	657.08
Health Club	0.135364	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		15.93		0.00	0.00	16.02
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Quality Restaurant	1.534	0.02	0.15	0.13	0.00		0.00	0.01		0.00	0.01		180.47		0.00	0.00	181.57
Strip Mall	0.0271627	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		3.20		0.00	0.00	3.22
Total		**0.08**	**0.67**	**0.36**	**0.00**		**0.00**	**0.05**		**0.00**	**0.05**		**852.71**		**0.01**	**0.01**	**857.89**

5.0 Area Detail

5.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.01	0.17	14.29	0.00		0.00	0.07		0.00	0.07	0.00	24.96		0.03	0.00	25.53
Unmitigated	24.68	0.98	69.24	0.13		0.00	8.85		0.00	8.85	1,171.42	3,012.96		4.66	0.07	4,304.56
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.06					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.48					0.00	0.00		0.00	0.00						0.00
Hearth	17.67	0.81	54.95	0.13		0.00	8.78		0.00	8.78	1,171.42	2,988.00		4.64	0.07	4,279.02
Landscaping	0.48	0.17	14.29	0.00		0.00	0.07		0.00	0.07		24.96		0.03		25.53
Total	**24.69**	**0.98**	**69.24**	**0.13**		**0.00**	**8.85**		**0.00**	**8.85**	**1,171.42**	**3,012.96**		**4.67**	**0.07**	**4,304.55**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.06					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.48					0.00	0.00		0.00	0.00						0.00
Hearth	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
Landscaping	0.48	0.17	14.29	0.00		0.00	0.07		0.00	0.07		24.96		0.03		25.53
Total	**7.02**	**0.17**	**14.29**	**0.00**		**0.00**	**0.07**		**0.00**	**0.07**	**0.00**	**24.96**		**0.03**	**0.00**	**25.53**

Domain Project Recirculated Draft EIR - Future No Project Conditions

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Light Industry	36	1000sqft
General Office Building	3.5	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Los Angeles Department of Water & Power
Climate Zone	9		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403, the proposed project would be water two times per day to reduce fugitive dust by 61 percent.

Vehicle Trips - Weekday trip rate obtained from the traffic report prepared by KOA Corporation.

2.0 Emissions Summary

2.1 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
Mobile	0.93	2.29	9.22	0.02	1.95	0.11	2.06	0.07	0.11	0.18		1,797.69		0.07		1,799.07
Total	**1.98**	**2.48**	**9.38**	**0.02**	**1.95**	**0.11**	**2.07**	**0.07**	**0.11**	**0.19**		**2,028.28**		**0.07**	**0.00**	**2,031.07**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
Mobile	0.93	2.29	9.22	0.02	1.95	0.11	2.06	0.07	0.11	0.18		1,797.69		0.07		1,799.07
Total	**1.98**	**2.48**	**9.38**	**0.02**	**1.95**	**0.11**	**2.07**	**0.07**	**0.11**	**0.19**		**2,028.28**		**0.07**	**0.00**	**2,031.07**

3.0 Mobile Detail

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.93	2.29	9.22	0.02	1.95	0.11	2.06	0.07	0.11	0.18		1,797.69		0.07		1,799.07
Unmitigated	0.93	2.29	9.22	0.02	1.95	0.11	2.06	0.07	0.11	0.18		1,797.69		0.07		1,799.07
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	137.99	0.00	0.00	332,552	332,552
General Office Building	38.99	0.00	0.00	88,939	88,939
Total	176.98	0.00	0.00	421,491	421,491

3.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
General Light Industry	8.90	13.30	7.40	59.00	28.00	13.00
General Office Building	8.90	13.30	7.40	33.00	48.00	19.00

4.0 Energy Detail

4.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
NaturalGas Unmitigated	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
General Light Industry	1855.23	0.02	0.18	0.15	0.00		0.00	0.01		0.00	0.01		218.26		0.00	0.00	219.59
General Office Building	104.808	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		12.33		0.00	0.00	12.41
Total		**0.02**	**0.19**	**0.16**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**		**230.59**		**0.00**	**0.00**	**232.00**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
General Light Industry	1.85523	0.02	0.18	0.15	0.00		0.00	0.01		0.00	0.01		218.26		0.00	0.00	219.59
General Office Building	0.104808	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		12.33		0.00	0.00	12.41
Total		**0.02**	**0.19**	**0.16**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**		**230.59**		**0.00**	**0.00**	**232.00**

5.0 Area Detail

5.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.25					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.78					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**1.03**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.25					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.78					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**1.03**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

Domain Project Recirculated Draft EIR - Future No Project Conditions

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Light Industry	36	1000sqft
General Office Building	3.5	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Los Angeles Department of Water & Power
Climate Zone	9		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403, the proposed project would be water two times per day to reduce fugitive dust by 61 percent.

Vehicle Trips - Weekday trip rate obtained from the traffic report prepared by KOA Corporation.

2.0 Emissions Summary

2.1 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
Mobile	1.00	2.46	9.03	0.02	1.95	0.11	2.06	0.07	0.11	0.18		1,690.25		0.07		1,691.64
Total	**2.05**	**2.65**	**9.19**	**0.02**	**1.95**	**0.11**	**2.07**	**0.07**	**0.11**	**0.19**		**1,920.84**		**0.07**	**0.00**	**1,923.64**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
Mobile	1.00	2.46	9.03	0.02	1.95	0.11	2.06	0.07	0.11	0.18		1,690.25		0.07		1,691.64
Total	**2.05**	**2.65**	**9.19**	**0.02**	**1.95**	**0.11**	**2.07**	**0.07**	**0.11**	**0.19**		**1,920.84**		**0.07**	**0.00**	**1,923.64**

3.0 Mobile Detail

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.00	2.46	9.03	0.02	1.95	0.11	2.06	0.07	0.11	0.18		1,690.25		0.07		1,691.64
Unmitigated	1.00	2.46	9.03	0.02	1.95	0.11	2.06	0.07	0.11	0.18		1,690.25		0.07		1,691.64
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	137.99	0.00	0.00	332,552	332,552
General Office Building	38.99	0.00	0.00	88,939	88,939
Total	176.98	0.00	0.00	421,491	421,491

3.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
General Light Industry	8.90	13.30	7.40	59.00	28.00	13.00
General Office Building	8.90	13.30	7.40	33.00	48.00	19.00

4.0 Energy Detail

4.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
NaturalGas Unmitigated	0.02	0.19	0.16	0.00		0.00	0.01		0.00	0.01		230.59		0.00	0.00	232.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
General Light Industry	1855.23	0.02	0.18	0.15	0.00		0.00	0.01		0.00	0.01		218.26		0.00	0.00	219.59
General Office Building	104.808	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		12.33		0.00	0.00	12.41
Total		**0.02**	**0.19**	**0.16**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**		**230.59**		**0.00**	**0.00**	**232.00**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
General Light Industry	1.85523	0.02	0.18	0.15	0.00		0.00	0.01		0.00	0.01		218.26		0.00	0.00	219.59
General Office Building	0.104808	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		12.33		0.00	0.00	12.41
Total		**0.02**	**0.19**	**0.16**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**		**230.59**		**0.00**	**0.00**	**232.00**

5.0 Area Detail

5.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	1.03	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.25					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.78					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**1.03**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.25					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.78					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**1.03**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

Domain Project Recirculated Draft EIR - Future Plus Project Conditions

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Parking Structure	246	Space
Health Club	3.1	1000sqft
Quality Restaurant	2.5	1000sqft
Apartments Mid Rise	166	Dwelling Unit
Strip Mall	6.8	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Los Angeles Department of Water & Power
Climate Zone	9		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

Vehicle Trips - Weekday trip rate provided by traffic report prepared by KOA Corporation.

Area Mitigation - The proposed project would use low-VOC sealants and adhesives.

Energy Mitigation - The proposed project would exceed Title 24 Energy Code by more than 20 percent. The proposed project would also install photovoltaic panels.

2.0 Emissions Summary

2.1 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.74	0.83	54.76	0.13		0.00	6.90		0.00	6.90	979.67	3,012.96		4.66	0.05	4,107.53
Energy	0.09	0.79	0.41	0.01		0.00	0.06		0.00	0.06		1,000.26		0.02	0.02	1,006.35
Mobile	8.38	20.36	75.22	0.14	15.82	0.91	16.72	0.55	0.91	1.46		13,729.59		0.54		13,741.03
Total	**20.21**	**21.98**	**130.39**	**0.28**	**15.82**	**0.91**	**23.68**	**0.55**	**0.91**	**8.42**	**979.67**	**17,742.81**		**5.22**	**0.07**	**18,854.91**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.98	0.16	14.05	0.00		0.00	0.08		0.00	0.08	0.00	24.96		0.03	0.00	25.49
Energy	0.08	0.68	0.36	0.00		0.00	0.05		0.00	0.05		852.70		0.02	0.02	857.89
Mobile	8.38	20.36	75.22	0.14	15.82	0.91	16.72	0.55	0.91	1.46		13,729.59		0.54		13,741.03
Total	**15.44**	**21.20**	**89.63**	**0.14**	**15.82**	**0.91**	**16.85**	**0.55**	**0.91**	**1.59**	**0.00**	**14,607.25**		**0.59**	**0.02**	**14,624.41**

3.0 Mobile Detail

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.38	20.36	75.22	0.14	15.82	0.91	16.72	0.55	0.91	1.46		13,729.59		0.54		13,741.03
Unmitigated	8.38	20.36	75.22	0.14	15.82	0.91	16.72	0.55	0.91	1.46		13,729.59		0.54		13,741.03
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,103.90	0.00	0.00	2,626,158	2,626,158
Health Club	0.00	0.00	0.00		
Parking Structure	0.00	0.00	0.00		
Quality Restaurant	225.00	0.00	0.00	292,247	292,247
Strip Mall	300.97	0.00	0.00	493,903	493,903
Total	1,629.87	0.00	0.00	3,412,308	3,412,308

3.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	12.70	7.00	9.50	40.20	19.20	40.60
Health Club	8.90	13.30	7.40	16.90	64.10	19.00
Parking Structure	8.90	13.30	7.40	0.00	0.00	0.00
Quality Restaurant	8.90	13.30	7.40	12.00	69.00	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

4.0 Energy Detail

4.1 Mitigation Measures Energy

Exceed Title 24

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.08	0.68	0.36	0.00		0.00	0.05		0.00	0.05		852.70		0.02	0.02	857.89
NaturalGas Unmitigated	0.09	0.79	0.41	0.01		0.00	0.06		0.00	0.06		1,000.26		0.02	0.02	1,006.35
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	6714.85	0.07	0.62	0.26	0.00		0.00	0.05		0.00	0.05		789.98		0.02	0.01	794.79
Health Club	159.756	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00		18.79		0.00	0.00	18.91
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Quality Restaurant	1595.96	0.02	0.16	0.13	0.00		0.00	0.01		0.00	0.01		187.76		0.00	0.00	188.90
Strip Mall	31.6712	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		3.73		0.00	0.00	3.75
Total		**0.09**	**0.80**	**0.40**	**0.00**		**0.00**	**0.06**		**0.00**	**0.06**		**1,000.26**		**0.02**	**0.01**	**1,006.35**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
Apartments Mid Rise	5.55142	0.06	0.51	0.22	0.00		0.00	0.04		0.00	0.04		653.11		0.01	0.01	657.08
Health Club	0.135364	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		15.93		0.00	0.00	16.02
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Quality Restaurant	1.534	0.02	0.15	0.13	0.00		0.00	0.01		0.00	0.01		180.47		0.00	0.00	181.57
Strip Mall	0.0271627	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		3.20		0.00	0.00	3.22
Total		**0.08**	**0.67**	**0.36**	**0.00**		**0.00**	**0.05**		**0.00**	**0.05**		**852.71**		**0.01**	**0.01**	**857.89**

5.0 Area Detail

5.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.98	0.16	14.05	0.00		0.00	0.08		0.00	0.08	0.00	24.96		0.03	0.00	25.49
Unmitigated	11.74	0.83	54.76	0.13		0.00	6.90		0.00	6.90	979.67	3,012.96		4.66	0.05	4,107.53
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.06					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.48					0.00	0.00		0.00	0.00						0.00
Hearth	4.75	0.66	40.70	0.13		0.00	6.83		0.00	6.82	979.67	2,988.00		4.64	0.05	4,082.03
Landscaping	0.44	0.16	14.05	0.00		0.00	0.08		0.00	0.08		24.96		0.03		25.49
Total	**11.73**	**0.82**	**54.75**	**0.13**		**0.00**	**6.91**		**0.00**	**6.90**	**979.67**	**3,012.96**		**4.67**	**0.05**	**4,107.52**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.06					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.48					0.00	0.00		0.00	0.00						0.00
Hearth	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
Landscaping	0.44	0.16	14.05	0.00		0.00	0.08		0.00	0.08		24.96		0.03		25.49
Total	**6.98**	**0.16**	**14.05**	**0.00**		**0.00**	**0.08**		**0.00**	**0.08**	**0.00**	**24.96**		**0.03**	**0.00**	**25.49**

Domain Project Recirculated Draft EIR - Future Plus Project Conditions

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Parking Structure	246	Space
Health Club	3.1	1000sqft
Quality Restaurant	2.5	1000sqft
Apartments Mid Rise	166	Dwelling Unit
Strip Mall	6.8	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Los Angeles Department of Water & Power
Climate Zone	9		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

Vehicle Trips - Weekday trip rate provided by traffic report prepared by KOA Corporation.

Area Mitigation - The proposed project would use low-VOC sealants and adhesives.

Energy Mitigation - The proposed project would exceed Title 24 Energy Code by more than 20 percent. The proposed project would also install photovoltaic panels.

2.0 Emissions Summary

2.1 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	11.74	0.83	54.76	0.13		0.00	6.90		0.00	6.90	979.67	3,012.96		4.66	0.05	4,107.53
Energy	0.09	0.79	0.41	0.01		0.00	0.06		0.00	0.06		1,000.26		0.02	0.02	1,006.35
Mobile	7.83	19.02	76.18	0.15	15.82	0.90	16.72	0.55	0.90	1.45		14,601.68		0.54		14,612.97
Total	**19.66**	**20.64**	**131.35**	**0.29**	**15.82**	**0.90**	**23.68**	**0.55**	**0.90**	**8.41**	**979.67**	**18,614.90**		**5.22**	**0.07**	**19,726.85**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.98	0.16	14.05	0.00		0.00	0.08		0.00	0.08	0.00	24.96		0.03	0.00	25.49
Energy	0.08	0.68	0.36	0.00		0.00	0.05		0.00	0.05		852.70		0.02	0.02	857.89
Mobile	7.83	19.02	76.18	0.15	15.82	0.90	16.72	0.55	0.90	1.45		14,601.68		0.54		14,612.97
Total	**14.89**	**19.86**	**90.59**	**0.15**	**15.82**	**0.90**	**16.85**	**0.55**	**0.90**	**1.58**	**0.00**	**15,479.34**		**0.59**	**0.02**	**15,496.35**

3.0 Mobile Detail

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.83	19.02	76.18	0.15	15.82	0.90	16.72	0.55	0.90	1.45		14,601.68		0.54		14,612.97
Unmitigated	7.83	19.02	76.18	0.15	15.82	0.90	16.72	0.55	0.90	1.45		14,601.68		0.54		14,612.97
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,103.90	0.00	0.00	2,626,158	2,626,158
Health Club	0.00	0.00	0.00		
Parking Structure	0.00	0.00	0.00		
Quality Restaurant	225.00	0.00	0.00	292,247	292,247
Strip Mall	300.97	0.00	0.00	493,903	493,903
Total	1,629.87	0.00	0.00	3,412,308	3,412,308

3.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	12.70	7.00	9.50	40.20	19.20	40.60
Health Club	8.90	13.30	7.40	16.90	64.10	19.00
Parking Structure	8.90	13.30	7.40	0.00	0.00	0.00
Quality Restaurant	8.90	13.30	7.40	12.00	69.00	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

4.0 Energy Detail

4.1 Mitigation Measures Energy

Exceed Title 24

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.08	0.68	0.36	0.00		0.00	0.05		0.00	0.05		852.70		0.02	0.02	857.89
NaturalGas Unmitigated	0.09	0.79	0.41	0.01		0.00	0.06		0.00	0.06		1,000.26		0.02	0.02	1,006.35
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day											lb/day				
Apartments Mid Rise	6714.85	0.07	0.62	0.26	0.00		0.00	0.05		0.00	0.05		789.98		0.02	0.01	794.79
Health Club	159.756	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00		18.79		0.00	0.00	18.91
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Quality Restaurant	1595.96	0.02	0.16	0.13	0.00		0.00	0.01		0.00	0.01		187.76		0.00	0.00	188.90
Strip Mall	31.6712	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		3.73		0.00	0.00	3.75
Total		**0.09**	**0.80**	**0.40**	**0.00**		**0.00**	**0.06**		**0.00**	**0.06**		**1,000.26**		**0.02**	**0.01**	**1,006.35**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day											lb/day				
Apartments Mid Rise	5.55142	0.06	0.51	0.22	0.00		0.00	0.04		0.00	0.04		653.11		0.01	0.01	657.08
Health Club	0.135364	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		15.93		0.00	0.00	16.02
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Quality Restaurant	1.534	0.02	0.15	0.13	0.00		0.00	0.01		0.00	0.01		180.47		0.00	0.00	181.57
Strip Mall	0.0271627	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		3.20		0.00	0.00	3.22
Total		**0.08**	**0.67**	**0.36**	**0.00**		**0.00**	**0.05**		**0.00**	**0.05**		**852.71**		**0.01**	**0.01**	**857.89**

5.0 Area Detail

5.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.98	0.16	14.05	0.00		0.00	0.08		0.00	0.08	0.00	24.96		0.03	0.00	25.49
Unmitigated	11.74	0.83	54.76	0.13		0.00	6.90		0.00	6.90	979.67	3,012.96		4.66	0.05	4,107.53
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.06					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.48					0.00	0.00		0.00	0.00						0.00
Hearth	4.75	0.66	40.70	0.13		0.00	6.83		0.00	6.82	979.67	2,988.00		4.64	0.05	4,082.03
Landscaping	0.44	0.16	14.05	0.00		0.00	0.08		0.00	0.08		24.96		0.03		25.49
Total	**11.73**	**0.82**	**54.75**	**0.13**		**0.00**	**6.91**		**0.00**	**6.90**	**979.67**	**3,012.96**		**4.67**	**0.05**	**4,107.52**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.06					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.48					0.00	0.00		0.00	0.00						0.00
Hearth	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
Landscaping	0.44	0.16	14.05	0.00		0.00	0.08		0.00	0.08		24.96		0.03		25.49
Total	**6.98**	**0.16**	**14.05**	**0.00**		**0.00**	**0.08**		**0.00**	**0.08**	**0.00**	**24.96**		**0.03**	**0.00**	**25.49**

Appendix E

Localized Emission Calculations and Output Files

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 7.5.0
** Lakes Environmental Software Inc.
** Date: 10/1/2012
** File: J:\Projects\Faith Plating 2012-054\Air Quality\AERMOD\Localized PM2.5\Faith Plating.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Domain Project
   MODELOPT CONC FLAT
   AVERTIME 24 ANNUAL
   URBANOPT 9862049
   POLLUTID PM_2.5
   RUNORNOT RUN
   ERRORFIL "Faith Plating.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION AREA1        AREA       375811.850  3773033.170          0.0
** DESCRSRC Construction Equipment
   LOCATION AREA2        AREA       375811.850  3773033.170          0.0
** DESCRSRC Off-Road Equipment
** Source Parameters **
   SRCPARAM AREA1        0.0000149689     5.000    64.025    82.170     0.000     0.000
   SRCPARAM AREA2        0.0000119751     0.000    64.025    82.170     0.000     0.000
   URBANSRC AREA1
   URBANSRC AREA2

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "PM2.5"
   EMISFACT AREA1        HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT AREA1        HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA2        HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA2        HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA2        HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT AREA2        HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP PM2.5    AREA1 AREA2
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
** DESCRREC "UCART1" "Receptors generated from Uniform Cartesian Grid"
   DISCCART    375811.53   3773118.95
   DISCCART    375829.57   3773118.95
   DISCCART    375847.61   3773118.95
   DISCCART    375865.65   3773118.95
   DISCCART    375883.69   3773118.95
   DISCCART    375901.73   3773118.95
   DISCCART    375811.53   3773140.71
   DISCCART    375829.57   3773140.71
   DISCCART    375847.61   3773140.71
   DISCCART    375865.65   3773140.71
   DISCCART    375883.69   3773140.71
   DISCCART    375901.73   3773140.71
   DISCCART    375811.53   3773162.47
   DISCCART    375829.57   3773162.47
   DISCCART    375847.61   3773162.47
   DISCCART    375865.65   3773162.47
   DISCCART    375883.69   3773162.47
   DISCCART    375901.73   3773162.47
   DISCCART    375811.53   3773184.23
   DISCCART    375829.57   3773184.23
   DISCCART    375847.61   3773184.23
   DISCCART    375865.65   3773184.23
   DISCCART    375883.69   3773184.23
   DISCCART    375901.73   3773184.23
   DISCCART    375811.53   3773205.99
   DISCCART    375829.57   3773205.99
   DISCCART    375847.61   3773205.99
   DISCCART    375865.65   3773205.99
   DISCCART    375883.69   3773205.99
   DISCCART    375901.73   3773205.99
   DISCCART    375811.53   3773227.75
   DISCCART    375829.57   3773227.75
   DISCCART    375847.61   3773227.75
   DISCCART    375865.65   3773227.75
   DISCCART    375883.69   3773227.75
   DISCCART    375901.73   3773227.75
   DISCCART    375718.64   3773050.44
   DISCCART    375734.96   3773050.44
   DISCCART    375751.28   3773050.44
   DISCCART    375767.60   3773050.44
   DISCCART    375783.92   3773050.44
   DISCCART    375800.24   3773050.44
   DISCCART    375718.64   3773077.20
   DISCCART    375734.96   3773077.20
   DISCCART    375751.28   3773077.20
   DISCCART    375767.60   3773077.20
   DISCCART    375783.92   3773077.20
   DISCCART    375800.24   3773077.20
```

```
   DISCCART    375718.64   3773103.96
   DISCCART    375734.96   3773103.96
   DISCCART    375751.28   3773103.96
   DISCCART    375767.60   3773103.96
   DISCCART    375783.92   3773103.96
   DISCCART    375800.24   3773103.96
   DISCCART    375718.64   3773139.64
   DISCCART    375734.96   3773139.64
   DISCCART    375751.28   3773139.64
   DISCCART    375767.60   3773139.64
   DISCCART    375783.92   3773139.64
   DISCCART    375800.24   3773139.64
   DISCCART    375718.64   3773166.40
   DISCCART    375734.96   3773166.40
   DISCCART    375751.28   3773166.40
   DISCCART    375767.60   3773166.40
   DISCCART    375783.92   3773166.40
   DISCCART    375800.24   3773166.40
   DISCCART    375718.64   3773202.08
   DISCCART    375734.96   3773202.08
   DISCCART    375751.28   3773202.08
   DISCCART    375767.60   3773202.08
   DISCCART    375783.92   3773202.08
   DISCCART    375800.24   3773202.08
   DISCCART    375718.64   3773228.84
   DISCCART    375734.96   3773228.84
   DISCCART    375751.28   3773228.84
   DISCCART    375767.60   3773228.84
   DISCCART    375783.92   3773228.84
   DISCCART    375800.24   3773228.84
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE "L:\Library & Reference\Wind Data\South Coast Air Basin\AERMOD Met Data\WSLA2.SFC"
   PROFFILE "L:\Library & Reference\Wind Data\South Coast Air Basin\AERMOD Met Data\WSLA2.PFL"
   SURFDATA 0 2005
   UAIRDATA 3190 2005
   PROFBASE 0.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "Faith Plating.AD\24H1GALL.PLT"
   PLOTFILE 24 PM2.5 1ST "Faith Plating.AD\24H1G001.PLT"
   PLOTFILE ANNUAL ALL "Faith Plating.AD\AN00GALL.PLT"
   PLOTFILE ANNUAL PM2.5 "Faith Plating.AD\AN00G000.PLT"
   SUMMFILE "Faith Plating.sum"
OU FINISHED

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION  11353 ***   *** Domain Project                                                    ***        10/01/12
                                  ***                                                                   ***        16:12:34
                                                                                                                   PAGE   1
 **MODELOPTs:  NonDFAULT CONC                                  FLAT


                                        ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     2 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   9862049.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Assumes Receptors on FLAT Terrain.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Used.

 **Model Assumes No FLAGPOLE Receptor Heights.

 **Model Calculates  1 Short Term Average(s) of:  24-HR
     and Calculates ANNUAL Averages

 **This Run Includes:      2 Source(s);       2 Source Group(s); and      78 Receptor(s)

 **The Model Assumes A Pollutant Type of:  PM_2.5

 **Model Set To Continue RUNning After the Setup Testing.

 **Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours
```

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 0.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Detailed Error/Message File: Faith Plating.err
**File for Summary of Results: Faith Plating.sum

**MODELOPTs: NonDFAULT CONC FLAT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	COORD (SW CORNER) Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
AREA1	0	0.14969E-04	375811.8	3773033.2	0.0	5.00	64.02	82.17	0.00	0.00	YES	HROFDY
AREA2	0	0.11975E-04	375811.8	3773033.2	0.0	0.00	64.02	82.17	0.00	0.00	YES	HROFDY

**MODELOPTs: NonDFAULT CONC FLAT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
PM2.5	AREA1 , AREA2 ,
ALL	AREA1 , AREA2 ,

**MODELOPTs: NonDFAULT CONC FLAT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = AREA1 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = AREA2 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

**MODELOPTs: NonDFAULT CONC FLAT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(375811.5, 3773118.9,	0.0,	0.0,	0.0);	(375829.6, 3773118.9,	0.0,	0.0,	0.0);
(375847.6, 3773118.9,	0.0,	0.0,	0.0);	(375865.6, 3773118.9,	0.0,	0.0,	0.0);
(375883.7, 3773118.9,	0.0,	0.0,	0.0);	(375901.7, 3773118.9,	0.0,	0.0,	0.0);
(375811.5, 3773140.7,	0.0,	0.0,	0.0);	(375829.6, 3773140.7,	0.0,	0.0,	0.0);
(375847.6, 3773140.7,	0.0,	0.0,	0.0);	(375865.6, 3773140.7,	0.0,	0.0,	0.0);
(375883.7, 3773140.7,	0.0,	0.0,	0.0);	(375901.7, 3773140.7,	0.0,	0.0,	0.0);
(375811.5, 3773162.5,	0.0,	0.0,	0.0);	(375829.6, 3773162.5,	0.0,	0.0,	0.0);
(375847.6, 3773162.5,	0.0,	0.0,	0.0);	(375865.6, 3773162.5,	0.0,	0.0,	0.0);
(375883.7, 3773162.5,	0.0,	0.0,	0.0);	(375901.7, 3773162.5,	0.0,	0.0,	0.0);
(375811.5, 3773184.2,	0.0,	0.0,	0.0);	(375829.6, 3773184.2,	0.0,	0.0,	0.0);
(375847.6, 3773184.2,	0.0,	0.0,	0.0);	(375865.6, 3773184.2,	0.0,	0.0,	0.0);
(375883.7, 3773184.2,	0.0,	0.0,	0.0);	(375901.7, 3773184.2,	0.0,	0.0,	0.0);
(375811.5, 3773206.0,	0.0,	0.0,	0.0);	(375829.6, 3773206.0,	0.0,	0.0,	0.0);
(375847.6, 3773206.0,	0.0,	0.0,	0.0);	(375865.6, 3773206.0,	0.0,	0.0,	0.0);
(375883.7, 3773206.0,	0.0,	0.0,	0.0);	(375901.7, 3773206.0,	0.0,	0.0,	0.0);
(375811.5, 3773227.8,	0.0,	0.0,	0.0);	(375829.6, 3773227.8,	0.0,	0.0,	0.0);
(375847.6, 3773227.8,	0.0,	0.0,	0.0);	(375865.6, 3773227.8,	0.0,	0.0,	0.0);
(375883.7, 3773227.8,	0.0,	0.0,	0.0);	(375901.7, 3773227.8,	0.0,	0.0,	0.0);
(375718.6, 3773050.4,	0.0,	0.0,	0.0);	(375735.0, 3773050.4,	0.0,	0.0,	0.0);
(375751.3, 3773050.4,	0.0,	0.0,	0.0);	(375767.6, 3773050.4,	0.0,	0.0,	0.0);
(375783.9, 3773050.4,	0.0,	0.0,	0.0);	(375800.2, 3773050.4,	0.0,	0.0,	0.0);
(375718.6, 3773077.2,	0.0,	0.0,	0.0);	(375735.0, 3773077.2,	0.0,	0.0,	0.0);
(375751.3, 3773077.2,	0.0,	0.0,	0.0);	(375767.6, 3773077.2,	0.0,	0.0,	0.0);
(375783.9, 3773077.2,	0.0,	0.0,	0.0);	(375800.2, 3773077.2,	0.0,	0.0,	0.0);
(375718.6, 3773104.0,	0.0,	0.0,	0.0);	(375735.0, 3773104.0,	0.0,	0.0,	0.0);
(375751.3, 3773104.0,	0.0,	0.0,	0.0);	(375767.6, 3773104.0,	0.0,	0.0,	0.0);
(375783.9, 3773104.0,	0.0,	0.0,	0.0);	(375800.2, 3773104.0,	0.0,	0.0,	0.0);
(375718.6, 3773139.6,	0.0,	0.0,	0.0);	(375735.0, 3773139.6,	0.0,	0.0,	0.0);
(375751.3, 3773139.6,	0.0,	0.0,	0.0);	(375767.6, 3773139.6,	0.0,	0.0,	0.0);
(375783.9, 3773139.6,	0.0,	0.0,	0.0);	(375800.2, 3773139.6,	0.0,	0.0,	0.0);
(375718.6, 3773166.4,	0.0,	0.0,	0.0);	(375735.0, 3773166.4,	0.0,	0.0,	0.0);
(375751.3, 3773166.4,	0.0,	0.0,	0.0);	(375767.6, 3773166.4,	0.0,	0.0,	0.0);
(375783.9, 3773166.4,	0.0,	0.0,	0.0);	(375800.2, 3773166.4,	0.0,	0.0,	0.0);
(375718.6, 3773202.1,	0.0,	0.0,	0.0);	(375735.0, 3773202.1,	0.0,	0.0,	0.0);
(375751.3, 3773202.1,	0.0,	0.0,	0.0);	(375767.6, 3773202.1,	0.0,	0.0,	0.0);
(375783.9, 3773202.1,	0.0,	0.0,	0.0);	(375800.2, 3773202.1,	0.0,	0.0,	0.0);
(375718.6, 3773228.8,	0.0,	0.0,	0.0);	(375735.0, 3773228.8,	0.0,	0.0,	0.0);

(375751.3, 3773228.8, 0.0, 0.0, 0.0); (375767.6, 3773228.8, 0.0, 0.0, 0.0);
(375783.9, 3773228.8, 0.0, 0.0, 0.0); (375800.2, 3773228.8, 0.0, 0.0, 0.0);

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

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1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
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1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: L:\Library & Reference\Wind Data\South Coast Air Basin\AERMOD Met Data\WSLA2.SFC Met Version: 11059
Profile file: L:\Library & Reference\Wind Data\South Coast Air Basin\AERMOD Met Data\WSLA2.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 0 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-0.9	0.033	-9.000	-9.000	-999.	14.	3.7	0.45	1.00	1.00	0.50	321.	9.1	281.1	5.5
05	01	01	1	02	-0.9	0.033	-9.000	-9.000	-999.	14.	3.8	0.45	1.00	1.00	0.50	320.	9.1	280.8	5.5
05	01	01	1	03	-0.9	0.033	-9.000	-9.000	-999.	14.	3.7	0.45	1.00	1.00	0.50	323.	9.1	280.9	5.5
05	01	01	1	04	-1.3	0.040	-9.000	-9.000	-999.	18.	4.4	0.45	1.00	1.00	0.60	316.	9.1	280.8	5.5
05	01	01	1	05	-1.3	0.040	-9.000	-9.000	-999.	18.	4.4	0.45	1.00	1.00	0.60	322.	9.1	280.4	5.5
05	01	01	1	06	-0.3	0.020	-9.000	-9.000	-999.	6.	2.3	0.45	1.00	1.00	0.30	352.	9.1	279.9	5.5
05	01	01	1	07	-2.3	0.053	-9.000	-9.000	-999.	28.	5.8	0.45	1.00	1.00	0.80	324.	9.1	279.6	5.5
05	01	01	1	08	-1.2	0.040	-9.000	-9.000	-999.	18.	4.8	0.45	1.00	0.55	0.60	336.	9.1	280.5	5.5
05	01	01	1	09	43.0	0.243	0.494	0.005	100.	276.	-30.0	0.45	1.00	0.32	1.50	44.	9.1	283.4	5.5
05	01	01	1	10	110.6	0.339	1.382	0.005	853.	454.	-31.5	0.45	1.00	0.24	2.10	74.	9.1	285.1	5.5
05	01	01	1	11	135.3	0.322	1.660	0.010	1210.	420.	-22.0	0.45	1.00	0.21	1.90	84.	9.1	286.4	5.5
05	01	01	1	12	14.3	0.223	0.786	0.010	1213.	247.	-69.7	0.45	1.00	0.20	1.50	137.	9.1	286.8	5.5
05	01	01	1	13	27.1	0.187	0.975	0.010	1219.	186.	-21.5	0.45	1.00	0.20	1.10	111.	9.1	286.9	5.5
05	01	01	1	14	17.1	0.179	0.837	0.009	1223.	174.	-29.8	0.45	1.00	0.21	1.10	186.	9.1	286.9	5.5
05	01	01	1	15	3.7	0.172	0.501	0.009	1223.	164.	-123.6	0.45	1.00	0.24	1.20	195.	9.1	286.1	5.5
05	01	01	1	16	0.1	0.147	0.151	0.009	1223.	130.	-2838.9	0.45	1.00	0.33	1.10	182.	9.1	285.9	5.5
05	01	01	1	17	-1.6	0.047	-9.000	-9.000	-999.	31.	5.5	0.45	1.00	0.59	0.70	159.	9.1	285.5	5.5
05	01	01	1	18	-0.2	0.019	-9.000	-9.000	-999.	6.	2.9	0.45	1.00	1.00	0.28	170.	9.1	285.1	5.5
05	01	01	1	19	-0.2	0.019	-9.000	-9.000	-999.	6.	2.9	0.45	1.00	1.00	0.28	186.	9.1	284.4	5.5
05	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.45	1.00	1.00	999.00	999.	-9.0	284.0	5.5
05	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.45	1.00	1.00	999.00	999.	-9.0	283.9	5.5
05	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.45	1.00	1.00	999.00	999.	-9.0	283.4	5.5
05	01	01	1	23	-0.2	0.019	-9.000	-9.000	-999.	6.	2.9	0.45	1.00	1.00	0.28	313.	9.1	283.4	5.5
05	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.45	1.00	1.00	999.00	999.	-9.0	283.4	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
05	01	01	01	5.5	0	-999.	-99.00	281.2	99.0	-99.00	-99.00
05	01	01	01	9.1	1	321.	0.50	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: PM2.5 ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
375811.53	3773118.95	10.55354	375829.57	3773118.95	20.53372
375847.61	3773118.95	22.91790	375865.65	3773118.95	21.47619
375883.69	3773118.95	10.65236	375901.73	3773118.95	4.96916
375811.53	3773140.71	4.97908	375829.57	3773140.71	8.09591
375847.61	3773140.71	9.93390	375865.65	3773140.71	9.78413
375883.69	3773140.71	7.43609	375901.73	3773140.71	4.58994
375811.53	3773162.47	2.93766	375829.57	3773162.47	4.28531
375847.61	3773162.47	5.31148	375865.65	3773162.47	5.52464
375883.69	3773162.47	4.81984	375901.73	3773162.47	3.62467
375811.53	3773184.23	1.92280	375829.57	3773184.23	2.62321
375847.61	3773184.23	3.21210	375865.65	3773184.23	3.45563
375883.69	3773184.23	3.26184	375901.73	3773184.23	2.74509
375811.53	3773205.99	1.35122	375829.57	3773205.99	1.76160
375847.61	3773205.99	2.12435	375865.65	3773205.99	2.32505
375883.69	3773205.99	2.30113	375901.73	3773205.99	2.07727
375811.53	3773227.75	0.99764	375829.57	3773227.75	1.25904
375847.61	3773227.75	1.49693	375865.65	3773227.75	1.65133
375883.69	3773227.75	1.68260	375901.73	3773227.75	1.59049
375718.64	3773050.44	0.70496	375734.96	3773050.44	0.93716
375751.28	3773050.44	1.30289	375767.60	3773050.44	1.92674

375783.92	3773050.44	3.11148	375800.24	3773050.44	5.75468
375718.64	3773077.20	0.75589	375734.96	3773077.20	1.02465
375751.28	3773077.20	1.45830	375767.60	3773077.20	2.21947
375783.92	3773077.20	3.72010	375800.24	3773077.20	7.20953
375718.64	3773103.96	0.70999	375734.96	3773103.96	0.95729
375751.28	3773103.96	1.35321	375767.60	3773103.96	2.04845
375783.92	3773103.96	3.43980	375800.24	3773103.96	6.78650
375718.64	3773139.64	0.56002	375734.96	3773139.64	0.72565
375751.28	3773139.64	0.97434	375767.60	3773139.64	1.37451
375783.92	3773139.64	2.07886	375800.24	3773139.64	3.45312
375718.64	3773166.40	0.44899	375734.96	3773166.40	0.56372
375751.28	3773166.40	0.72922	375767.60	3773166.40	0.98196
375783.92	3773166.40	1.39106	375800.24	3773166.40	2.05863
375718.64	3773202.08	0.33334	375734.96	3773202.08	0.40839
375751.28	3773202.08	0.51329	375767.60	3773202.08	0.66313
375783.92	3773202.08	0.87851	375800.24	3773202.08	1.17819
375718.64	3773228.84	0.27298	375734.96	3773228.84	0.33055
375751.28	3773228.84	0.40765	375767.60	3773228.84	0.51189
375783.92	3773228.84	0.65243	375800.24	3773228.84	0.83495

**MODELOPTs: NonDFAULT CONC FLAT

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
375811.53	3773118.95	10.55354	375829.57	3773118.95	20.53372
375847.61	3773118.95	22.91790	375865.65	3773118.95	21.47619
375883.69	3773118.95	10.65236	375901.73	3773118.95	4.96916
375811.53	3773140.71	4.97908	375829.57	3773140.71	8.09591
375847.61	3773140.71	9.93390	375865.65	3773140.71	9.78413
375883.69	3773140.71	7.43609	375901.73	3773140.71	4.58994
375811.53	3773162.47	2.93766	375829.57	3773162.47	4.28531
375847.61	3773162.47	5.31148	375865.65	3773162.47	5.52464
375883.69	3773162.47	4.81984	375901.73	3773162.47	3.62467
375811.53	3773184.23	1.92280	375829.57	3773184.23	2.62321
375847.61	3773184.23	3.21210	375865.65	3773184.23	3.45563
375883.69	3773184.23	3.26184	375901.73	3773184.23	2.74509
375811.53	3773205.99	1.35122	375829.57	3773205.99	1.76160
375847.61	3773205.99	2.12435	375865.65	3773205.99	2.32505
375883.69	3773205.99	2.30113	375901.73	3773205.99	2.07727
375811.53	3773227.75	0.99764	375829.57	3773227.75	1.25904
375847.61	3773227.75	1.49693	375865.65	3773227.75	1.65133
375883.69	3773227.75	1.68260	375901.73	3773227.75	1.59049
375718.64	3773050.44	0.70496	375734.96	3773050.44	0.93716
375751.28	3773050.44	1.30289	375767.60	3773050.44	1.92674
375783.92	3773050.44	3.11148	375800.24	3773050.44	5.75468
375718.64	3773077.20	0.75589	375734.96	3773077.20	1.02465
375751.28	3773077.20	1.45830	375767.60	3773077.20	2.21947
375783.92	3773077.20	3.72010	375800.24	3773077.20	7.20953
375718.64	3773103.96	0.70999	375734.96	3773103.96	0.95729
375751.28	3773103.96	1.35321	375767.60	3773103.96	2.04845
375783.92	3773103.96	3.43980	375800.24	3773103.96	6.78650
375718.64	3773139.64	0.56002	375734.96	3773139.64	0.72565
375751.28	3773139.64	0.97434	375767.60	3773139.64	1.37451
375783.92	3773139.64	2.07886	375800.24	3773139.64	3.45312
375718.64	3773166.40	0.44899	375734.96	3773166.40	0.56372
375751.28	3773166.40	0.72922	375767.60	3773166.40	0.98196
375783.92	3773166.40	1.39106	375800.24	3773166.40	2.05863
375718.64	3773202.08	0.33334	375734.96	3773202.08	0.40839
375751.28	3773202.08	0.51329	375767.60	3773202.08	0.66313
375783.92	3773202.08	0.87851	375800.24	3773202.08	1.17819
375718.64	3773228.84	0.27298	375734.96	3773228.84	0.33055
375751.28	3773228.84	0.40765	375767.60	3773228.84	0.51189
375783.92	3773228.84	0.65243	375800.24	3773228.84	0.83495

**MODELOPTs: NonDFAULT CONC FLAT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PM2.5 ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
375811.53	3773118.95	42.11947m (06021024)	375829.57	3773118.95	50.40186m (05111724)
375847.61	3773118.95	51.23310m (05081624)	375865.65	3773118.95	54.02530m (05102224)
375883.69	3773118.95	39.18391m (05031324)	375901.73	3773118.95	21.86731 (06122724)
375811.53	3773140.71	23.81877m (06021024)	375829.57	3773140.71	22.60837m (05120124)
375847.61	3773140.71	23.26802 (07022224)	375865.65	3773140.71	24.75130m (05081624)
375883.69	3773140.71	24.93080m (05031324)	375901.73	3773140.71	18.38890m (05031324)
375811.53	3773162.47	15.18373m (06021024)	375829.57	3773162.47	12.77935m (05120124)
375847.61	3773162.47	13.79364 (07022224)	375865.65	3773162.47	14.68029 (07022224)
375883.69	3773162.47	14.77470m (06012724)	375901.73	3773162.47	13.58649m (05031324)
375811.53	3773184.23	9.28346m (06021024)	375829.57	3773184.23	8.05947m (05120124)
375847.61	3773184.23	8.88941 (07022224)	375865.65	3773184.23	9.80535 (07022224)
375883.69	3773184.23	9.94271m (06012724)	375901.73	3773184.23	10.69477m (06012724)
375811.53	3773205.99	5.68834 (05010824)	375829.57	3773205.99	5.50646m (06090424)
375847.61	3773205.99	6.17216 (07022224)	375865.65	3773205.99	6.87274 (07022224)
375883.69	3773205.99	7.01673 (07022224)	375901.73	3773205.99	8.09050m (06012724)
375811.53	3773227.75	4.37800 (05010824)	375829.57	3773227.75	4.12036m (06090424)
375847.61	3773227.75	4.53538 (07022224)	375865.65	3773227.75	5.02623 (07022224)
375883.69	3773227.75	5.27729 (07022224)	375901.73	3773227.75	5.90176m (06012724)
375718.64	3773050.44	11.22409m (06021824)	375734.96	3773050.44	13.27015m (06021824)
375751.28	3773050.44	15.96414m (06021824)	375767.60	3773050.44	19.83954m (06021824)
375783.92	3773050.44	25.95118m (06021824)	375800.24	3773050.44	38.04892m (06010124)
375718.64	3773077.20	10.42633m (05112224)	375734.96	3773077.20	11.78703m (05112224)
375751.28	3773077.20	13.79702m (06021824)	375767.60	3773077.20	18.54487m (06021824)
375783.92	3773077.20	25.49249m (06021824)	375800.24	3773077.20	36.47147m (06010124)
375718.64	3773103.96	7.95205 (05112524)	375734.96	3773103.96	9.29269 (05112524)
375751.28	3773103.96	11.17414 (05112524)	375767.60	3773103.96	13.96788 (05112524)

375783.92	3773103.96	18.40701	(05112524)	375800.24	3773103.96	26.57532	(05122624)
375718.64	3773139.64	7.60544m	(05111724)	375734.96	3773139.64	8.96636m	(05111724)
375751.28	3773139.64	10.46208m	(05111724)	375767.60	3773139.64	12.03815m	(05111724)
375783.92	3773139.64	15.29367m	(06021024)	375800.24	3773139.64	22.79550m	(06021024)
375718.64	3773166.40	6.90712m	(05111724)	375734.96	3773166.40	6.90765m	(05111724)
375751.28	3773166.40	6.50999m	(05111724)	375767.60	3773166.40	10.75072m	(06021024)
375783.92	3773166.40	14.72100m	(06021024)	375800.24	3773166.40	15.17965m	(06021024)
375718.64	3773202.08	3.70966	(07010624)	375734.96	3773202.08	5.83176m	(06021024)
375751.28	3773202.08	8.71289m	(06021024)	375767.60	3773202.08	10.41550m	(06021024)
375783.92	3773202.08	9.81895m	(06021024)	375800.24	3773202.08	7.66978m	(06021024)
375718.64	3773228.84	4.94995m	(06021024)	375734.96	3773228.84	7.15785m	(06021024)
375751.28	3773228.84	8.40960m	(06021024)	375767.60	3773228.84	7.91789m	(06021024)
375783.92	3773228.84	6.12948m	(06021024)	375800.24	3773228.84	4.64522	(07121324)

**MODELOPTs: NonDFAULT CONC FLAT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
375811.53	3773118.95	42.11947m	(06021024)	375829.57	3773118.95	50.40186m	(05111724)
375847.61	3773118.95	51.23310m	(05081624)	375865.65	3773118.95	54.02530m	(05102224)
375883.69	3773118.95	39.18391m	(05031324)	375901.73	3773118.95	21.86731	(06122724)
375811.53	3773140.71	23.81877m	(06021024)	375829.57	3773140.71	22.60837m	(05120124)
375847.61	3773140.71	23.26802	(07022224)	375865.65	3773140.71	24.75130m	(05081624)
375883.69	3773140.71	24.93080m	(05031324)	375901.73	3773140.71	18.38890m	(05031324)
375811.53	3773162.47	15.18373m	(06021024)	375829.57	3773162.47	12.77935m	(05120124)
375847.61	3773162.47	13.79364	(07022224)	375865.65	3773162.47	14.68029	(07022224)
375883.69	3773162.47	14.77470m	(06012724)	375901.73	3773162.47	13.58649m	(05031324)
375811.53	3773184.23	9.28346m	(06021024)	375829.57	3773184.23	8.05947m	(05120124)
375847.61	3773184.23	8.88941	(07022224)	375865.65	3773184.23	9.80535	(07022224)
375883.69	3773184.23	9.94271m	(06012724)	375901.73	3773184.23	10.69477m	(06012724)
375811.53	3773205.99	5.68834	(05010824)	375829.57	3773205.99	5.50646m	(06090424)
375847.61	3773205.99	6.17216	(07022224)	375865.65	3773205.99	6.87274	(07022224)
375883.69	3773205.99	7.01673	(07022224)	375901.73	3773205.99	8.09050m	(06012724)
375811.53	3773227.75	4.37800	(05010824)	375829.57	3773227.75	4.12036m	(06090424)
375847.61	3773227.75	4.53538	(07022224)	375865.65	3773227.75	5.02623	(07022224)
375883.69	3773227.75	5.27729	(07022224)	375901.73	3773227.75	5.90176m	(06012724)
375718.64	3773050.44	11.22409m	(06021824)	375734.96	3773050.44	13.27015m	(06021824)
375751.28	3773050.44	15.96414m	(06021824)	375767.60	3773050.44	19.83954m	(06021824)
375783.92	3773050.44	25.95118m	(06021824)	375800.24	3773050.44	38.04892m	(06010124)
375718.64	3773077.20	10.42633m	(05112224)	375734.96	3773077.20	11.78703m	(05112224)
375751.28	3773077.20	13.79702m	(06021824)	375767.60	3773077.20	18.54487m	(06021824)
375783.92	3773077.20	25.49249m	(06021824)	375800.24	3773077.20	36.47147m	(06010124)
375718.64	3773103.96	7.95205	(05112524)	375734.96	3773103.96	9.29269	(05112524)
375751.28	3773103.96	11.17414	(05112524)	375767.60	3773103.96	13.96788	(05112524)
375783.92	3773103.96	18.40701	(05112524)	375800.24	3773103.96	26.57532	(05122624)
375718.64	3773139.64	7.60544m	(05111724)	375734.96	3773139.64	8.96636m	(05111724)
375751.28	3773139.64	10.46208m	(05111724)	375767.60	3773139.64	12.03815m	(05111724)
375783.92	3773139.64	15.29367m	(06021024)	375800.24	3773139.64	22.79550m	(06021024)
375718.64	3773166.40	6.90712m	(05111724)	375734.96	3773166.40	6.90765m	(05111724)
375751.28	3773166.40	6.50999m	(05111724)	375767.60	3773166.40	10.75072m	(06021024)
375783.92	3773166.40	14.72100m	(06021024)	375800.24	3773166.40	15.17965m	(06021024)
375718.64	3773202.08	3.70966	(07010624)	375734.96	3773202.08	5.83176m	(06021024)
375751.28	3773202.08	8.71289m	(06021024)	375767.60	3773202.08	10.41550m	(06021024)
375783.92	3773202.08	9.81895m	(06021024)	375800.24	3773202.08	7.66978m	(06021024)
375718.64	3773228.84	4.94995m	(06021024)	375734.96	3773228.84	7.15785m	(06021024)
375751.28	3773228.84	8.40960m	(06021024)	375767.60	3773228.84	7.91789m	(06021024)
375783.92	3773228.84	6.12948m	(06021024)	375800.24	3773228.84	4.64522	(07121324)

**MODELOPTs: NonDFAULT CONC FLAT

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
PM2.5	1ST HIGHEST VALUE IS	22.91790	AT (375847.61, 3773118.95, 0.00, 0.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	21.47619	AT (375865.65, 3773118.95, 0.00, 0.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	20.53372	AT (375829.57, 3773118.95, 0.00, 0.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	10.65236	AT (375883.69, 3773118.95, 0.00, 0.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	10.55354	AT (375811.53, 3773118.95, 0.00, 0.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	9.93390	AT (375847.61, 3773140.71, 0.00, 0.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	9.78413	AT (375865.65, 3773140.71, 0.00, 0.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	8.09591	AT (375829.57, 3773140.71, 0.00, 0.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	7.43609	AT (375883.69, 3773140.71, 0.00, 0.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	7.20953	AT (375800.24, 3773077.20, 0.00, 0.00, 0.00)	DC	
ALL	1ST HIGHEST VALUE IS	22.91790	AT (375847.61, 3773118.95, 0.00, 0.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	21.47619	AT (375865.65, 3773118.95, 0.00, 0.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	20.53372	AT (375829.57, 3773118.95, 0.00, 0.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	10.65236	AT (375883.69, 3773118.95, 0.00, 0.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	10.55354	AT (375811.53, 3773118.95, 0.00, 0.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	9.93390	AT (375847.61, 3773140.71, 0.00, 0.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	9.78413	AT (375865.65, 3773140.71, 0.00, 0.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	8.09591	AT (375829.57, 3773140.71, 0.00, 0.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	7.43609	AT (375883.69, 3773140.71, 0.00, 0.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	7.20953	AT (375800.24, 3773077.20, 0.00, 0.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

**MODELOPTs: NonDFAULT CONC FLAT

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
PM2.5	HIGH 1ST HIGH VALUE IS	54.02530m	ON 05102224: AT (375865.65, 3773118.95, 0.00, 0.00, 0.00)	DC	
ALL	HIGH 1ST HIGH VALUE IS	54.02530m	ON 05102224: AT (375865.65, 3773118.95, 0.00, 0.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

**MODELOPTs: NonDFAULT CONC FLAT

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 1753 Informational Message(s)

A Total of 26280 Hours Were Processed

A Total of 0 Calm Hours Identified

A Total of 1753 Missing Hours Identified (6.67 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
*** NONE ***

****
*** AERMOD Finishes Successfully ***
****

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**
** AERMOD Input Produced by:
** AERMOD View Ver. 7.5.0
** Lakes Environmental Software Inc.
** Date: 10/1/2012
** File: J:\Projects\Faith Plating 2012-054\Air Quality\AERMOD\Localized PM10\Local PM10\Local PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE Domain Project
   MODELOPT CONC FLAT
   AVERTIME 24 ANNUAL
   URBANOPT 9862049
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Local PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION AREA1        AREA       375811.850  3773033.170          0.0
** DESCRSRC Construction Equipment
   LOCATION AREA2        AREA       375811.850  3773033.170          0.0
** DESCRSRC Off-Road Equipment
** Source Parameters **
   SRCPARAM AREA1        0.0000209565     5.000    64.025    82.170     0.000     0.000
   SRCPARAM AREA2        0.0000179627     0.000    64.025    82.170     0.000     0.000
   URBANSRC AREA1
   URBANSRC AREA2

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "PM2.5"
   EMISFACT AREA1        HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA1        HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA1        HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT AREA1        HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA2        HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT AREA2        HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT AREA2        HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT AREA2        HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP PM2.5    AREA1 AREA2
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
** DESCRREC "UCART1" "Receptors generated from Uniform Cartesian Grid"
   DISCCART    375811.53   3773118.95
   DISCCART    375829.57   3773118.95
   DISCCART    375847.61   3773118.95
   DISCCART    375865.65   3773118.95
   DISCCART    375883.69   3773118.95
   DISCCART    375901.73   3773118.95
   DISCCART    375811.53   3773140.71
   DISCCART    375829.57   3773140.71
   DISCCART    375847.61   3773140.71
   DISCCART    375865.65   3773140.71
   DISCCART    375883.69   3773140.71
   DISCCART    375901.73   3773140.71
   DISCCART    375811.53   3773162.47
   DISCCART    375829.57   3773162.47
   DISCCART    375847.61   3773162.47
   DISCCART    375865.65   3773162.47
   DISCCART    375883.69   3773162.47
   DISCCART    375901.73   3773162.47
   DISCCART    375811.53   3773184.23
   DISCCART    375829.57   3773184.23
   DISCCART    375847.61   3773184.23
   DISCCART    375865.65   3773184.23
   DISCCART    375883.69   3773184.23
   DISCCART    375901.73   3773184.23
   DISCCART    375811.53   3773205.99
   DISCCART    375829.57   3773205.99
   DISCCART    375847.61   3773205.99
   DISCCART    375865.65   3773205.99
   DISCCART    375883.69   3773205.99
   DISCCART    375901.73   3773205.99
   DISCCART    375811.53   3773227.75
   DISCCART    375829.57   3773227.75
   DISCCART    375847.61   3773227.75
   DISCCART    375865.65   3773227.75
   DISCCART    375883.69   3773227.75
   DISCCART    375901.73   3773227.75
   DISCCART    375718.64   3773050.44
   DISCCART    375734.96   3773050.44
   DISCCART    375751.28   3773050.44
   DISCCART    375767.60   3773050.44
   DISCCART    375783.92   3773050.44
   DISCCART    375800.24   3773050.44
   DISCCART    375718.64   3773077.20
   DISCCART    375734.96   3773077.20
   DISCCART    375751.28   3773077.20
   DISCCART    375767.60   3773077.20
   DISCCART    375783.92   3773077.20
   DISCCART    375800.24   3773077.20
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   DISCCART    375718.64   3773103.96
   DISCCART    375734.96   3773103.96
   DISCCART    375751.28   3773103.96
   DISCCART    375767.60   3773103.96
   DISCCART    375783.92   3773103.96
   DISCCART    375800.24   3773103.96
   DISCCART    375718.64   3773139.64
   DISCCART    375734.96   3773139.64
   DISCCART    375751.28   3773139.64
   DISCCART    375767.60   3773139.64
   DISCCART    375783.92   3773139.64
   DISCCART    375800.24   3773139.64
   DISCCART    375718.64   3773166.40
   DISCCART    375734.96   3773166.40
   DISCCART    375751.28   3773166.40
   DISCCART    375767.60   3773166.40
   DISCCART    375783.92   3773166.40
   DISCCART    375800.24   3773166.40
   DISCCART    375718.64   3773202.08
   DISCCART    375734.96   3773202.08
   DISCCART    375751.28   3773202.08
   DISCCART    375767.60   3773202.08
   DISCCART    375783.92   3773202.08
   DISCCART    375800.24   3773202.08
   DISCCART    375718.64   3773228.84
   DISCCART    375734.96   3773228.84
   DISCCART    375751.28   3773228.84
   DISCCART    375767.60   3773228.84
   DISCCART    375783.92   3773228.84
   DISCCART    375800.24   3773228.84
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE WSLA2.SFC
   PROFFILE WSLA2.PFL
   SURFDATA 0 2005
   UAIRDATA 3190 2005
   PROFBASE 0.0 FEET
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "LOCAL PM10.AD\24H1GALL.PLT"
   PLOTFILE 24 PM2.5 1ST "LOCAL PM10.AD\24H1G001.PLT"
   PLOTFILE ANNUAL ALL "LOCAL PM10.AD\AN00GALL.PLT"
   PLOTFILE ANNUAL PM2.5 "LOCAL PM10.AD\AN00G000.PLT"
   SUMMFILE "Local PM10.sum"
OU FINISHED

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION  11353 ***   *** Domain Project                                                    ***        10/01/12
                                  ***                                                                   ***        16:08:56
                                                                                                                   PAGE   1
 **MODELOPTs:  NonDFAULT CONC                                  FLAT


                                        ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     2 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   9862049.0 ;  Urban Roughness Length =  1.000 m

 **Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Assumes Receptors on FLAT Terrain.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Used.

 **Model Assumes No FLAGPOLE Receptor Heights.

 **Model Calculates  1 Short Term Average(s) of:  24-HR
     and Calculates ANNUAL Averages

 **This Run Includes:      2 Source(s);       2 Source Group(s); and      78 Receptor(s)

 **The Model Assumes A Pollutant Type of:  PM_10

 **Model Set To Continue RUNning After the Setup Testing.

 **Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and Missing Hours
```

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 0.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Detailed Error/Message File: Local PM10.err
**File for Summary of Results: Local PM10.sum

**MODELOPTs: NonDFAULT CONC FLAT

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	COORD (SW CORNER) Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
AREA1	0	0.20957E-04	375811.8	3773033.2	0.0	5.00	64.02	82.17	0.00	0.00	YES	HROFDY
AREA2	0	0.17963E-04	375811.8	3773033.2	0.0	0.00	64.02	82.17	0.00	0.00	YES	HROFDY

**MODELOPTs: NonDFAULT CONC FLAT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
PM2.5	AREA1 , AREA2 ,
ALL	AREA1 , AREA2 ,

**MODELOPTs: NonDFAULT CONC FLAT

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = AREA1 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = AREA2 ; SOURCE TYPE = AREA :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

**MODELOPTs: NonDFAULT CONC FLAT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(375811.5, 3773118.9,	0.0,	0.0,	0.0);	(375829.6, 3773118.9,	0.0,	0.0,	0.0);
(375847.6, 3773118.9,	0.0,	0.0,	0.0);	(375865.6, 3773118.9,	0.0,	0.0,	0.0);
(375883.7, 3773118.9,	0.0,	0.0,	0.0);	(375901.7, 3773118.9,	0.0,	0.0,	0.0);
(375811.5, 3773140.7,	0.0,	0.0,	0.0);	(375829.6, 3773140.7,	0.0,	0.0,	0.0);
(375847.6, 3773140.7,	0.0,	0.0,	0.0);	(375865.6, 3773140.7,	0.0,	0.0,	0.0);
(375883.7, 3773140.7,	0.0,	0.0,	0.0);	(375901.7, 3773140.7,	0.0,	0.0,	0.0);
(375811.5, 3773162.5,	0.0,	0.0,	0.0);	(375829.6, 3773162.5,	0.0,	0.0,	0.0);
(375847.6, 3773162.5,	0.0,	0.0,	0.0);	(375865.6, 3773162.5,	0.0,	0.0,	0.0);
(375883.7, 3773162.5,	0.0,	0.0,	0.0);	(375901.7, 3773162.5,	0.0,	0.0,	0.0);
(375811.5, 3773184.2,	0.0,	0.0,	0.0);	(375829.6, 3773184.2,	0.0,	0.0,	0.0);
(375847.6, 3773184.2,	0.0,	0.0,	0.0);	(375865.6, 3773184.2,	0.0,	0.0,	0.0);
(375883.7, 3773184.2,	0.0,	0.0,	0.0);	(375901.7, 3773184.2,	0.0,	0.0,	0.0);
(375811.5, 3773206.0,	0.0,	0.0,	0.0);	(375829.6, 3773206.0,	0.0,	0.0,	0.0);
(375847.6, 3773206.0,	0.0,	0.0,	0.0);	(375865.6, 3773206.0,	0.0,	0.0,	0.0);
(375883.7, 3773206.0,	0.0,	0.0,	0.0);	(375901.7, 3773206.0,	0.0,	0.0,	0.0);
(375811.5, 3773227.8,	0.0,	0.0,	0.0);	(375829.6, 3773227.8,	0.0,	0.0,	0.0);
(375847.6, 3773227.8,	0.0,	0.0,	0.0);	(375865.6, 3773227.8,	0.0,	0.0,	0.0);
(375883.7, 3773227.8,	0.0,	0.0,	0.0);	(375901.7, 3773227.8,	0.0,	0.0,	0.0);
(375718.6, 3773050.4,	0.0,	0.0,	0.0);	(375735.0, 3773050.4,	0.0,	0.0,	0.0);
(375751.3, 3773050.4,	0.0,	0.0,	0.0);	(375767.6, 3773050.4,	0.0,	0.0,	0.0);
(375783.9, 3773050.4,	0.0,	0.0,	0.0);	(375800.2, 3773050.4,	0.0,	0.0,	0.0);
(375718.6, 3773077.2,	0.0,	0.0,	0.0);	(375735.0, 3773077.2,	0.0,	0.0,	0.0);
(375751.3, 3773077.2,	0.0,	0.0,	0.0);	(375767.6, 3773077.2,	0.0,	0.0,	0.0);
(375783.9, 3773077.2,	0.0,	0.0,	0.0);	(375800.2, 3773077.2,	0.0,	0.0,	0.0);
(375718.6, 3773104.0,	0.0,	0.0,	0.0);	(375735.0, 3773104.0,	0.0,	0.0,	0.0);
(375751.3, 3773104.0,	0.0,	0.0,	0.0);	(375767.6, 3773104.0,	0.0,	0.0,	0.0);
(375783.9, 3773104.0,	0.0,	0.0,	0.0);	(375800.2, 3773104.0,	0.0,	0.0,	0.0);
(375718.6, 3773139.6,	0.0,	0.0,	0.0);	(375735.0, 3773139.6,	0.0,	0.0,	0.0);
(375751.3, 3773139.6,	0.0,	0.0,	0.0);	(375767.6, 3773139.6,	0.0,	0.0,	0.0);
(375783.9, 3773139.6,	0.0,	0.0,	0.0);	(375800.2, 3773139.6,	0.0,	0.0,	0.0);
(375718.6, 3773166.4,	0.0,	0.0,	0.0);	(375735.0, 3773166.4,	0.0,	0.0,	0.0);
(375751.3, 3773166.4,	0.0,	0.0,	0.0);	(375767.6, 3773166.4,	0.0,	0.0,	0.0);
(375783.9, 3773166.4,	0.0,	0.0,	0.0);	(375800.2, 3773166.4,	0.0,	0.0,	0.0);
(375718.6, 3773202.1,	0.0,	0.0,	0.0);	(375735.0, 3773202.1,	0.0,	0.0,	0.0);
(375751.3, 3773202.1,	0.0,	0.0,	0.0);	(375767.6, 3773202.1,	0.0,	0.0,	0.0);
(375783.9, 3773202.1,	0.0,	0.0,	0.0);	(375800.2, 3773202.1,	0.0,	0.0,	0.0);
(375718.6, 3773228.8,	0.0,	0.0,	0.0);	(375735.0, 3773228.8,	0.0,	0.0,	0.0);

(375751.3, 3773228.8, 0.0, 0.0, 0.0); (375767.6, 3773228.8, 0.0, 0.0, 0.0);
(375783.9, 3773228.8, 0.0, 0.0, 0.0); (375800.2, 3773228.8, 0.0, 0.0, 0.0);

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: WSLA2.SFC Met Version: 11059
Profile file: WSLA2.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 0 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-0.9	0.033	-9.000	-9.000	-999.	14.	3.7	0.45	1.00	1.00	0.50	321.	9.1	281.1	5.5
05	01	01	1	02	-0.9	0.033	-9.000	-9.000	-999.	14.	3.8	0.45	1.00	1.00	0.50	320.	9.1	280.8	5.5
05	01	01	1	03	-0.9	0.033	-9.000	-9.000	-999.	14.	3.7	0.45	1.00	1.00	0.50	323.	9.1	280.9	5.5
05	01	01	1	04	-1.3	0.040	-9.000	-9.000	-999.	18.	4.4	0.45	1.00	1.00	0.60	316.	9.1	280.8	5.5
05	01	01	1	05	-1.3	0.040	-9.000	-9.000	-999.	18.	4.4	0.45	1.00	1.00	0.60	322.	9.1	280.4	5.5
05	01	01	1	06	-0.3	0.020	-9.000	-9.000	-999.	6.	2.3	0.45	1.00	1.00	0.30	352.	9.1	279.9	5.5
05	01	01	1	07	-2.3	0.053	-9.000	-9.000	-999.	28.	5.8	0.45	1.00	1.00	0.80	324.	9.1	279.6	5.5
05	01	01	1	08	-1.2	0.040	-9.000	-9.000	-999.	18.	4.8	0.45	1.00	0.55	0.60	336.	9.1	280.5	5.5
05	01	01	1	09	43.0	0.243	0.494	0.005	100.	276.	-30.0	0.45	1.00	0.32	1.50	44.	9.1	283.4	5.5
05	01	01	1	10	110.6	0.339	1.382	0.005	853.	454.	-31.5	0.45	1.00	0.24	2.10	74.	9.1	285.1	5.5
05	01	01	1	11	135.3	0.322	1.660	0.010	1210.	420.	-22.0	0.45	1.00	0.21	1.90	84.	9.1	286.4	5.5
05	01	01	1	12	14.3	0.223	0.786	0.010	1213.	247.	-69.7	0.45	1.00	0.20	1.50	137.	9.1	286.8	5.5
05	01	01	1	13	27.1	0.187	0.975	0.010	1219.	186.	-21.5	0.45	1.00	0.20	1.10	111.	9.1	286.9	5.5
05	01	01	1	14	17.1	0.179	0.837	0.009	1223.	174.	-29.8	0.45	1.00	0.21	1.10	186.	9.1	286.9	5.5
05	01	01	1	15	3.7	0.172	0.501	0.009	1223.	164.	-123.6	0.45	1.00	0.24	1.20	195.	9.1	286.1	5.5
05	01	01	1	16	0.1	0.147	0.151	0.009	1223.	130.	-2838.9	0.45	1.00	0.33	1.10	182.	9.1	285.9	5.5
05	01	01	1	17	-1.6	0.047	-9.000	-9.000	-999.	31.	5.5	0.45	1.00	0.59	0.70	159.	9.1	285.5	5.5
05	01	01	1	18	-0.2	0.019	-9.000	-9.000	-999.	6.	2.9	0.45	1.00	1.00	0.28	170.	9.1	285.1	5.5
05	01	01	1	19	-0.2	0.019	-9.000	-9.000	-999.	6.	2.9	0.45	1.00	1.00	0.28	186.	9.1	284.4	5.5
05	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.45	1.00	1.00	999.00	999.	-9.0	284.0	5.5
05	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.45	1.00	1.00	999.00	999.	-9.0	283.9	5.5
05	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.45	1.00	1.00	999.00	999.	-9.0	283.4	5.5
05	01	01	1	23	-0.2	0.019	-9.000	-9.000	-999.	6.	2.9	0.45	1.00	1.00	0.28	313.	9.1	283.4	5.5
05	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.45	1.00	1.00	999.00	999.	-9.0	283.4	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
05	01	01	01	5.5	0	-999.	-99.00	281.2	99.0	-99.00	-99.00
05	01	01	01	9.1	1	321.	0.50	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: PM2.5 ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
375811.53	3773118.95	15.45688	375829.57	3773118.95	30.20153
375847.61	3773118.95	33.66709	375865.65	3773118.95	31.55129
375883.69	3773118.95	15.49568	375901.73	3773118.95	7.18791
375811.53	3773140.71	7.20586	375829.57	3773140.71	11.73078
375847.61	3773140.71	14.39786	375865.65	3773140.71	14.18086
375883.69	3773140.71	10.77038	375901.73	3773140.71	6.63978
375811.53	3773162.47	4.24413	375829.57	3773162.47	6.19794
375847.61	3773162.47	7.68779	375865.65	3773162.47	7.99926
375883.69	3773162.47	6.97853	375901.73	3773162.47	5.24538
375811.53	3773184.23	2.77632	375829.57	3773184.23	3.79188
375847.61	3773184.23	4.64744	375865.65	3773184.23	5.00270
375883.69	3773184.23	4.72303	375901.73	3773184.23	3.97387
375811.53	3773205.99	1.95038	375829.57	3773205.99	2.54563
375847.61	3773205.99	3.07291	375865.65	3773205.99	3.36559
375883.69	3773205.99	3.33206	375901.73	3773205.99	3.00777
375811.53	3773227.75	1.43974	375829.57	3773227.75	1.81904
375847.61	3773227.75	2.16496	375865.65	3773227.75	2.39007
375883.69	3773227.75	2.43634	375901.73	3773227.75	2.30316
375718.64	3773050.44	1.01971	375734.96	3773050.44	1.35567
375751.28	3773050.44	1.88500	375767.60	3773050.44	2.78867

375783.92	3773050.44	4.50846	375800.24	3773050.44	8.38537
375718.64	3773077.20	1.09337	375734.96	3773077.20	1.48225
375751.28	3773077.20	2.10984	375767.60	3773077.20	3.21203
375783.92	3773077.20	5.38910	375800.24	3773077.20	10.49554
375718.64	3773103.96	1.02653	375734.96	3773103.96	1.38419
375751.28	3773103.96	1.95688	375767.60	3773103.96	2.96297
375783.92	3773103.96	4.97988	375800.24	3773103.96	9.87205
375718.64	3773139.64	0.80884	375734.96	3773139.64	1.04800
375751.28	3773139.64	1.40706	375767.60	3773139.64	1.98487
375783.92	3773139.64	3.00248	375800.24	3773139.64	4.99219
375718.64	3773166.40	0.64805	375734.96	3773166.40	0.81349
375751.28	3773166.40	1.05209	375767.60	3773166.40	1.41650
375783.92	3773166.40	2.00686	375800.24	3773166.40	2.97174
375718.64	3773202.08	0.48068	375734.96	3773202.08	0.58876
375751.28	3773202.08	0.73985	375767.60	3773202.08	0.95575
375783.92	3773202.08	1.26647	375800.24	3773202.08	1.69960
375718.64	3773228.84	0.39345	375734.96	3773228.84	0.47633
375751.28	3773228.84	0.58734	375767.60	3773228.84	0.73752
375783.92	3773228.84	0.94029	375800.24	3773228.84	1.20416

**MODELOPTs: NonDFAULT CONC FLAT

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
375811.53	3773118.95	15.45688	375829.57	3773118.95	30.20153
375847.61	3773118.95	33.66709	375865.65	3773118.95	31.55129
375883.69	3773118.95	15.49568	375901.73	3773118.95	7.18791
375811.53	3773140.71	7.20586	375829.57	3773140.71	11.73078
375847.61	3773140.71	14.39786	375865.65	3773140.71	14.18086
375883.69	3773140.71	10.77038	375901.73	3773140.71	6.63978
375811.53	3773162.47	4.24413	375829.57	3773162.47	6.19794
375847.61	3773162.47	7.68779	375865.65	3773162.47	7.99926
375883.69	3773162.47	6.97853	375901.73	3773162.47	5.24538
375811.53	3773184.23	2.77632	375829.57	3773184.23	3.79188
375847.61	3773184.23	4.64744	375865.65	3773184.23	5.00270
375883.69	3773184.23	4.72303	375901.73	3773184.23	3.97387
375811.53	3773205.99	1.95038	375829.57	3773205.99	2.54563
375847.61	3773205.99	3.07291	375865.65	3773205.99	3.36559
375883.69	3773205.99	3.33206	375901.73	3773205.99	3.00777
375811.53	3773227.75	1.43974	375829.57	3773227.75	1.81904
375847.61	3773227.75	2.16496	375865.65	3773227.75	2.39007
375883.69	3773227.75	2.43634	375901.73	3773227.75	2.30316
375718.64	3773050.44	1.01971	375734.96	3773050.44	1.35567
375751.28	3773050.44	1.88500	375767.60	3773050.44	2.78867
375783.92	3773050.44	4.50846	375800.24	3773050.44	8.38537
375718.64	3773077.20	1.09337	375734.96	3773077.20	1.48225
375751.28	3773077.20	2.10984	375767.60	3773077.20	3.21203
375783.92	3773077.20	5.38910	375800.24	3773077.20	10.49554
375718.64	3773103.96	1.02653	375734.96	3773103.96	1.38419
375751.28	3773103.96	1.95688	375767.60	3773103.96	2.96297
375783.92	3773103.96	4.97988	375800.24	3773103.96	9.87205
375718.64	3773139.64	0.80884	375734.96	3773139.64	1.04800
375751.28	3773139.64	1.40706	375767.60	3773139.64	1.98487
375783.92	3773139.64	3.00248	375800.24	3773139.64	4.99219
375718.64	3773166.40	0.64805	375734.96	3773166.40	0.81349
375751.28	3773166.40	1.05209	375767.60	3773166.40	1.41650
375783.92	3773166.40	2.00686	375800.24	3773166.40	2.97174
375718.64	3773202.08	0.48068	375734.96	3773202.08	0.58876
375751.28	3773202.08	0.73985	375767.60	3773202.08	0.95575
375783.92	3773202.08	1.26647	375800.24	3773202.08	1.69960
375718.64	3773228.84	0.39345	375734.96	3773228.84	0.47633
375751.28	3773228.84	0.58734	375767.60	3773228.84	0.73752
375783.92	3773228.84	0.94029	375800.24	3773228.84	1.20416

**MODELOPTs: NonDFAULT CONC FLAT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PM2.5 ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
375811.53	3773118.95	61.73133m	(06021024)	375829.57	3773118.95	74.04588m	(05111724)
375847.61	3773118.95	75.26943m	(05081624)	375865.65	3773118.95	79.35423m	(05102224)
375883.69	3773118.95	57.03193m	(05031324)	375901.73	3773118.95	31.77077	(06122724)
375811.53	3773140.71	34.56117m	(06021024)	375829.57	3773140.71	32.85085m	(05120124)
375847.61	3773140.71	33.76351	(07022224)	375865.65	3773140.71	35.90663m	(05081624)
375883.69	3773140.71	36.13391m	(05031324)	375901.73	3773140.71	26.65441m	(05031324)
375811.53	3773162.47	21.99252m	(06021024)	375829.57	3773162.47	18.55594m	(05120124)
375847.61	3773162.47	19.96603	(07022224)	375865.65	3773162.47	21.28259	(07022224)
375883.69	3773162.47	21.42811m	(06012724)	375901.73	3773162.47	19.69975m	(05031324)
375811.53	3773184.23	13.42433m	(06021024)	375829.57	3773184.23	11.70064m	(05120124)
375847.61	3773184.23	12.85047	(07022224)	375865.65	3773184.23	14.19890	(07022224)
375883.69	3773184.23	14.40960m	(06012724)	375901.73	3773184.23	15.52657m	(06012724)
375811.53	3773205.99	8.27268	(05010824)	375829.57	3773205.99	7.99615m	(06090424)
375847.61	3773205.99	8.91511	(07022224)	375865.65	3773205.99	9.94054	(07022224)
375883.69	3773205.99	10.16922	(07022224)	375901.73	3773205.99	11.74123m	(06012724)
375811.53	3773227.75	6.36782	(05010824)	375829.57	3773227.75	5.98637m	(06090424)
375847.61	3773227.75	6.54779	(07022224)	375865.65	3773227.75	7.26196	(07022224)
375883.69	3773227.75	7.63878	(07022224)	375901.73	3773227.75	8.55439m	(06012724)
375718.64	3773050.44	16.26113m	(06021824)	375734.96	3773050.44	19.21876m	(06021824)
375751.28	3773050.44	23.11805m	(06021824)	375767.60	3773050.44	28.73786m	(06021824)
375783.92	3773050.44	37.63364m	(06021824)	375800.24	3773050.44	55.47152m	(06010124)
375718.64	3773077.20	15.08882m	(05112224)	375734.96	3773077.20	17.05653m	(05112224)
375751.28	3773077.20	19.99727m	(06021824)	375767.60	3773077.20	26.88308m	(06021824)
375783.92	3773077.20	36.98662m	(06021824)	375800.24	3773077.20	53.17088m	(06010124)
375718.64	3773103.96	11.54205	(05112524)	375734.96	3773103.96	13.49137	(05112524)
375751.28	3773103.96	16.22802	(05112524)	375767.60	3773103.96	20.29549	(05112524)

375783.92	3773103.96	26.77594	(05112524)	375800.24	3773103.96	38.79482	(05122624)
375718.64	3773139.64	11.03000m	(05111724)	375734.96	3773139.64	13.00243m	(05111724)
375751.28	3773139.64	15.17295m	(05111724)	375767.60	3773139.64	17.46075m	(05111724)
375783.92	3773139.64	22.16378m	(06021024)	375800.24	3773139.64	33.09255m	(06021024)
375718.64	3773166.40	10.02439m	(05111724)	375734.96	3773166.40	10.01353m	(05111724)
375751.28	3773166.40	9.41713m	(05111724)	375767.60	3773166.40	15.57504m	(06021024)
375783.92	3773166.40	21.35244m	(06021024)	375800.24	3773166.40	21.99228m	(06021024)
375718.64	3773202.08	5.39912	(07010624)	375734.96	3773202.08	8.43464m	(06021024)
375751.28	3773202.08	12.63721m	(06021024)	375767.60	3773202.08	15.11250m	(06021024)
375783.92	3773202.08	14.22349m	(06021024)	375800.24	3773202.08	11.08578m	(06021024)
375718.64	3773228.84	7.16093m	(06021024)	375734.96	3773228.84	10.38693m	(06021024)
375751.28	3773228.84	12.21020m	(06021024)	375767.60	3773228.84	11.47721m	(06021024)
375783.92	3773228.84	8.85849m	(06021024)	375800.24	3773228.84	6.74963	(07121324)

**MODELOPTs: NonDFAULT CONC FLAT

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1 , AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
375811.53	3773118.95	61.73133m	(06021024)	375829.57	3773118.95	74.04588m	(05111724)
375847.61	3773118.95	75.26943m	(05081624)	375865.65	3773118.95	79.35423m	(05102224)
375883.69	3773118.95	57.03193m	(05031324)	375901.73	3773118.95	31.77077	(06122724)
375811.53	3773140.71	34.56117m	(06021024)	375829.57	3773140.71	32.85085m	(05120124)
375847.61	3773140.71	33.76351	(07022224)	375865.65	3773140.71	35.90663m	(05081624)
375883.69	3773140.71	36.13391m	(05031324)	375901.73	3773140.71	26.65441m	(05031324)
375811.53	3773162.47	21.99252m	(06021024)	375829.57	3773162.47	18.55594m	(05120124)
375847.61	3773162.47	19.96603	(07022224)	375865.65	3773162.47	21.28259	(07022224)
375883.69	3773162.47	21.42811m	(06012724)	375901.73	3773162.47	19.69975m	(05031324)
375811.53	3773184.23	13.42433m	(06021024)	375829.57	3773184.23	11.70064m	(05120124)
375847.61	3773184.23	12.85047	(07022224)	375865.65	3773184.23	14.19890	(07022224)
375883.69	3773184.23	14.40960m	(06012724)	375901.73	3773184.23	15.52657m	(06012724)
375811.53	3773205.99	8.27268	(05010824)	375829.57	3773205.99	7.99615m	(06090424)
375847.61	3773205.99	8.91511	(07022224)	375865.65	3773205.99	9.94054	(07022224)
375883.69	3773205.99	10.16922	(07022224)	375901.73	3773205.99	11.74123m	(06012724)
375811.53	3773227.75	6.36782	(05010824)	375829.57	3773227.75	5.98637m	(06090424)
375847.61	3773227.75	6.54779	(07022224)	375865.65	3773227.75	7.26196	(07022224)
375883.69	3773227.75	7.63878	(07022224)	375901.73	3773227.75	8.55439m	(06012724)
375718.64	3773050.44	16.26113m	(06021824)	375734.96	3773050.44	19.21876m	(06021824)
375751.28	3773050.44	23.11805m	(06021824)	375767.60	3773050.44	28.73786m	(06021824)
375783.92	3773050.44	37.63364m	(06021824)	375800.24	3773050.44	55.47152m	(06010124)
375718.64	3773077.20	15.08882m	(05112224)	375734.96	3773077.20	17.05653m	(05112224)
375751.28	3773077.20	19.99727m	(06021824)	375767.60	3773077.20	26.88308m	(06021824)
375783.92	3773077.20	36.98662m	(06021824)	375800.24	3773077.20	53.17088m	(06010124)
375718.64	3773103.96	11.54205	(05112524)	375734.96	3773103.96	13.49137	(05112524)
375751.28	3773103.96	16.22802	(05112524)	375767.60	3773103.96	20.29549	(05112524)
375783.92	3773103.96	26.77594	(05112524)	375800.24	3773103.96	38.79482	(05122624)
375718.64	3773139.64	11.03000m	(05111724)	375734.96	3773139.64	13.00243m	(05111724)
375751.28	3773139.64	15.17295m	(05111724)	375767.60	3773139.64	17.46075m	(05111724)
375783.92	3773139.64	22.16378m	(06021024)	375800.24	3773139.64	33.09255m	(06021024)
375718.64	3773166.40	10.02439m	(05111724)	375734.96	3773166.40	10.01353m	(05111724)
375751.28	3773166.40	9.41713m	(05111724)	375767.60	3773166.40	15.57504m	(06021024)
375783.92	3773166.40	21.35244m	(06021024)	375800.24	3773166.40	21.99228m	(06021024)
375718.64	3773202.08	5.39912	(07010624)	375734.96	3773202.08	8.43464m	(06021024)
375751.28	3773202.08	12.63721m	(06021024)	375767.60	3773202.08	15.11250m	(06021024)
375783.92	3773202.08	14.22349m	(06021024)	375800.24	3773202.08	11.08578m	(06021024)
375718.64	3773228.84	7.16093m	(06021024)	375734.96	3773228.84	10.38693m	(06021024)
375751.28	3773228.84	12.21020m	(06021024)	375767.60	3773228.84	11.47721m	(06021024)
375783.92	3773228.84	8.85849m	(06021024)	375800.24	3773228.84	6.74963	(07121324)

**MODELOPTs: NonDFAULT CONC FLAT

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 3 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
PM2.5	1ST HIGHEST VALUE IS	33.66709 AT	(375847.61, 3773118.95, 0.00, 0.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	31.55129 AT	(375865.65, 3773118.95, 0.00, 0.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	30.20153 AT	(375829.57, 3773118.95, 0.00, 0.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	15.49568 AT	(375883.69, 3773118.95, 0.00, 0.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	15.45688 AT	(375811.53, 3773118.95, 0.00, 0.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	14.39786 AT	(375847.61, 3773140.71, 0.00, 0.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	14.18086 AT	(375865.65, 3773140.71, 0.00, 0.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	11.73078 AT	(375829.57, 3773140.71, 0.00, 0.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	10.77038 AT	(375883.69, 3773140.71, 0.00, 0.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	10.49554 AT	(375800.24, 3773077.20, 0.00, 0.00, 0.00)	DC	
ALL	1ST HIGHEST VALUE IS	33.66709 AT	(375847.61, 3773118.95, 0.00, 0.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	31.55129 AT	(375865.65, 3773118.95, 0.00, 0.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	30.20153 AT	(375829.57, 3773118.95, 0.00, 0.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	15.49568 AT	(375883.69, 3773118.95, 0.00, 0.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	15.45688 AT	(375811.53, 3773118.95, 0.00, 0.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	14.39786 AT	(375847.61, 3773140.71, 0.00, 0.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	14.18086 AT	(375865.65, 3773140.71, 0.00, 0.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	11.73078 AT	(375829.57, 3773140.71, 0.00, 0.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	10.77038 AT	(375883.69, 3773140.71, 0.00, 0.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	10.49554 AT	(375800.24, 3773077.20, 0.00, 0.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

**MODELOPTs: NonDFAULT CONC FLAT

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
PM2.5	HIGH 1ST HIGH VALUE IS	79.35423m	ON 05102224: AT (375865.65, 3773118.95, 0.00, 0.00, 0.00)	DC	
ALL	HIGH 1ST HIGH VALUE IS	79.35423m	ON 05102224: AT (375865.65, 3773118.95, 0.00, 0.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

**MODELOPTs: NonDFAULT CONC FLAT

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 1753 Informational Message(s)

A Total of 26280 Hours Were Processed

A Total of 0 Calm Hours Identified

A Total of 1753 Missing Hours Identified (6.67 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
*** NONE ***

****
*** AERMOD Finishes Successfully ***
****

Appendix F
CO Hotspot Calculations and Output Files

Domain Project Recirculated Draft EIR

Concentrations of CO for Project

Year 2012 Existing Plus Project					
	1-Hour Bckgrnd Conc.	8-Hour Bckgrnd Conc.	Model RESULTS	Parts Per Million	
Intersection			**1-hour**	**1-hour**	**8-hour**
Detroit Street and Fountain Avenue	3	2.40	0.2	3	2.5
La Brea Avenue and Santa Monica Boulevard	3	2.40	0.4	3	2.7
State Standard				20	9.0

Year 2016 Future Plus Project					
	1-Hour Bckgrnd Conc.	8-Hour Bckgrnd Conc.	Model RESULTS	Parts Per Million	
Intersection			**1-hour**	**1-hour**	**8-hour**
Detroit Street and Fountain Avenue	3	2.40	0.1	3	2.5
Formosa Avenue and Santa Monica Boulevard	3	2.40	0.2	3	2.5
La Brea Avenue and Santa Monica Boulevard	3	2.40	0.4	3	2.7
State Standard				20	9.0

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                    CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221                    PAGE  1

     JOB: Domain Project_Detroit St & Fountain Ave            RUN: CAL3QHC RUN

     DATE : 10/22/12
     TIME : 12:14:41

        The MODE flag has been set to C for calculating CO averages.

      SITE & METEOROLOGICAL VARIABLES
      -------------------------------
      VS =    .0 CM/S       VD =    .0 CM/S       Z0 = 400. CM
       U =  1.0 M/S         CLAS =   6  (F)     ATIM =  60. MINUTES     MIXH =  1000. M   AMB =   .0 PPM

      LINK VARIABLES
      --------------
        LINK DESCRIPTION     *         LINK COORDINATES (M)          *    LENGTH  BRG TYPE   VPH    EF      H   W    V/C QUEUE
                             *   X1        Y1        X2        Y2     *     (M)   (DEG)            (G/MI)   (M) (M)       (VEH)
     ------------------------*-----------------------------------------*-----------------------------------------------------------
      1. Link_1              *    506.0       .0     506.0     500.0 *     500.   360. AG     59.   3.1    .0  9.7
      2. Link_3              *    506.0     464.0    506.0     342.4 *     122.   180. AG     12. 100.0    .0  9.7 2.27  20.3
      3. Link_2              *    506.0     500.0    506.0    1000.0 *     500.   360. AG     47.   3.1    .0  9.7
      4. Link_4              *    494.0    1000.0    494.0     500.0 *     500.   180. AG     35.   3.1    .0  9.7
      5. Link_5              *    494.0     500.0    494.0       .0 *     500.   180. AG     37.   3.1    .0  9.7
      6. Link_6              *    494.0     536.0    494.0     576.4 *      40.   360. AG     12. 100.0    .0  4.8 1.35   6.7
      7. Link_7              *      .0      482.0    500.0     482.0 *     500.    90. AG    843.   3.1    .0 17.0
      8. Link_8              *    500.0     482.0   1000.0     482.0 *     500.    90. AG    849.   3.1    .0 17.0
      9. Link_9              *    488.0     482.0    483.8     482.0 *       4.   270. AG      1. 100.0    .0 17.0  .61    .7
     10. Link_10             *   1000.0     518.0    500.0     518.0 *     500.   270. AG    767.   3.1    .0 17.0
     11. Link_11             *    500.0     518.0      .0      518.0 *     500.   270. AG    771.   3.1    .0 17.0
     12. Link_12             *    512.0     518.0    515.8     518.0 *       4.    90. AG      1. 100.0    .0 17.0  .55    .6
                                                                                                              PAGE  2

     JOB: Domain Project_Detroit St & Fountain Ave            RUN: CAL3QHC RUN

     DATE : 10/22/12
     TIME : 12:14:41

      ADDITIONAL QUEUE LINK PARAMETERS
      --------------------------------
        LINK DESCRIPTION     *    CYCLE    RED     CLEARANCE  APPROACH  SATURATION   IDLE   SIGNAL   ARRIVAL
                             *    LENGTH   TIME    LOST TIME    VOL     FLOW RATE   EM FAC   TYPE     RATE
                             *     (SEC)   (SEC)    (SEC)      (VPH)     (VPH)    (gm/hr)
     ------------------------*-------------------------------------------------------------------------------
      2. Link_3              *      60       54       3.0        59       1600       4.84      1        3
      6. Link_6              *      60       54       3.0        35       1600       4.84      1        3
      9. Link_9              *      60        3       3.0       843       1600       4.84      1        3
     12. Link_12             *      60        3       3.0       767       1600       4.84      1        3

      RECEPTOR LOCATIONS
      ------------------
                             *           COORDINATES (M)           *
        RECEPTOR             *      X          Y          Z         *
     ------------------------*-------------------------------------*
     1. Rcpt_1               *       468.0      556.0        1.8   *
     2. Rcpt_2               *       532.0      556.0        1.8   *
     3. Rcpt_3               *       468.0      444.0        1.8   *
     4. Rcpt_4               *       532.0      444.0        1.8   *
                                                                                                      PAGE  3

     JOB: Domain Project_Detroit St & Fountain Ave            RUN: CAL3QHC RUN

      MODEL RESULTS
      -------------

      REMARKS : In search of the angle corresponding to
                the maximum concentration, only the first
                angle, of the angles with same maximum
                concentrations, is indicated as maximum.

 WIND ANGLE RANGE:   0.-360.

 WIND  * CONCENTRATION
 ANGLE *      (PPM)
 (DEGR)* REC1  REC2  REC3  REC4
 ------*----------------------
   0.  *    .0    .0    .0    .0
  10.  *    .0    .0    .0    .0
  20.  *    .0    .0    .0    .0
  30.  *    .0    .0    .0    .0
  40.  *    .0    .0    .0    .1
  50.  *    .0    .0    .0    .1
  60.  *    .0    .0    .1    .1
  70.  *    .0    .0    .1    .1
  80.  *    .0    .0    .1    .1
  90.  *    .0    .0    .0    .0
 100.  *    .1    .1    .0    .0
 110.  *    .2    .2    .0    .0
 120.  *    .1    .1    .0    .0
 130.  *    .0    .0    .0    .0
 140.  *    .0    .0    .0    .0
 150.  *    .0    .0    .0    .0
 160.  *    .0    .0    .0    .0
 170.  *    .0    .0    .0    .0
 180.  *    .0    .0    .0    .0
 190.  *    .0    .0    .0    .0
 200.  *    .0    .0    .0    .0
 210.  *    .0    .0    .0    .0
 220.  *    .0    .0    .0    .0
 230.  *    .1    .0    .0    .0
 240.  *    .1    .1    .0    .0
 250.  *    .2    .2    .0    .0
 260.  *    .1    .1    .0    .0
 270.  *    .0    .0    .0    .0
 280.  *    .0    .0    .1    .1
 290.  *    .0    .0    .1    .1
 300.  *    .0    .0    .1    .1
 310.  *    .0    .0    .1    .0
 320.  *    .0    .0    .1    .0
 330.  *    .0    .0    .0    .0
 340.  *    .0    .0    .0    .0
 350.  *    .0    .0    .0    .0
 360.  *    .0    .0    .0    .0
 ------*----------------------
 MAX   *    .2    .2    .1    .1
 DEGR. *  110   110    60    40
```

```
 THE HIGHEST CONCENTRATION OF     .20 PPM OCCURRED AT RECEPTOR REC1 .
```

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1

JOB: Domain Project_La Brea & Santa Monica Bl RUN: CAL3QHC RUN

DATE : 10/22/12
TIME : 13:56:31

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 400. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_1	524.0	.0	524.0	500.0	500.	360.	AG	1458.	3.1	.0	20.6		
2. Link_2	524.0	500.0	524.0	1000.0	500.	360.	AG	1409.	3.1	.0	20.6		
3. Link_3	524.0	464.0	524.0	-1902.2	2366.	180.	AG	6.	100.0	.0	20.6	2.03	394.4
4. Link_4	476.0	1000.0	476.0	500.0	500.	180.	AG	1192.	3.1	.0	20.6		
5. Link_5	476.0	500.0	476.0	.0	500.	180.	AG	1234.	3.1	.0	20.6		
6. Link_6	476.0	536.0	476.0	2076.9	1541.	360.	AG	6.	100.0	.0	20.6	1.66	256.8
7. Link_7	.0	482.0	500.0	482.0	500.	90.	AG	1325.	3.1	.0	17.0		
8. Link_8	500.0	482.0	1000.0	482.0	500.	90.	AG	1257.	3.1	.0	17.0		
9. Link_9	452.0	482.0	-1583.1	482.0	2035.	270.	AG	6.	100.0	.0	17.0	1.91	339.2
10. Link_10	1000.0	518.0	500.0	518.0	500.	270.	AG	1238.	3.1	.0	17.0		
11. Link_11	500.0	518.0	.0	518.0	500.	270.	AG	1313.	3.1	.0	17.0		
12. Link_12	548.0	518.0	2313.0	518.0	1765.	90.	AG	6.	100.0	.0	17.0	1.79	294.2

PAGE 2

JOB: Domain Project_La Brea & Santa Monica Bl RUN: CAL3QHC RUN

DATE : 10/22/12
TIME : 13:56:31

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. Link_3	60	28	3.0	1458	1600	4.84	1	3
6. Link_6	60	28	3.0	1192	1600	4.84	1	3
9. Link_9	60	29	3.0	1325	1600	4.84	1	3
12. Link_12	60	29	3.0	1238	1600	4.84	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Rcpt_1	432.0	556.0	1.8
2. Rcpt_2	568.0	556.0	1.8
3. Rcpt_3	432.0	444.0	1.8
4. Rcpt_4	568.0	444.0	1.8

PAGE 3

JOB: Domain Project_La Brea & Santa Monica Bl RUN: CAL3QHC RUN

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4
0.	.0	.0	.1	.1
10.	.1	.0	.3	.1
20.	.2	.0	.3	.1
30.	.2	.0	.4	.2
40.	.2	.0	.2	.1
50.	.2	.0	.2	.2
60.	.2	.0	.3	.2
70.	.1	.0	.3	.2
80.	.1	.0	.4	.2
90.	.2	.0	.2	.0
100.	.3	.2	.1	.0
110.	.3	.2	.1	.0
120.	.3	.2	.2	.0
130.	.2	.2	.2	.0
140.	.2	.1	.2	.0
150.	.4	.2	.2	.0
160.	.3	.1	.2	.0
170.	.3	.1	.1	.0
180.	.1	.1	.0	.0
190.	.1	.2	.0	.1
200.	.1	.3	.0	.2
210.	.2	.3	.0	.2
220.	.2	.3	.0	.2
230.	.2	.2	.0	.1
240.	.2	.2	.0	.1
250.	.2	.3	.0	.1
260.	.2	.3	.0	.1
270.	.0	.2	.0	.2
280.	.0	.1	.2	.3
290.	.0	.1	.2	.3
300.	.0	.1	.2	.3
310.	.0	.1	.2	.2
320.	.0	.1	.2	.2
330.	.0	.2	.2	.3
340.	.0	.2	.1	.3
350.	.0	.1	.1	.2
360.	.0	.0	.1	.1
MAX	.4	.3	.4	.3
DEGR.	150	200	30	280

THE HIGHEST CONCENTRATION OF .40 PPM OCCURRED AT RECEPTOR REC3 .

```
                    CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221                    PAGE  1

     JOB: Domain Project_Formosa & Santa Monica              RUN: CAL3QHC RUN

     DATE : 10/22/12
     TIME : 14:40:21

        The MODE flag has been set to C for calculating CO averages.

      SITE & METEOROLOGICAL VARIABLES
      -------------------------------
      VS =    .0 CM/S       VD =    .0 CM/S       Z0 = 400. CM
       U =  1.0 M/S         CLAS =   6  (F)     ATIM =  60. MINUTES     MIXH =  1000. M   AMB =   .0 PPM

      LINK VARIABLES
      --------------
        LINK DESCRIPTION     *         LINK COORDINATES (M)          *    LENGTH  BRG TYPE   VPH    EF      H   W    V/C QUEUE
                             *   X1        Y1        X2        Y2     *     (M)   (DEG)            (G/MI)   (M) (M)       (VEH)
     ------------------------*-----------------------------------------*-----------------------------------------------------------
      1. Link_1              *    506.0       .0     506.0     500.0 *     500.   360. AG    458.   2.3    .0  9.7
      2. Link_2              *    506.0     500.0    506.0    1000.0 *     500.   360. AG    148.   2.3    .0  9.7
      3. Link_3              *    506.0     464.0    506.0    -524.6 *     989.   180. AG     11. 100.0    .0  9.7 2.88 164.8
      4. Link_4              *    494.0    1000.0    494.0     500.0 *     500.   180. AG    147.   2.3    .0  9.7
      5. Link_5              *    494.0     500.0    494.0       .0 *     500.   180. AG    324.   2.3    .0  9.7
      6. Link_6              *    494.0     536.0    494.0     559.1 *      23.   360. AG     11. 100.0    .0  9.7  .92   3.8
      7. Link_7              *      .0      482.0    500.0     482.0 *     500.    90. AG   1802.   2.3    .0 17.0
      8. Link_8              *    500.0     482.0   1000.0     482.0 *     500.    90. AG   1835.   2.3    .0 17.0
      9. Link_9              *    488.0     482.0  -1259.2     482.0 *    1747.   270. AG      2. 100.0    .0 17.0 1.44 291.2
     10. Link_10             *   1000.0     518.0    500.0     518.0 *     500.   270. AG   1693.   2.3    .0 17.0
     11. Link_11             *    500.0     518.0       .0     518.0 *     500.   270. AG   1793.   2.3    .0 17.0
     12. Link_12             *    512.0     518.0   1926.1     518.0 *    1414.    90. AG      2. 100.0    .0 17.0 1.35 235.7
                                                                                                          PAGE  2

     JOB: Domain Project_Formosa & Santa Monica              RUN: CAL3QHC RUN

     DATE : 10/22/12
     TIME : 14:40:21

      ADDITIONAL QUEUE LINK PARAMETERS
      --------------------------------
        LINK DESCRIPTION     *    CYCLE    RED     CLEARANCE  APPROACH  SATURATION   IDLE   SIGNAL   ARRIVAL
                             *    LENGTH   TIME    LOST TIME    VOL     FLOW RATE   EM FAC   TYPE     RATE
                             *     (SEC)   (SEC)    (SEC)      (VPH)     (VPH)    (gm/hr)
     ------------------------*-------------------------------------------------------------------------------
      3. Link_3              *      60       49       3.0       458       1600       4.96      1        3
      6. Link_6              *      60       49       3.0       147       1600       4.96      1        3
      9. Link_9              *      60        8       3.0      1802       1600       4.96      1        3
     12. Link_12             *      60        8       3.0      1693       1600       4.96      1        3

      RECEPTOR LOCATIONS
      ------------------
                             *           COORDINATES (M)           *
        RECEPTOR             *      X          Y          Z         *
     ------------------------*-------------------------------------*
      1. Rcpt_1              *       468.0      556.0        1.8   *
      2. Rcpt_2              *       532.0      556.0        1.8   *
      3. Rcpt_3              *       468.0      444.0        1.8   *
      4. Rcpt_4              *       532.0      444.0        1.8   *
                                                                                                          PAGE  3

     JOB: Domain Project_Formosa & Santa Monica              RUN: CAL3QHC RUN

      MODEL RESULTS
      -------------

      REMARKS : In search of the angle corresponding to
                the maximum concentration, only the first
                angle, of the angles with same maximum
                concentrations, is indicated as maximum.

 WIND ANGLE RANGE:   0.-360.

 WIND  * CONCENTRATION
 ANGLE *      (PPM)
 (DEGR)* REC1  REC2  REC3  REC4
 ------*-----------------------
   0.  *    .0    .0    .2    .1
  10.  *    .0    .0    .1    .1
  20.  *    .0    .0    .1    .1
  30.  *    .0    .0    .1    .2
  40.  *    .0    .0    .0    .2
  50.  *    .0    .0    .2    .2
  60.  *    .0    .0    .2    .2
  70.  *    .0    .0    .2    .2
  80.  *    .0    .0    .2    .2
  90.  *    .1    .0    .1    .0
 100.  *    .2    .2    .0    .0
 110.  *    .2    .2    .0    .0
 120.  *    .2    .2    .0    .0
 130.  *    .2    .2    .0    .0
 140.  *    .1    .2    .0    .0
 150.  *    .1    .2    .0    .0
 160.  *    .1    .1    .0    .0
 170.  *    .1    .2    .0    .0
 180.  *    .2    .2    .0    .0
 190.  *    .2    .1    .0    .0
 200.  *    .1    .1    .0    .0
 210.  *    .2    .1    .0    .0
 220.  *    .2    .1    .0    .0
 230.  *    .2    .2    .0    .0
 240.  *    .2    .2    .0    .0
 250.  *    .2    .2    .0    .0
 260.  *    .2    .2    .0    .0
 270.  *    .0    .1    .0    .1
 280.  *    .0    .0    .2    .2
 290.  *    .0    .0    .2    .2
 300.  *    .0    .0    .2    .2
 310.  *    .0    .0    .2    .2
 320.  *    .0    .0    .2    .1
 330.  *    .0    .0    .2    .1
 340.  *    .0    .0    .1    .1
 350.  *    .0    .0    .2    .1
 360.  *    .0    .0    .2    .1
 ------*-----------------------
 MAX   *    .2    .2    .2    .2
 DEGR. *  100   100     0    30
```

THE HIGHEST CONCENTRATION OF .20 PPM OCCURRED AT RECEPTOR REC3 .

```
                    CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221                    PAGE  1

     JOB: Domain Project_Detroit St & Fountain Ave            RUN: CAL3QHC RUN

     DATE : 10/22/12
     TIME : 14:25:45

        The MODE flag has been set to C for calculating CO averages.

      SITE & METEOROLOGICAL VARIABLES
      -------------------------------
      VS =    .0 CM/S       VD =    .0 CM/S       Z0 = 400. CM
       U =  1.0 M/S         CLAS =   6  (F)     ATIM =  60. MINUTES     MIXH =  1000. M   AMB =   .0 PPM

      LINK VARIABLES
      --------------
        LINK DESCRIPTION     *         LINK COORDINATES (M)          *    LENGTH  BRG TYPE   VPH    EF      H   W    V/C QUEUE
                             *   X1        Y1        X2        Y2     *     (M)   (DEG)            (G/MI)   (M) (M)       (VEH)
     ------------------------*-----------------------------------------*-----------------------------------------------------------
      1. Link_1              *    506.0       .0     506.0     500.0 *     500.   360. AG     88.   2.3    .0  9.7
      2. Link_3              *    506.0     464.0    506.0     333.1 *     131.   180. AG     12. 100.0    .0  9.7 1.66  21.8
      3. Link_2              *    506.0     500.0    506.0    1000.0 *     500.   360. AG     52.   2.3    .0  9.7
      4. Link_4              *    494.0    1000.0    494.0     500.0 *     500.   180. AG     37.   2.3    .0  9.7
      5. Link_5              *    494.0     500.0    494.0       .0 *     500.   180. AG     63.   2.3    .0  9.7
      6. Link_6              *    494.0     536.0    494.0     576.4 *      40.   360. AG     12. 100.0    .0  9.7 1.35   6.7
      7. Link_7              *      .0      482.0    500.0     482.0 *     500.    90. AG    946.   2.3    .0 17.0
      8. Link_8              *    500.0     482.0   1000.0     482.0 *     500.    90. AG    946.   2.3    .0 17.0
      9. Link_9              *    488.0     482.0    481.8     482.0 *       6.   270. AG      1. 100.0    .0 17.0  .68   1.0
     10. Link_10             *   1000.0     518.0    500.0     518.0 *     500.   270. AG    887.   2.3    .0 17.0
     11. Link_11             *    500.0     518.0      .0      518.0 *     500.   270. AG    881.   2.3    .0 17.0
     12. Link_12             *    512.0     518.0    517.9     518.0 *       6.    90. AG      1. 100.0    .0 17.0  .65   1.0
                                                                                                              PAGE  2
     JOB: Domain Project_Detroit St & Fountain Ave            RUN: CAL3QHC RUN

     DATE : 10/22/12
     TIME : 14:25:45

      ADDITIONAL QUEUE LINK PARAMETERS
      --------------------------------
        LINK DESCRIPTION     *    CYCLE    RED     CLEARANCE  APPROACH  SATURATION   IDLE   SIGNAL   ARRIVAL
                             *    LENGTH   TIME    LOST TIME    VOL     FLOW RATE   EM FAC   TYPE     RATE
                             *     (SEC)   (SEC)    (SEC)      (VPH)     (VPH)    (gm/hr)
     ------------------------*-------------------------------------------------------------------------------
      2. Link_3              *      60       53       3.0        88       1600       4.96      1        3
      6. Link_6              *      60       54       3.0        35       1600       4.96      1        3
      9. Link_9              *      60        4       3.0       930       1600       4.96      1        3
     12. Link_12             *      60        4       3.0       887       1600       4.96      1        3

      RECEPTOR LOCATIONS
      ------------------
                             *           COORDINATES (M)           *
        RECEPTOR             *      X          Y          Z         *
     ------------------------*-------------------------------------*
      1. Rcpt_1              *       468.0      556.0        1.8   *
      2. Rcpt_2              *       532.0      556.0        1.8   *
      3. Rcpt_3              *       468.0      444.0        1.8   *
      4. Rcpt_4              *       532.0      444.0        1.8   *
                                                                                                        PAGE  3
     JOB: Domain Project_Detroit St & Fountain Ave            RUN: CAL3QHC RUN

      MODEL RESULTS
      -------------

      REMARKS : In search of the angle corresponding to
                the maximum concentration, only the first
                angle, of the angles with same maximum
                concentrations, is indicated as maximum.

 WIND ANGLE RANGE:   0.-360.

 WIND  * CONCENTRATION
 ANGLE *      (PPM)
 (DEGR)* REC1  REC2  REC3  REC4
 ------*-----------------------
   0.  *    .0    .0    .0    .0
  10.  *    .0    .0    .0    .0
  20.  *    .0    .0    .0    .0
  30.  *    .0    .0    .0    .0
  40.  *    .0    .0    .0    .0
  50.  *    .0    .0    .0    .0
  60.  *    .0    .0    .1    .1
  70.  *    .0    .0    .1    .1
  80.  *    .0    .0    .1    .1
  90.  *    .0    .0    .0    .0
 100.  *    .1    .1    .0    .0
 110.  *    .1    .1    .0    .0
 120.  *    .0    .0    .0    .0
 130.  *    .0    .0    .0    .0
 140.  *    .0    .0    .0    .0
 150.  *    .0    .0    .0    .0
 160.  *    .0    .0    .0    .0
 170.  *    .0    .0    .0    .0
 180.  *    .0    .0    .0    .0
 190.  *    .0    .0    .0    .0
 200.  *    .0    .0    .0    .0
 210.  *    .0    .0    .0    .0
 220.  *    .0    .0    .0    .0
 230.  *    .0    .0    .0    .0
 240.  *    .0    .0    .0    .0
 250.  *    .1    .1    .0    .0
 260.  *    .1    .1    .0    .0
 270.  *    .0    .0    .0    .0
 280.  *    .0    .0    .1    .1
 290.  *    .0    .0    .1    .1
 300.  *    .0    .0    .1    .1
 310.  *    .0    .0    .0    .0
 320.  *    .0    .0    .0    .0
 330.  *    .0    .0    .0    .0
 340.  *    .0    .0    .0    .0
 350.  *    .0    .0    .0    .0
 360.  *    .0    .0    .0    .0
 ------*-----------------------
 MAX   *    .1    .1    .1    .1
 DEGR. *  100   100    60    60
```

THE HIGHEST CONCENTRATION OF .10 PPM OCCURRED AT RECEPTOR REC3 .

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1

JOB: Domain Project_La Brea & Santa Monica Bl RUN: CAL3QHC RUN

DATE : 10/22/12
TIME : 14:23:46

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 400. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_1	524.0	.0	524.0	500.0	500.	360.	AG	1635.	2.3	.0	20.6		
2. Link_2	524.0	500.0	524.0	1000.0	500.	360.	AG	1628.	2.3	.0	20.6		
3. Link_3	524.0	464.0	524.0	-2619.2	3083.	180.	AG	7.	100.0	.0	20.6	2.45	513.9
4. Link_4	476.0	1000.0	476.0	500.0	500.	180.	AG	1377.	2.3	.0	20.6		
5. Link_5	476.0	500.0	476.0	.0	500.	180.	AG	1470.	2.3	.0	20.6		
6. Link_6	476.0	536.0	476.0	2817.4	2281.	360.	AG	7.	100.0	.0	20.6	2.07	380.2
7. Link_7	.0	482.0	500.0	482.0	500.	90.	AG	1809.	2.3	.0	17.0		
8. Link_8	500.0	482.0	1000.0	482.0	500.	90.	AG	1624.	2.3	.0	17.0		
9. Link_9	452.0	482.0	-2917.2	482.0	3369.	270.	AG	6.	100.0	.0	17.0	2.42	561.5
10. Link_10	1000.0	518.0	500.0	518.0	500.	270.	AG	1655.	2.3	.0	17.0		
11. Link_11	500.0	518.0	.0	518.0	500.	270.	AG	1754.	2.3	.0	17.0		
12. Link_12	548.0	518.0	3439.9	518.0	2892.	90.	AG	6.	100.0	.0	17.0	2.22	482.0

PAGE 2

JOB: Domain Project_La Brea & Santa Monica Bl RUN: CAL3QHC RUN

DATE : 10/22/12
TIME : 14:23:46

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. Link_3	60	30	3.0	1635	1600	4.96	1	3
6. Link_6	60	30	3.0	1377	1600	4.96	1	3
9. Link_9	60	27	3.0	1809	1600	4.96	1	3
12. Link_12	60	27	3.0	1655	1600	4.96	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Rcpt_1	432.0	556.0	1.8
2. Rcpt_2	568.0	556.0	1.8
3. Rcpt_3	432.0	444.0	1.8
4. Rcpt_4	568.0	444.0	1.8

PAGE 3

JOB: Domain Project_La Brea & Santa Monica Bl RUN: CAL3QHC RUN

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first
angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4
0.	.0	.0	.1	.1
10.	.1	.0	.2	.1
20.	.2	.0	.3	.1
30.	.2	.0	.4	.2
40.	.2	.0	.2	.1
50.	.1	.0	.2	.2
60.	.1	.0	.3	.2
70.	.1	.0	.3	.2
80.	.1	.0	.3	.2
90.	.2	.0	.2	.0
100.	.3	.1	.1	.0
110.	.3	.2	.1	.0
120.	.3	.2	.1	.0
130.	.2	.2	.1	.0
140.	.2	.1	.2	.0
150.	.4	.1	.2	.0
160.	.3	.1	.2	.0
170.	.3	.1	.1	.0
180.	.2	.1	.0	.0
190.	.2	.2	.0	.1
200.	.1	.3	.0	.2
210.	.2	.3	.0	.2
220.	.2	.1	.0	.1
230.	.2	.3	.0	.1
240.	.2	.2	.0	.1
250.	.2	.3	.0	.1
260.	.2	.3	.0	.1
270.	.0	.2	.0	.2
280.	.0	.1	.2	.3
290.	.0	.1	.2	.3
300.	.0	.1	.2	.2
310.	.0	.1	.2	.2
320.	.0	.1	.2	.1
330.	.0	.1	.2	.2
340.	.0	.2	.1	.3
350.	.0	.1	.1	.2
360.	.0	.0	.1	.1
MAX	.4	.3	.4	.3
DEGR.	150	200	30	280

THE HIGHEST CONCENTRATION OF .40 PPM OCCURRED AT RECEPTOR REC3 .

Title   : Domain Project Recirculated Draft EIR
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2012/10/22 09:58:57
Scen Year: 2012 -- All model years in the range 1968 to 2012 selected
Season   : Annual
Area   : Los Angeles
****

Year: 2012 -- Model Years 1968 to 2012 Inclusive -- Annual
Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average | Los Angeles | County Average

Table 1: Running Exhaust Emissions (grams/mile; grams/idle-hour)

Pollutant Name: Carbon Monoxide Temperature: 77F Relative Humidity: 52%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
0	0.000	0.000	23.277	43.347	0.000	0.000	4.836
25	2.328	3.421	4.074	6.014	7.202	17.581	3.115

Title   : Domain Project Recirculated Draft EIR
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2012/10/22 09:58:57
Scen Year: 2016 -- All model years in the range 1972 to 2016 selected
Season   : Annual
Area   : Los Angeles
****

Year: 2016 -- Model Years 1972 to 2016 Inclusive -- Annual
Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average | Los Angeles | County Average

Table 1: Running Exhaust Emissions (grams/mile; grams/idle-hour)

Pollutant Name: Carbon Monoxide Temperature: 77F Relative Humidity: 52%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
0	0.000	0.000	23.415	41.926	0.000	0.000	4.965
25	1.670	2.667	3.165	3.716	6.423	15.617	2.328

Appendix G
Greenhouse Gas Emission Calculations and Output Files

Domain Project Recirculated Draft EIR - Future Plus Project Conditions

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Parking Structure	246	Space
Health Club	3.1	1000sqft
Quality Restaurant	2.5	1000sqft
Apartments Mid Rise	166	Dwelling Unit
Strip Mall	6.8	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Los Angeles Department of Water & Power
Climate Zone	9		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

Land Use - The proposed project is located on a 1.3-acre site in the City of West Hollywood.

Construction Phase - Construction is anticipated to start in the second quarter of 2013 and take approximately 26 months to complete, ending in the third quarter of 2015.

Trips and VMT - Approximately 30 construction workers would be working on-site per day and travel approximately 40 miles for round-trip. Haul trucks trip for soil removal is calculated separately.

Demolition - Demolition debris is based on the structural floor space and conversion factor of 1 square foot is equivalent 0.046 ton of waste material.

Grading - The entire project site will be graded. It is anticipated that approximately 33,200 cubic yards of soil would be removed.

Vehicle Trips - Weekday trip rate provided by traffic report prepared by KOA Corporation.

Woodstoves - The proposed apartments is not anticipated to include woodstoves.

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403, the proposed project would be water two times per day to reduce fugitive dust by 61 percent.

Area Mitigation - The proposed project would use low-VOC sealants and adhesives.

Energy Mitigation - The proposed project would exceed Title 24 Energy Code by more than 20 percent. The proposed project would also install photovoltaic panels.

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2013	0.48	3.21	2.58	0.00	0.52	0.18	0.70	0.15	0.18	0.33	0.00	406.48	406.48	0.04	0.00	407.33
2014	0.68	3.63	3.37	0.01	0.21	0.22	0.43	0.01	0.22	0.23	0.00	553.81	553.81	0.05	0.00	554.96
2015	2.05	0.64	0.64	0.00	0.05	0.04	0.09	0.00	0.04	0.04	0.00	107.75	107.75	0.01	0.00	107.95
Total	**3.21**	**7.48**	**6.59**	**0.01**	**0.78**	**0.44**	**1.22**	**0.16**	**0.44**	**0.60**	**0.00**	**1,068.04**	**1,068.04**	**0.10**	**0.00**	**1,070.24**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2013	0.48	3.21	2.58	0.00	0.34	0.18	0.52	0.06	0.18	0.24	0.00	406.48	406.48	0.04	0.00	407.33
2014	0.68	3.63	3.37	0.01	0.21	0.22	0.43	0.01	0.22	0.23	0.00	553.81	553.81	0.05	0.00	554.96
2015	2.05	0.64	0.64	0.00	0.05	0.04	0.09	0.00	0.04	0.04	0.00	107.75	107.75	0.01	0.00	107.95
Total	**3.21**	**7.48**	**6.59**	**0.01**	**0.60**	**0.44**	**1.04**	**0.07**	**0.44**	**0.51**	**0.00**	**1,068.04**	**1,068.04**	**0.10**	**0.00**	**1,070.24**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.13	1.00	0.62	0.00		0.06	0.06		0.06	0.06	0.00	93.06	93.06	0.01	0.00	93.28
Total	**0.13**	**1.00**	**0.62**	**0.00**	**0.02**	**0.06**	**0.08**	**0.00**	**0.06**	**0.06**	**0.00**	**93.06**	**93.06**	**0.01**	**0.00**	**93.28**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.01	0.05	0.03	0.00	0.10	0.00	0.10	0.00	0.00	0.00	0.00	6.86	6.86	0.00	0.00	6.86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.02	0.17	0.00	0.03	0.00	0.04	0.00	0.00	0.00	0.00	26.89	26.89	0.00	0.00	26.93
Total	**0.02**	**0.07**	**0.20**	**0.00**	**0.13**	**0.00**	**0.14**	**0.00**	**0.00**	**0.00**	**0.00**	**33.75**	**33.75**	**0.00**	**0.00**	**33.79**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.13	1.00	0.62	0.00		0.06	0.06		0.06	0.06	0.00	93.06	93.06	0.01	0.00	93.28
Total	**0.13**	**1.00**	**0.62**	**0.00**	**0.01**	**0.06**	**0.07**	**0.00**	**0.06**	**0.06**	**0.00**	**93.06**	**93.06**	**0.01**	**0.00**	**93.28**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.01	0.05	0.03	0.00	0.10	0.00	0.10	0.00	0.00	0.00	0.00	6.86	6.86	0.00	0.00	6.86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.02	0.17	0.00	0.03	0.00	0.04	0.00	0.00	0.00	0.00	26.89	26.89	0.00	0.00	26.93
Total	**0.02**	**0.07**	**0.20**	**0.00**	**0.13**	**0.00**	**0.14**	**0.00**	**0.00**	**0.00**	**0.00**	**33.75**	**33.75**	**0.00**	**0.00**	**33.79**

3.3 Site Preparation - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.14	0.00	0.14	0.08	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.10	0.82	0.48	0.00		0.04	0.04		0.04	0.04	0.00	76.72	76.72	0.01	0.00	76.89
Total	**0.10**	**0.82**	**0.48**	**0.00**	**0.14**	**0.04**	**0.18**	**0.08**	**0.04**	**0.12**	**0.00**	**76.72**	**76.72**	**0.01**	**0.00**	**76.89**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.02	0.17	0.00	0.03	0.00	0.04	0.00	0.00	0.00	0.00	26.89	26.89	0.00	0.00	26.93
Total	**0.01**	**0.02**	**0.17**	**0.00**	**0.03**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**	**0.00**	**26.89**	**26.89**	**0.00**	**0.00**	**26.93**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.05	0.00	0.05	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.10	0.82	0.48	0.00		0.04	0.04		0.04	0.04	0.00	76.72	76.72	0.01	0.00	76.89
Total	**0.10**	**0.82**	**0.48**	**0.00**	**0.05**	**0.04**	**0.09**	**0.03**	**0.04**	**0.07**	**0.00**	**76.72**	**76.72**	**0.01**	**0.00**	**76.89**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.01	0.02	0.17	0.00	0.03	0.00	0.04	0.00	0.00	0.00	0.00	26.89	26.89	0.00	0.00	26.93
Total	**0.01**	**0.02**	**0.17**	**0.00**	**0.03**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**	**0.00**	**26.89**	**26.89**	**0.00**	**0.00**	**26.93**

3.4 Grading - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.13	0.00	0.13	0.07	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.09	0.73	0.43	0.00		0.04	0.04		0.04	0.04	0.00	68.31	68.31	0.01	0.00	68.47
Total	**0.09**	**0.73**	**0.43**	**0.00**	**0.13**	**0.04**	**0.17**	**0.07**	**0.04**	**0.11**	**0.00**	**68.31**	**68.31**	**0.01**	**0.00**	**68.47**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.02	0.02	0.18	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	28.96	28.96	0.00	0.00	29.00
Total	**0.02**	**0.02**	**0.18**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**	**0.00**	**28.96**	**28.96**	**0.00**	**0.00**	**29.00**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.05	0.00	0.05	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.09	0.73	0.43	0.00		0.04	0.04		0.04	0.04	0.00	68.31	68.31	0.01	0.00	68.47
Total	**0.09**	**0.73**	**0.43**	**0.00**	**0.05**	**0.04**	**0.09**	**0.03**	**0.04**	**0.07**	**0.00**	**68.31**	**68.31**	**0.01**	**0.00**	**68.47**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.02	0.02	0.18	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	28.96	28.96	0.00	0.00	29.00
Total	**0.02**	**0.02**	**0.18**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**	**0.00**	**28.96**	**28.96**	**0.00**	**0.00**	**29.00**

3.5 Building Construction - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.08	0.43	0.30	0.00		0.03	0.03		0.03	0.03	0.00	42.98	42.98	0.01	0.00	43.12
Total	**0.08**	**0.43**	**0.30**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**42.98**	**42.98**	**0.01**	**0.00**	**43.12**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.11	0.08	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	16.67	16.67	0.00	0.00	16.68
Worker	0.01	0.01	0.12	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	19.14	19.14	0.00	0.00	19.16
Total	**0.02**	**0.12**	**0.20**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**35.81**	**35.81**	**0.00**	**0.00**	**35.84**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.08	0.43	0.30	0.00		0.03	0.03		0.03	0.03	0.00	42.98	42.98	0.01	0.00	43.12
Total	**0.08**	**0.43**	**0.30**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**42.98**	**42.98**	**0.01**	**0.00**	**43.12**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.11	0.08	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	16.67	16.67	0.00	0.00	16.68
Worker	0.01	0.01	0.12	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	19.14	19.14	0.00	0.00	19.16
Total	**0.02**	**0.12**	**0.20**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**35.81**	**35.81**	**0.00**	**0.00**	**35.84**

3.5 Building Construction - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.54	2.84	2.08	0.00		0.19	0.19		0.19	0.19	0.00	303.18	303.18	0.04	0.00	304.10
Total	**0.54**	**2.84**	**2.08**	**0.00**		**0.19**	**0.19**		**0.19**	**0.19**	**0.00**	**303.18**	**303.18**	**0.04**	**0.00**	**304.10**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.07	0.72	0.51	0.00	0.04	0.03	0.07	0.00	0.03	0.03	0.00	117.83	117.83	0.00	0.00	117.90
Worker	0.06	0.07	0.78	0.00	0.17	0.01	0.18	0.01	0.01	0.01	0.00	132.81	132.81	0.01	0.00	132.97
Total	**0.13**	**0.79**	**1.29**	**0.00**	**0.21**	**0.04**	**0.25**	**0.01**	**0.04**	**0.04**	**0.00**	**250.64**	**250.64**	**0.01**	**0.00**	**250.87**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.54	2.84	2.08	0.00		0.19	0.19		0.19	0.19	0.00	303.18	303.18	0.04	0.00	304.10
Total	**0.54**	**2.84**	**2.08**	**0.00**		**0.19**	**0.19**		**0.19**	**0.19**	**0.00**	**303.18**	**303.18**	**0.04**	**0.00**	**304.10**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.07	0.72	0.51	0.00	0.04	0.03	0.07	0.00	0.03	0.03	0.00	117.83	117.83	0.00	0.00	117.90
Worker	0.06	0.07	0.78	0.00	0.17	0.01	0.18	0.01	0.01	0.01	0.00	132.81	132.81	0.01	0.00	132.97
Total	**0.13**	**0.79**	**1.29**	**0.00**	**0.21**	**0.04**	**0.25**	**0.01**	**0.04**	**0.04**	**0.00**	**250.64**	**250.64**	**0.01**	**0.00**	**250.87**

3.5 Building Construction - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.08	0.42	0.33	0.00		0.03	0.03		0.03	0.03	0.00	48.79	48.79	0.01	0.00	48.92
Total	**0.08**	**0.42**	**0.33**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**48.79**	**48.79**	**0.01**	**0.00**	**48.92**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.11	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	19.01	19.01	0.00	0.00	19.02
Worker	0.01	0.01	0.12	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	20.94	20.94	0.00	0.00	20.96
Total	**0.02**	**0.12**	**0.19**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**	**0.00**	**39.95**	**39.95**	**0.00**	**0.00**	**39.98**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.08	0.42	0.33	0.00		0.03	0.03		0.03	0.03	0.00	48.79	48.79	0.01	0.00	48.92
Total	**0.08**	**0.42**	**0.33**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**48.79**	**48.79**	**0.01**	**0.00**	**48.92**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.11	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	19.01	19.01	0.00	0.00	19.02
Worker	0.01	0.01	0.12	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	20.94	20.94	0.00	0.00	20.96
Total	**0.02**	**0.12**	**0.19**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**	**0.00**	**39.95**	**39.95**	**0.00**	**0.00**	**39.98**

3.6 Paving - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.08	0.06	0.00		0.01	0.01		0.01	0.01	0.00	7.77	7.77	0.00	0.00	7.79
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.01**	**0.08**	**0.06**	**0.00**		**0.01**	**0.01**		**0.01**	**0.01**	**0.00**	**7.77**	**7.77**	**0.00**	**0.00**	**7.79**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	4.99	4.99	0.00	0.00	4.99
Total	**0.00**	**0.00**	**0.03**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**4.99**	**4.99**	**0.00**	**0.00**	**4.99**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.08	0.06	0.00		0.01	0.01		0.01	0.01	0.00	7.77	7.77	0.00	0.00	7.79
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.01**	**0.08**	**0.06**	**0.00**		**0.01**	**0.01**		**0.01**	**0.01**	**0.00**	**7.77**	**7.77**	**0.00**	**0.00**	**7.79**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	4.99	4.99	0.00	0.00	4.99
Total	**0.00**	**0.00**	**0.03**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**4.99**	**4.99**	**0.00**	**0.00**	**4.99**

3.7 Architectural Coating - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.93					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.28	1.28	0.00	0.00	1.28
Total	**1.93**	**0.01**	**0.01**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**1.28**	**1.28**	**0.00**	**0.00**	**1.28**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	4.99	4.99	0.00	0.00	4.99
Total	**0.00**	**0.00**	**0.03**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**4.99**	**4.99**	**0.00**	**0.00**	**4.99**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.93					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.28	1.28	0.00	0.00	1.28
Total	**1.93**	**0.01**	**0.01**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**1.28**	**1.28**	**0.00**	**0.00**	**1.28**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	4.99	4.99	0.00	0.00	4.99
Total	**0.00**	**0.00**	**0.03**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**4.99**	**4.99**	**0.00**	**0.00**	**4.99**

Domain Project Recirculated Draft EIR - Future Plus Project Conditions
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Parking Structure	246	Space
Health Club	3.1	1000sqft
Quality Restaurant	2.5	1000sqft
Apartments Mid Rise	166	Dwelling Unit
Strip Mall	6.8	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Los Angeles Department of Water & Power
Climate Zone	9		2.2		
		Precipitation Freq (Days)			
			33		

1.3 User Entered Comments

Land Use - The proposed project is located on a 1.3-acre site in the City of West Hollywood.

Construction Phase - Construction is anticipated to start in the second quarter of 2013 and take approximately 26 months to complete, ending in the third quarter of 2015.

Trips and VMT - Approximately 30 construction workers would be working on-site per day and travel approximately 40 miles for round-trip. Haul trucks trip for soil removal is calculated separately.

Demolition - Demolition debris is based on the structural floor space and conversion factor of 1 square foot is equivalent 0.046 ton of waste material.

Grading - The entire project site will be graded. It is anticipated that approximately 33,200 cubic yards of soil would be removed.

Woodstoves - The proposed apartments is not anticipated to include woodstoves.

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403, the proposed project would be water two times per day to reduce fugitive dust by 61 percent.

Vehicle Trips - Weekday trip rate provided by traffic report prepared by KOA Corporation.

2.0 Emissions Summary

2.1 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.34	0.04	3.07	0.00		0.00	0.10		0.00	0.10	11.11	105.78	116.89	0.06	0.00	118.69
Energy	0.02	0.14	0.07	0.00		0.00	0.01		0.00	0.01	0.00	634.65	634.65	0.01	0.01	637.18
Mobile	1.02	2.50	9.87	0.02	1.84	0.12	1.96	0.07	0.12	0.19	0.00	1,649.95	1,649.95	0.06	0.00	1,651.29
Waste						0.00	0.00		0.00	0.00	21.00	0.00	21.00	1.24	0.00	47.06
Water						0.00	0.00		0.00	0.00	0.00	135.32	135.32	0.38	0.01	146.49
Total	**2.38**	**2.68**	**13.01**	**0.02**	**1.84**	**0.12**	**2.07**	**0.07**	**0.12**	**0.30**	**32.11**	**2,525.70**	**2,557.81**	**1.75**	**0.02**	**2,600.71**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.27	0.03	2.56	0.00		0.00	0.01		0.00	0.01	0.00	4.13	4.13	0.00	0.00	4.22
Energy	0.02	0.14	0.07	0.00		0.00	0.01		0.00	0.01	0.00	634.65	634.65	0.01	0.01	637.18
Mobile	1.02	2.50	9.87	0.02	1.84	0.12	1.96	0.07	0.12	0.19	0.00	1,649.95	1,649.95	0.06	0.00	1,651.29
Waste						0.00	0.00		0.00	0.00	21.00	0.00	21.00	1.24	0.00	47.06
Water						0.00	0.00		0.00	0.00	0.00	135.32	135.32	0.38	0.01	146.49
Total	**2.31**	**2.67**	**12.50**	**0.02**	**1.84**	**0.12**	**1.98**	**0.07**	**0.12**	**0.21**	**21.00**	**2,424.05**	**2,445.05**	**1.69**	**0.02**	**2,486.24**

3.0 Mobile Detail

3.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.02	2.50	9.87	0.02	1.84	0.12	1.96	0.07	0.12	0.19	0.00	1,649.95	1,649.95	0.06	0.00	1,651.29
Unmitigated	1.02	2.50	9.87	0.02	1.84	0.12	1.96	0.07	0.12	0.19	0.00	1,649.95	1,649.95	0.06	0.00	1,651.29
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

3.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,103.90	0.00	0.00	2,626,158	2,626,158
Health Club	0.00	0.00	0.00		
Parking Structure	0.00	0.00	0.00		
Quality Restaurant	225.00	0.00	0.00	292,247	292,247
Strip Mall	300.97	0.00	0.00	493,903	493,903
Total	1,629.87	0.00	0.00	3,412,308	3,412,308

3.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
Apartments Mid Rise	12.70	7.00	9.50	40.20	19.20	40.60
Health Club	8.90	13.30	7.40	16.90	64.10	19.00
Parking Structure	8.90	13.30	7.40	0.00	0.00	0.00
Quality Restaurant	8.90	13.30	7.40	12.00	69.00	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

4.0 Energy Detail

4.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	469.04	469.04	0.01	0.00	470.57
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	469.04	469.04	0.01	0.00	470.57
NaturalGas Mitigated	0.02	0.14	0.07	0.00		0.00	0.01		0.00	0.01	0.00	165.60	165.60	0.00	0.00	166.61
NaturalGas Unmitigated	0.02	0.14	0.07	0.00		0.00	0.01		0.00	0.01	0.00	165.60	165.60	0.00	0.00	166.61
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Apartments Mid Rise	2.45092e+006	0.01	0.11	0.05	0.00		0.00	0.01		0.00	0.01	0.00	130.79	130.79	0.00	0.00	131.59
Health Club	58311	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	3.11	3.11	0.00	0.00	3.13
Parking Structure	0	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
Quality Restaurant	582525	0.00	0.03	0.02	0.00		0.00	0.00		0.00	0.00	0.00	31.09	31.09	0.00	0.00	31.27
Strip Mall	11560	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.62	0.62	0.00	0.00	0.62
Total		**0.01**	**0.14**	**0.07**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**	**0.00**	**165.61**	**165.61**	**0.00**	**0.00**	**166.61**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
Apartments Mid Rise	2.45092e+006	0.01	0.11	0.05	0.00		0.00	0.01		0.00	0.01	0.00	130.79	130.79	0.00	0.00	131.59
Health Club	58311	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	3.11	3.11	0.00	0.00	3.13
Parking Structure	0	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
Quality Restaurant	582525	0.00	0.03	0.02	0.00		0.00	0.00		0.00	0.00	0.00	31.09	31.09	0.00	0.00	31.27
Strip Mall	11560	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.62	0.62	0.00	0.00	0.62
Total		**0.01**	**0.14**	**0.07**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**	**0.00**	**165.61**	**165.61**	**0.00**	**0.00**	**166.61**

4.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	577132					324.22	0.01	0.00	325.28
Health Club	37355					20.99	0.00	0.00	21.05
Parking Structure	0					0.00	0.00	0.00	0.00
Quality Restaurant	117275					65.88	0.00	0.00	66.10
Strip Mall	103156					57.95	0.00	0.00	58.14
Total						**469.04**	**0.01**	**0.00**	**470.57**

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Apartments Mid Rise	577132					324.22	0.01	0.00	325.28
Health Club	37355					20.99	0.00	0.00	21.05
Parking Structure	0					0.00	0.00	0.00	0.00
Quality Restaurant	117275					65.88	0.00	0.00	66.10
Strip Mall	103156					57.95	0.00	0.00	58.14
Total						**469.04**	**0.01**	**0.00**	**470.57**

5.0 Area Detail

5.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.27	0.03	2.56	0.00		0.00	0.01		0.00	0.01	0.00	4.13	4.13	0.00	0.00	4.22
Unmitigated	1.34	0.04	3.07	0.00		0.00	0.10		0.00	0.10	11.11	105.78	116.89	0.06	0.00	118.69
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.19					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	1.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.07	0.01	0.51	0.00		0.00	0.09		0.00	0.09	11.11	101.65	112.76	0.05	0.00	114.47
Landscaping	0.08	0.03	2.56	0.00		0.00	0.01		0.00	0.01	0.00	4.13	4.13	0.00	0.00	4.22
Total	**1.34**	**0.04**	**3.07**	**0.00**		**0.00**	**0.10**		**0.00**	**0.10**	**11.11**	**105.78**	**116.89**	**0.05**	**0.00**	**118.69**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.19					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	1.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	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
Landscaping	0.08	0.03	2.56	0.00		0.00	0.01		0.00	0.01	0.00	4.13	4.13	0.00	0.00	4.22
Total	**1.27**	**0.03**	**2.56**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**	**0.00**	**4.13**	**4.13**	**0.00**	**0.00**	**4.22**

6.0 Water Detail

6.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					135.32	0.38	0.01	146.49
Unmitigated					135.32	0.38	0.01	146.49
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	10.8156 / 6.81851					121.79	0.33	0.01	131.66
Health Club	0.183344 / 0.112372					2.04	0.01	0.00	2.21
Parking Structure	0 / 0					0.00	0.00	0.00	0.00
Quality Restaurant	0.758834 / 0.0484362					5.86	0.02	0.00	6.55
Strip Mall	0.503693 / 0.308715					5.62	0.02	0.00	6.08
Total						**135.31**	**0.38**	**0.01**	**146.50**

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Apartments Mid Rise	10.8156 / 6.81851					121.79	0.33	0.01	131.66
Health Club	0.183344 / 0.112372					2.04	0.01	0.00	2.21
Parking Structure	0 / 0					0.00	0.00	0.00	0.00
Quality Restaurant	0.758834 / 0.0484362					5.86	0.02	0.00	6.55
Strip Mall	0.503693 / 0.308715					5.62	0.02	0.00	6.08
Total						**135.31**	**0.38**	**0.01**	**146.50**

7.0 Waste Detail

7.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					21.00	1.24	0.00	47.06
Unmitigated					21.00	1.24	0.00	47.06
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	76.36					15.50	0.92	0.00	34.74
Health Club	17.67					3.59	0.21	0.00	8.04
Parking Structure	0					0.00	0.00	0.00	0.00
Quality Restaurant	2.28					0.46	0.03	0.00	1.04
Strip Mall	7.14					1.45	0.09	0.00	3.25
Total						**21.00**	**1.25**	**0.00**	**47.07**

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Apartments Mid Rise	76.36					15.50	0.92	0.00	34.74
Health Club	17.67					3.59	0.21	0.00	8.04
Parking Structure	0					0.00	0.00	0.00	0.00
Quality Restaurant	2.28					0.46	0.03	0.00	1.04
Strip Mall	7.14					1.45	0.09	0.00	3.25
Total						**21.00**	**1.25**	**0.00**	**47.07**

Appendix H

SCAQMD Rule 403

(Adopted May 7, 1976) (Amended November 6, 1992)
(Amended July 9, 1993) (Amended February 14, 1997)
(Amended December 11, 1998)(Amended April 2, 2004)
(Amended June 3, 2005)

RULE 403. FUGITIVE DUST

(a) Purpose

The purpose of this Rule is to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (man-made) fugitive dust sources by requiring actions to prevent, reduce or mitigate fugitive dust emissions.

(b) Applicability

The provisions of this Rule shall apply to any activity or man-made condition capable of generating fugitive dust.

(c) Definitions

(1) ACTIVE OPERATIONS means any source capable of generating fugitive dust, including, but not limited to, earth-moving activities, construction/demolition activities, disturbed surface area, or heavy- and light-duty vehicular movement.

(2) AGGREGATE-RELATED PLANTS are defined as facilities that produce and / or mix sand and gravel and crushed stone.

(3) AGRICULTURAL HANDBOOK means the region-specific guidance document that has been approved by the Governing Board or hereafter approved by the Executive Officer and the U.S. EPA. For the South Coast Air Basin, the Board-approved region-specific guidance document is the Rule 403 Agricultural Handbook dated December 1998. For the Coachella Valley, the Board-approved region-specific guidance document is the Rule 403 Coachella Valley Agricultural Handbook dated April 2, 2004.

(4) ANEMOMETERS are devices used to measure wind speed and direction in accordance with the performance standards, and maintenance and calibration criteria as contained in the most recent Rule 403 Implementation Handbook.

(5) BEST AVAILABLE CONTROL MEASURES means fugitive dust control actions that are set forth in Table 1 of this Rule.

(6) BULK MATERIAL is sand, gravel, soil, aggregate material less than two inches in length or diameter, and other organic or inorganic particulate matter.

(7) CEMENT MANUFACTURING FACILITY is any facility that has a cement kiln at the facility.

(8) CHEMICAL STABILIZERS are any non-toxic chemical dust suppressant which must not be used if prohibited for use by the Regional Water Quality Control Boards, the California Air Resources Board, the U.S. Environmental Protection Agency (U.S. EPA), or any applicable law, rule or regulation. The chemical stabilizers shall meet any specifications, criteria, or tests required by any federal, state, or local water agency. Unless otherwise indicated, the use of a non-toxic chemical stabilizer shall be of sufficient concentration and application frequency to maintain a stabilized surface.

(9) COMMERCIAL POULTRY RANCH means any building, structure, enclosure, or premises where more than 100 fowl are kept or maintained for the primary purpose of producing eggs or meat for sale or other distribution.

(10) CONFINED ANIMAL FACILITY means a source or group of sources of air pollution at an agricultural source for the raising of 3,360 or more fowl or 50 or more animals, including but not limited to, any structure, building, installation, farm, corral, coop, feed storage area, milking parlor, or system for the collection, storage, or distribution of solid and liquid manure; if domesticated animals, including horses, sheep, goats, swine, beef cattle, rabbits, chickens, turkeys, or ducks are corralled, penned, or otherwise caused to remain in restricted areas for commercial agricultural purposes and feeding is by means other than grazing.

(11) CONSTRUCTION/DEMOLITION ACTIVITIES means any on-site mechanical activities conducted in preparation of, or related to, the building, alteration, rehabilitation, demolition or improvement of property, including, but not limited to the following activities: grading, excavation, loading, crushing, cutting, planing, shaping or ground breaking.

(12) CONTRACTOR means any person who has a contractual arrangement to conduct an active operation for another person.

(13) DAIRY FARM is an operation on a property, or set of properties that are contiguous or separated only by a public right-of-way, that raises cows or

produces milk from cows for the purpose of making a profit or for a livelihood. Heifer and calf farms are dairy farms.

(14) DISTURBED SURFACE AREA means a portion of the earth's surface which has been physically moved, uncovered, destabilized, or otherwise modified from its undisturbed natural soil condition, thereby increasing the potential for emission of fugitive dust. This definition excludes those areas which have:

(A) been restored to a natural state, such that the vegetative ground cover and soil characteristics are similar to adjacent or nearby natural conditions;

(B) been paved or otherwise covered by a permanent structure; or

(C) sustained a vegetative ground cover of at least 70 percent of the native cover for a particular area for at least 30 days.

(15) DUST SUPPRESSANTS are water, hygroscopic materials, or non-toxic chemical stabilizers used as a treatment material to reduce fugitive dust emissions.

(16) EARTH-MOVING ACTIVITIES means the use of any equipment for any activity where soil is being moved or uncovered, and shall include, but not be limited to the following: grading, earth cutting and filling operations, loading or unloading of dirt or bulk materials, adding to or removing from open storage piles of bulk materials, landfill operations, weed abatement through disking, and soil mulching.

(17) DUST CONTROL SUPERVISOR means a person with the authority to expeditiously employ sufficient dust mitigation measures to ensure compliance with all Rule 403 requirements at an active operation.

(18) FUGITIVE DUST means any solid particulate matter that becomes airborne, other than that emitted from an exhaust stack, directly or indirectly as a result of the activities of any person.

(19) HIGH WIND CONDITIONS means that instantaneous wind speeds exceed 25 miles per hour.

(20) INACTIVE DISTURBED SURFACE AREA means any disturbed surface area upon which active operations have not occurred or are not expected to occur for a period of 20 consecutive days.

(21) LARGE OPERATIONS means any active operations on property which contains 50 or more acres of disturbed surface area; or any earth-moving operation with a daily earth-moving or throughput volume of 3,850 cubic

meters (5,000 cubic yards) or more three times during the most recent 365-day period.

(22) OPEN STORAGE PILE is any accumulation of bulk material, which is not fully enclosed, covered or chemically stabilized, and which attains a height of three feet or more and a total surface area of 150 or more square feet.

(23) PARTICULATE MATTER means any material, except uncombined water, which exists in a finely divided form as a liquid or solid at standard conditions.

(24) PAVED ROAD means a public or private improved street, highway, alley, public way, or easement that is covered by typical roadway materials, but excluding access roadways that connect a facility with a public paved roadway and are not open to through traffic. Public paved roads are those open to public access and that are owned by any federal, state, county, municipal or any other governmental or quasi-governmental agencies. Private paved roads are any paved roads not defined as public.

(25) PM_{10} means particulate matter with an aerodynamic diameter smaller than or equal to 10 microns as measured by the applicable State and Federal reference test methods.

(26) PROPERTY LINE means the boundaries of an area in which either a person causing the emission or a person allowing the emission has the legal use or possession of the property. Where such property is divided into one or more sub-tenancies, the property line(s) shall refer to the boundaries dividing the areas of all sub-tenancies.

(27) RULE 403 IMPLEMENTATION HANDBOOK means a guidance document that has been approved by the Governing Board on April 2, 2004 or hereafter approved by the Executive Officer and the U.S. EPA.

(28) SERVICE ROADS are paved or unpaved roads that are used by one or more public agencies for inspection or maintenance of infrastructure and which are not typically used for construction-related activity.

(29) SIMULTANEOUS SAMPLING means the operation of two PM_{10} samplers in such a manner that one sampler is started within five minutes of the other, and each sampler is operated for a consecutive period which must be not less than 290 minutes and not more than 310 minutes.

(30) SOUTH COAST AIR BASIN means the non-desert portions of Los Angeles, Riverside, and San Bernardino counties and all of Orange

County as defined in California Code of Regulations, Title 17, Section 60104. The area is bounded on the west by the Pacific Ocean, on the north and east by the San Gabriel, San Bernardino, and San Jacinto Mountains, and on the south by the San Diego county line.

(31) STABILIZED SURFACE means any previously disturbed surface area or open storage pile which, through the application of dust suppressants, shows visual or other evidence of surface crusting and is resistant to wind-driven fugitive dust and is demonstrated to be stabilized. Stabilization can be demonstrated by one or more of the applicable test methods contained in the Rule 403 Implementation Handbook.

(32) TRACK-OUT means any bulk material that adheres to and agglomerates on the exterior surface of motor vehicles, haul trucks, and equipment (including tires) that have been released onto a paved road and can be removed by a vacuum sweeper or a broom sweeper under normal operating conditions.

(33) TYPICAL ROADWAY MATERIALS means concrete, asphaltic concrete, recycled asphalt, asphalt, or any other material of equivalent performance as determined by the Executive Officer, and the U.S. EPA.

(34) UNPAVED ROADS means any unsealed or unpaved roads, equipment paths, or travel ways that are not covered by typical roadway materials. Public unpaved roads are any unpaved roadway owned by federal, state, county, municipal or other governmental or quasi-governmental agencies. Private unpaved roads are all other unpaved roadways not defined as public.

(35) VISIBLE ROADWAY DUST means any sand, soil, dirt, or other solid particulate matter which is visible upon paved road surfaces and which can be removed by a vacuum sweeper or a broom sweeper under normal operating conditions.

(36) WIND-DRIVEN FUGITIVE DUST means visible emissions from any disturbed surface area which is generated by wind action alone.

(37) WIND GUST is the maximum instantaneous wind speed as measured by an anemometer.

(d) Requirements

(1) No person shall cause or allow the emissions of fugitive dust from any active operation, open storage pile, or disturbed surface area such that:

(A) the dust remains visible in the atmosphere beyond the property line of the emission source; or

(B) the dust emission exceeds 20 percent opacity (as determined by the appropriate test method included in the Rule 403 Implementation Handbook), if the dust emission is the result of movement of a motorized vehicle.

(2) No person shall conduct active operations without utilizing the applicable best available control measures included in Table 1 of this Rule to minimize fugitive dust emissions from each fugitive dust source type within the active operation.

(3) No person shall cause or allow PM_{10} levels to exceed 50 micrograms per cubic meter when determined, by simultaneous sampling, as the difference between upwind and downwind samples collected on high-volume particulate matter samplers or other U.S. EPA-approved equivalent method for PM_{10} monitoring. If sampling is conducted, samplers shall be:

(A) Operated, maintained, and calibrated in accordance with 40 Code of Federal Regulations (CFR), Part 50, Appendix J, or appropriate U.S. EPA-published documents for U.S. EPA-approved equivalent method(s) for PM_{10}.

(B) Reasonably placed upwind and downwind of key activity areas and as close to the property line as feasible, such that other sources of fugitive dust between the sampler and the property line are minimized.

(4) No person shall allow track-out to extend 25 feet or more in cumulative length from the point of origin from an active operation. Notwithstanding the preceding, all track-out from an active operation shall be removed at the conclusion of each workday or evening shift.

(5) No person shall conduct an active operation with a disturbed surface area of five or more acres, or with a daily import or export of 100 cubic yards or more of bulk material without utilizing at least one of the measures listed in subparagraphs (d)(5)(A) through (d)(5)(E) at each vehicle egress from the site to a paved public road.

(A) Install a pad consisting of washed gravel (minimum-size: one inch) maintained in a clean condition to a depth of at least six inches and extending at least 30 feet wide and at least 50 feet long.

(B) Pave the surface extending at least 100 feet and at least 20 feet wide.

(C) Utilize a wheel shaker/wheel spreading device consisting of raised dividers (rails, pipe, or grates) at least 24 feet long and 10 feet wide to remove bulk material from tires and vehicle undercarriages before vehicles exit the site.

(D) Install and utilize a wheel washing system to remove bulk material from tires and vehicle undercarriages before vehicles exit the site.

(E) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the actions specified in subparagraphs (d)(5)(A) through (d)(5)(D).

(6) Beginning January 1, 2006, any person who operates or authorizes the operation of a confined animal facility subject to this Rule shall implement the applicable conservation management practices specified in Table 4 of this Rule.

(e) Additional Requirements for Large Operations

(1) Any person who conducts or authorizes the conducting of a large operation subject to this Rule shall implement the applicable actions specified in Table 2 of this Rule at all times and shall implement the applicable actions specified in Table 3 of this Rule when the applicable performance standards can not be met through use of Table 2 actions; and shall:

(A) submit a fully executed Large Operation Notification (Form 403 N) to the Executive Officer within 7 days of qualifying as a large operation;

(B) include, as part of the notification, the name(s), address(es), and phone number(s) of the person(s) responsible for the submittal, and a description of the operation(s), including a map depicting the location of the site;

(C) maintain daily records to document the specific dust control actions taken, maintain such records for a period of not less than three years; and make such records available to the Executive Officer upon request;

(D) install and maintain project signage with project contact signage that meets the minimum standards of the Rule 403 Implementation Handbook, prior to initiating any earthmoving activities;

(E) identify a dust control supervisor that:

(i) is employed by or contracted with the property owner or developer;

(ii) is on the site or available on-site within 30 minutes during working hours;

(iii) has the authority to expeditiously employ sufficient dust mitigation measures to ensure compliance with all Rule requirements;

(iv) has completed the AQMD Fugitive Dust Control Class and has been issued a valid Certificate of Completion for the class; and

(F) notify the Executive Officer in writing within 30 days after the site no longer qualifies as a large operation as defined by paragraph (c)(18).

(2) Any Large Operation Notification submitted to the Executive Officer or AQMD-approved dust control plan shall be valid for a period of one year from the date of written acceptance by the Executive Officer. Any Large Operation Notification accepted pursuant to paragraph (e)(1), excluding those submitted by aggregate-related plants and cement manufacturing facilities must be resubmitted annually by the person who conducts or authorizes the conducting of a large operation, at least 30 days prior to the expiration date, or the submittal shall no longer be valid as of the expiration date. If all fugitive dust sources and corresponding control measures or special circumstances remain identical to those identified in the previously accepted submittal or in an AQMD-approved dust control plan, the resubmittal may be a simple statement of no-change (Form 403NC).

(f) Compliance Schedule

The newly amended provisions of this Rule shall become effective upon adoption. Pursuant to subdivision (e), any existing site that qualifies as a large operation will have 60 days from the date of Rule adoption to comply with the notification and recordkeeping requirements for large operations. Any Large Operation

Notification or AQMD-approved dust control plan which has been accepted prior to the date of adoption of these amendments shall remain in effect and the Large Operation Notification or AQMD-approved dust control plan annual resubmittal date shall be one year from adoption of this Rule amendment.

(g) Exemptions

(1) The provisions of this Rule shall not apply to:

(A) Dairy farms.

(B) Confined animal facilities provided that the combined disturbed surface area within one continuous property line is one acre or less.

(C) Agricultural vegetative crop operations provided that the combined disturbed surface area within one continuous property line and not separated by a paved public road is 10 acres or less.

(D) Agricultural vegetative crop operations within the South Coast Air Basin, whose combined disturbed surface area includes more than 10 acres provided that the person responsible for such operations:

(i) voluntarily implements the conservation management practices contained in the Rule 403 Agricultural Handbook;

(ii) completes and maintains the self-monitoring form documenting sufficient conservation management practices, as described in the Rule 403 Agricultural Handbook; and

(iii) makes the completed self-monitoring form available to the Executive Officer upon request.

(E) Agricultural vegetative crop operations outside the South Coast Air Basin whose combined disturbed surface area includes more than 10 acres provided that the person responsible for such operations:

(i) voluntarily implements the conservation management practices contained in the Rule 403 Coachella Valley Agricultural Handbook; and

(ii) completes and maintains the self-monitoring form documenting sufficient conservation management practices, as described in the Rule 403 Coachella Valley Agricultural Handbook; and

(iii) makes the completed self-monitoring form available to the Executive Officer upon request.

(F) Active operations conducted during emergency life-threatening situations, or in conjunction with any officially declared disaster or state of emergency.

(G) Active operations conducted by essential service utilities to provide electricity, natural gas, telephone, water and sewer during periods of service outages and emergency disruptions.

(H) Any contractor subsequent to the time the contract ends, provided that such contractor implemented the required control measures during the contractual period.

(I) Any grading contractor, for a phase of active operations, subsequent to the contractual completion of that phase of earth-moving activities, provided that the required control measures have been implemented during the entire phase of earth-moving activities, through and including five days after the final grading inspection.

(J) Weed abatement operations ordered by a county agricultural commissioner or any state, county, or municipal fire department, provided that:

(i) mowing, cutting or other similar process is used which maintains weed stubble at least three inches above the soil; and

(ii) any discing or similar operation which cuts into and disturbs the soil, where watering is used prior to initiation of these activities, and a determination is made by the agency issuing the weed abatement order that, due to fire hazard conditions, rocks, or other physical obstructions, it is not practical to meet the conditions specified in clause (g)(1)(H)(i). The provisions this clause shall not exempt the owner of any property from stabilizing, in accordance with paragraph (d)(2), disturbed surface areas which have been created as a result of the weed abatement actions.

(K) sandblasting operations.

(2) The provisions of paragraphs (d)(1) and (d)(3) shall not apply:

(A) When wind gusts exceed 25 miles per hour, provided that:

(i) The required Table 3 contingency measures in this Rule are implemented for each applicable fugitive dust source type, and;

(ii) records are maintained in accordance with subparagraph (e)(1)(C).

(B) To unpaved roads, provided such roads:

(i) are used solely for the maintenance of wind-generating equipment; or

(ii) are unpaved public alleys as defined in Rule 1186; or

(iii) are service roads that meet all of the following criteria:

(a) are less than 50 feet in width at all points along the road;

(b) are within 25 feet of the property line; and

(c) have a traffic volume less than 20 vehicle-trips per day.

(C) To any active operation, open storage pile, or disturbed surface area for which necessary fugitive dust preventive or mitigative actions are in conflict with the federal Endangered Species Act, as determined in writing by the State or federal agency responsible for making such determinations.

(3) The provisions of (d)(2) shall not apply to any aggregate-related plant or cement manufacturing facility that implements the applicable actions specified in Table 2 of this Rule at all times and shall implement the applicable actions specified in Table 3 of this Rule when the applicable performance standards of paragraphs (d)(1) and (d)(3) can not be met through use of Table 2 actions.

(4) The provisions of paragraphs (d)(1), (d)(2), and (d)(3) shall not apply to:

(A) Blasting operations which have been permitted by the California Division of Industrial Safety; and

(B) Motion picture, television, and video production activities when dust emissions are required for visual effects. In order to obtain this exemption, the Executive Officer must receive notification in writing at least 72 hours in advance of any such activity and no nuisance results from such activity.

(5) The provisions of paragraph (d)(3) shall not apply if the dust control actions, as specified in Table 2, are implemented on a routine basis for

each applicable fugitive dust source type. To qualify for this exemption, a person must maintain records in accordance with subparagraph (e)(1)(C).

(6) The provisions of paragraph (d)(4) shall not apply to earth coverings of public paved roadways where such coverings are approved by a local government agency for the protection of the roadway, and where such coverings are used as roadway crossings for haul vehicles provided that such roadway is closed to through traffic and visible roadway dust is removed within one day following the cessation of activities.

(7) The provisions of subdivision (e) shall not apply to:

(A) officially-designated public parks and recreational areas, including national parks, national monuments, national forests, state parks, state recreational areas, and county regional parks.

(B) any large operation which is required to submit a dust control plan to any city or county government which has adopted a District-approved dust control ordinance.

(C) any large operation subject to Rule 1158, which has an approved dust control plan pursuant to Rule 1158, provided that all sources of fugitive dust are included in the Rule 1158 plan.

(8) The provisions of subparagraph (e)(1)(A) through (e)(1)(C) shall not apply to any large operation with an AQMD-approved fugitive dust control plan provided that there is no change to the sources and controls as identified in the AQMD-approved fugitive dust control plan.

(h) Fees

Any person conducting active operations for which the Executive Officer conducts upwind/downwind monitoring for PM_{10} pursuant to paragraph (d)(3) shall be assessed applicable Ambient Air Analysis Fees pursuant to Rule 304.1. Applicable fees shall be waived for any facility which is exempted from paragraph (d)(3) or meets the requirements of paragraph (d)(3).

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Backfilling	01-1 Stabilize backfill material when not actively handling; and 01-2 Stabilize backfill material during handling; and 01-3 Stabilize soil at completion of activity.	✓ Mix backfill soil with water prior to moving ✓ Dedicate water truck or high capacity hose to backfilling equipment ✓ Empty loader bucket slowly so that no dust plumes are generated ✓ Minimize drop height from loader bucket
Clearing and grubbing	02-1 Maintain stability of soil through pre-watering of site prior to clearing and grubbing; and 02-2 Stabilize soil during clearing and grubbing activities; and 02-3 Stabilize soil immediately after clearing and grubbing activities.	✓ Maintain live perennial vegetation where possible ✓ Apply water in sufficient quantity to prevent generation of dust plumes
Clearing forms	03-1 Use water spray to clear forms; or 03-2 Use sweeping and water spray to clear forms; or 03-3 Use vacuum system to clear forms.	✓ Use of high pressure air to clear forms may cause exceedance of Rule requirements
Crushing	04-1 Stabilize surface soils prior to operation of support equipment; and 04-2 Stabilize material after crushing.	✓ Follow permit conditions for crushing equipment ✓ Pre-water material prior to loading into crusher ✓ Monitor crusher emissions opacity ✓ Apply water to crushed material to prevent dust plumes

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Cut and fill	05-1 Pre-water soils prior to cut and fill activities; and 05-2 Stabilize soil during and after cut and fill activities.	✓ For large sites, pre-water with sprinklers or water trucks and allow time for penetration ✓ Use water trucks/pulls to water soils to depth of cut prior to subsequent cuts
Demolition – mechanical/manual	06-1 Stabilize wind erodible surfaces to reduce dust; and 06-2 Stabilize surface soil where support equipment and vehicles will operate; and 06-3 Stabilize loose soil and demolition debris; and 06-4 Comply with AQMD Rule 1403.	✓ Apply water in sufficient quantities to prevent the generation of visible dust plumes
Disturbed soil	07-1 Stabilize disturbed soil throughout the construction site; and 07-2 Stabilize disturbed soil between structures	✓ Limit vehicular traffic and disturbances on soils where possible ✓ If interior block walls are planned, install as early as possible ✓ Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes
Earth-moving activities	08-1 Pre-apply water to depth of proposed cuts; and 08-2 Re-apply water as necessary to maintain soils in a damp condition and to ensure that visible emissions do not exceed 100 feet in any direction; and 08-3 Stabilize soils once earth-moving activities are complete.	✓ Grade each project phase separately, timed to coincide with construction phase ✓ Upwind fencing can prevent material movement on site ✓ Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Importing/exporting of bulk materials	09-1 Stabilize material while loading to reduce fugitive dust emissions; and 09-2 Maintain at least six inches of freeboard on haul vehicles; and 09-3 Stabilize material while transporting to reduce fugitive dust emissions; and 09-4 Stabilize material while unloading to reduce fugitive dust emissions; and 09-5 Comply with Vehicle Code Section 23114.	✓ Use tarps or other suitable enclosures on haul trucks ✓ Check belly-dump truck seals regularly and remove any trapped rocks to prevent spillage ✓ Comply with track-out prevention/mitigation requirements ✓ Provide water while loading and unloading to reduce visible dust plumes
Landscaping	10-1 Stabilize soils, materials, slopes	✓ Apply water to materials to stabilize ✓ Maintain materials in a crusted condition ✓ Maintain effective cover over materials ✓ Stabilize sloping surfaces using soil binders until vegetation or ground cover can effectively stabilize the slopes ✓ Hydroseed prior to rain season
Road shoulder maintenance	11-1 Apply water to unpaved shoulders prior to clearing; and 11-2 Apply chemical dust suppressants and/or washed gravel to maintain a stabilized surface after completing road shoulder maintenance.	✓ Installation of curbing and/or paving of road shoulders can reduce recurring maintenance costs ✓ Use of chemical dust suppressants can inhibit vegetation growth and reduce future road shoulder maintenance costs

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Screening	12-1 Pre-water material prior to screening; and 12-2 Limit fugitive dust emissions to opacity and plume length standards; and 12-3 Stabilize material immediately after screening.	✓ Dedicate water truck or high capacity hose to screening operation ✓ Drop material through the screen slowly and minimize drop height ✓ Install wind barrier with a porosity of no more than 50% upwind of screen to the height of the drop point
Staging areas	13-1 Stabilize staging areas during use; and 13-2 Stabilize staging area soils at project completion.	✓ Limit size of staging area ✓ Limit vehicle speeds to 15 miles per hour ✓ Limit number and size of staging area entrances/exists
Stockpiles/ Bulk Material Handling	14-1 Stabilize stockpiled materials. 14-2 Stockpiles within 100 yards of off-site occupied buildings must not be greater than eight feet in height; or must have a road bladed to the top to allow water truck access or must have an operational water irrigation system that is capable of complete stockpile coverage.	✓ Add or remove material from the downwind portion of the storage pile ✓ Maintain storage piles to avoid steep sides or faces

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Traffic areas for construction activities	15-1 Stabilize all off-road traffic and parking areas; and 15-2 Stabilize all haul routes; and 15-3 Direct construction traffic over established haul routes.	✓ Apply gravel/paving to all haul routes as soon as possible to all future roadway areas ✓ Barriers can be used to ensure vehicles are only used on established parking areas/haul routes
Trenching	16-1 Stabilize surface soils where trencher or excavator and support equipment will operate; and 16-2 Stabilize soils at the completion of trenching activities.	✓ Pre-watering of soils prior to trenching is an effective preventive measure. For deep trenching activities, pre-trench to 18 inches soak soils via the pre-trench and resuming trenching ✓ Washing mud and soils from equipment at the conclusion of trenching activities can prevent crusting and drying of soil on equipment
Truck loading	17-1 Pre-water material prior to loading; and 17-2 Ensure that freeboard exceeds six inches (CVC 23114)	✓ Empty loader bucket such that no visible dust plumes are created ✓ Ensure that the loader bucket is close to the truck to minimize drop height while loading
Turf Overseeding	18-1 Apply sufficient water immediately prior to conducting turf vacuuming activities to meet opacity and plume length standards; and 18-2 Cover haul vehicles prior to exiting the site.	✓ Haul waste material immediately off-site

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure		Guidance
Unpaved roads/parking lots	19-1	Stabilize soils to meet the applicable performance standards; and	✓ Restricting vehicular access to established unpaved travel paths and parking lots can reduce stabilization requirements
	19-2	Limit vehicular travel to established unpaved roads (haul routes) and unpaved parking lots.	
Vacant land	20-1	In instances where vacant lots are 0.10 acre or larger and have a cumulative area of 500 square feet or more that are driven over and/or used by motor vehicles and/or off-road vehicles, prevent motor vehicle and/or off-road vehicle trespassing, parking and/or access by installing barriers, curbs, fences, gates, posts, signs, shrubs, trees or other effective control measures.	

Table 2
DUST CONTROL MEASURES FOR LARGE OPERATIONS

FUGITIVE DUST SOURCE CATEGORY		CONTROL ACTIONS
Earth-moving (except construction cutting and filling areas, and mining operations)	(1a)	Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations each subsequent four-hour period of active operations; OR
	(1a-1)	For any earth-moving which is more than 100 feet from all property lines, conduct watering as necessary to prevent visible dust emissions from exceeding 100 feet in length in any direction.
Earth-moving: Construction fill areas:	(1b)	Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. For areas which have an optimum moisture content for compaction of less than 12 percent, as determined by ASTM Method 1557 or other equivalent method approved by the Executive Officer and the California Air Resources Board and the U.S. EPA, complete the compaction process as expeditiously as possible after achieving at least 70 percent of the optimum soil moisture content. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations during each subsequent four-hour period of active operations.

Table 2 (Continued)

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS	
Earth-moving: Construction cut areas and mining operations:	(1c)	Conduct watering as necessary to prevent visible emissions from extending more than 100 feet beyond the active cut or mining area unless the area is inaccessible to watering vehicles due to slope conditions or other safety factors.
Disturbed surface areas (except completed grading areas)	(2a/b)	Apply dust suppression in sufficient quantity and frequency to maintain a stabilized surface. Any areas which cannot be stabilized, as evidenced by wind driven fugitive dust must have an application of water at least twice per day to at least 80 percent of the unstabilized area.
Disturbed surface areas: Completed grading areas	(2c)	Apply chemical stabilizers within five working days of grading completion; OR
	(2d)	Take actions (3a) or (3c) specified for inactive disturbed surface areas.
Inactive disturbed surface areas	(3a)	Apply water to at least 80 percent of all inactive disturbed surface areas on a daily basis when there is evidence of wind driven fugitive dust, excluding any areas which are inaccessible to watering vehicles due to excessive slope or other safety conditions; OR
	(3b)	Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; OR
	(3c)	Establish a vegetative ground cover within 21 days after active operations have ceased. Ground cover must be of sufficient density to expose less than 30 percent of unstabilized ground within 90 days of planting, and at all times thereafter; OR
	(3d)	Utilize any combination of control actions (3a), (3b), and (3c) such that, in total, these actions apply to all inactive disturbed surface areas.

Table 2 (Continued)

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS	
Unpaved Roads	(4a)	Water all roads used for any vehicular traffic at least once per every two hours of active operations [3 times per normal 8 hour work day]; OR
	(4b)	Water all roads used for any vehicular traffic once daily and restrict vehicle speeds to 15 miles per hour; OR
	(4c)	Apply a chemical stabilizer to all unpaved road surfaces in sufficient quantity and frequency to maintain a stabilized surface.
Open storage piles	(5a)	Apply chemical stabilizers; OR
	(5b)	Apply water to at least 80 percent of the surface area of all open storage piles on a daily basis when there is evidence of wind driven fugitive dust; OR
	(5c)	Install temporary coverings; OR
	(5d)	Install a three-sided enclosure with walls with no more than 50 percent porosity which extend, at a minimum, to the top of the pile. This option may only be used at aggregate-related plants or at cement manufacturing facilities.
All Categories	(6a)	Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified in Table 2 may be used.

TABLE 3
CONTINGENCY CONTROL MEASURES FOR LARGE OPERATIONS

FUGITIVE DUST SOURCE CATEGORY	CONTROL MEASURES
Earth-moving	(1A) Cease all active operations; OR (2A) Apply water to soil not more than 15 minutes prior to moving such soil.
Disturbed surface areas	(0B) On the last day of active operations prior to a weekend, holiday, or any other period when active operations will not occur for not more than four consecutive days: apply water with a mixture of chemical stabilizer diluted to not less than 1/20 of the concentration required to maintain a stabilized surface for a period of six months; OR (1B) Apply chemical stabilizers prior to wind event; OR (2B) Apply water to all unstabilized disturbed areas 3 times per day. If there is any evidence of wind driven fugitive dust, watering frequency is increased to a minimum of four times per day; OR (3B) Take the actions specified in Table 2, Item (3c); OR (4B) Utilize any combination of control actions (1B), (2B), and (3B) such that, in total, these actions apply to all disturbed surface areas.
Unpaved roads	(1C) Apply chemical stabilizers prior to wind event; OR (2C) Apply water twice per hour during active operation; OR (3C) Stop all vehicular traffic.
Open storage piles	(1D) Apply water twice per hour; OR (2D) Install temporary coverings.
Paved road track-out	(1E) Cover all haul vehicles; OR (2E) Comply with the vehicle freeboard requirements of Section 23114 of the California Vehicle Code for both public and private roads.
All Categories	(1F) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified in Table 3 may be used.

Table 4
(Conservation Management Practices for Confined Animal Facilities)

SOURCE CATEGORY	CONSERVATION MANAGEMENT PRACTICES
Manure Handling **(Only applicable to Commercial Poultry Ranches)**	(1a) Cover manure prior to removing material off-site; AND (1b) Spread the manure before 11:00 AM and when wind conditions are less than 25 miles per hour; AND (1c) Utilize coning and drying manure management by removing manure at laying hen houses at least twice per year and maintain a base of no less than 6 inches of dry manure after clean out; or in lieu of complying with conservation management practice (1c), comply with conservation management practice (1d). (1d) Utilize frequent manure removal by removing the manure from laying hen houses at least every seven days and immediately thin bed dry the material.
Feedstock Handling	(2a) Utilize a sock or boot on the feed truck auger when filling feed storage bins.
Disturbed Surfaces	(3a) Maintain at least 70 percent vegetative cover on vacant portions of the facility; OR (3b) Utilize conservation tillage practices to manage the amount, orientation and distribution of crop and other plant residues on the soil surface year-round, while growing crops (if applicable) in narrow slots or tilled strips; OR (3c) Apply dust suppressants in sufficient concentrations and frequencies to maintain a stabilized surface.
Unpaved Roads	(4a) Restrict access to private unpaved roads either through signage or physical access restrictions and control vehicular speeds to no more than 15 miles per hour through worker notifications, signage, or any other necessary means; OR (4b) Cover frequently traveled unpaved roads with low silt content material (i.e., asphalt, concrete, recycled road base, or gravel to a minimum depth of four inches); OR (4c) Treat unpaved roads with water, mulch, chemical dust suppressants or other cover to maintain a stabilized surface.
Equipment Parking Areas	(5a) Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; OR (5b) Apply material with low silt content (i.e., asphalt, concrete, recycled road base, or gravel to a depth of four inches).