

Appendix A. Air Quality Calculations

LOS ANGELES CIVIC CENTE, CALIFORNIA (045115)

Period of Record Monthly Climate Summary

Period of Record : 1/ 1/1914 to 12/31/2004

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	66.4	67.4	68.9	71.1	73.0	77.1	82.4	83.2	81.8	77.5	72.9	67.6	74.1
Average Min. Temperature (F)	48.4	49.7	51.2	53.5	56.6	59.8	63.1	64.0	62.7	58.8	53.3	49.3	55.9
Average Total Precipitation (in.)	3.13	3.37	2.45	1.04	0.26	0.06	0.01	0.06	0.28	0.44	1.32	2.40	14.81
Average Total SnowFall (in.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

Percent of possible observations for period of record.

Max. Temp.: 99.5% Min. Temp.: 99.5% Precipitation: 99.5% Snowfall: 41.6% Snow Depth: 41.6%

Check [Station Metadata](#) or [Metadata graphics](#) for more detail about data completeness.

Western Regional Climate Center, wrcc@dri.edu

LOS ANGELES CIVIC CENTE, CALIFORNIA

Period of Record General Climate Summary - Temperature

Station:(045115) LOS ANGELES CIVIC CENTE															
From Year=1914 To Year=2004															
	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	66.4	48.4	57.4	95	18/1971	28	04/1949	65.9	86	46.9	***	0.1	0.0	0.1	0.0
February	67.4	49.7	58.5	95	20/1995	34	14/1949	65.3	95	52.7	***	0.1	0.0	0.0	0.0
March	68.9	51.2	60.0	98	26/1988	35	04/1976	66.0	31	54.6	***	0.3	0.0	0.0	0.0
April	71.1	53.5	62.3	106	06/1989	39	07/1975	69.6	92	56.0	***	0.8	0.0	0.0	0.0
May	73.0	56.6	64.8	102	16/1967	40	12/1933	72.6	97	58.7	17	0.9	0.0	0.0	0.0
June	77.1	59.8	68.4	112	26/1990	49	01/1917	77.4	81	63.4	44	1.3	0.0	0.0	0.0
July	82.4	63.1	72.8	107	01/1985	54	09/1920	79.2	85	66.6	44	3.2	0.0	0.0	0.0
August	83.2	64.0	73.6	105	06/1983	53	26/1943	80.8	83	68.1	14	4.1	0.0	0.0	0.0
September	81.8	62.7	72.3	110	01/1955	50	22/1921	81.3	84	64.6	33	4.9	0.0	0.0	0.0
October	77.5	58.8	68.1	108	03/1987	41	30/1971	74.2	83	59.7	16	3.0	0.0	0.0	0.0
November	72.9	53.3	63.1	100	01/1966	37	28/1919	68.9	32	58.4	78	0.7	0.0	0.0	0.0
December	67.6	49.3	58.5	92	08/1938	30	08/1978	64.2	39	52.6	16	0.0	0.0	0.0	0.0
Annual	74.1	55.9	65.0	112	19900626	28	19490104	68.9	81	60.9	16	19.3	0.0	0.1	0.0
Winter	67.1	49.1	58.1	95	19710118	28	19490104	63.3	86	51.0	49	0.2	0.0	0.1	0.0

Spring	71.0	53.8	62.4	106	19890406	35	19760304	67.8	97	57.8	17	1.9	0.0	0.0	0.0
Summer	80.9	62.3	71.6	112	19900626	49	19170601	77.6	81	66.4	16	8.5	0.0	0.0	0.0
Fall	77.4	58.3	67.8	110	19550901	37	19191128	72.2	83	61.4	16	8.6	0.0	0.0	0.0

Table updated on Mar 30, 2005

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

LOS ANGELES CIVIC CENTE, CALIFORNIA

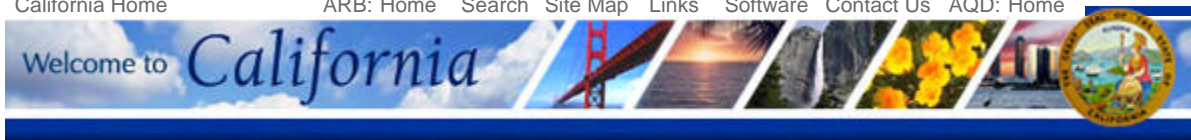
Period of Record General Climate Summary - Precipitation

Station:(045115) LOS ANGELES CIVIC CENTE														
From Year=1914 To Year=2004														
	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	3.13	14.94	69	0.00	48	5.71	26/1956	6	4	2	1	0.0	0.3	49
February	3.37	13.68	98	0.00	33	4.26	18/1914	6	5	2	1	0.0	0.0	49
March	2.45	8.37	83	0.00	31	5.88	02/1938	6	4	2	1	0.0	0.0	49
April	1.04	7.53	26	0.00	16	2.74	05/1926	4	2	1	0	0.0	0.2	50
May	0.26	3.57	21	0.00	23	2.02	08/1977	1	1	0	0	0.0	0.0	49
June	0.06	0.98	99	0.00	15	0.76	05/1993	1	0	0	0	0.0	0.0	49
July	0.01	0.18	86	0.00	15	0.13	08/1991	0	0	0	0	0.0	0.0	48
August	0.06	2.26	77	0.00	14	2.06	17/1977	0	0	0	0	0.0	0.0	48
September	0.28	5.67	39	0.00	14	3.96	25/1939	1	0	0	0	0.0	0.0	48
October	0.44	4.56	104	0.00	15	1.72	17/1934	2	1	0	0	0.0	0.0	48
November	1.32	9.68	65	0.00	29	3.85	07/1966	3	2	1	0	0.0	0.0	48
December	2.40	8.77	104	0.00	29	5.55	28/2004	5	4	2	1	0.0	0.0	48
Annual	14.81	34.04	83	3.85	53	5.88	19380302	36	23	10	4	0.0	0.3	49
Winter	8.90	24.25	69	1.19	24	5.71	19560126	18	13	6	3	0.0	0.3	49
Spring	3.75	13.89	83	0.00	97	5.88	19380302	11	7	3	1	0.0	0.2	50
Summer	0.13	2.26	77	0.00	15	2.06	19770817	1	0	0	0	0.0	0.0	49
Fall	2.03	11.48	65	0.00	80	3.96	19390925	6	4	1	0	0.0	0.0	48

Table updated on Mar 30, 2005

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.



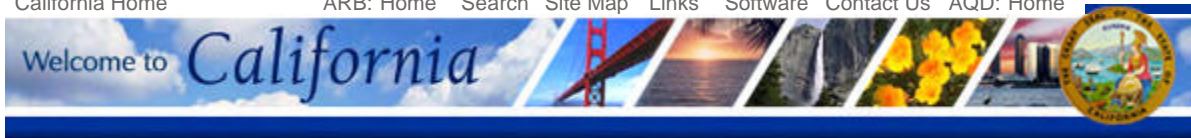
Highest 4 Daily Maximum Hourly Ozone Measurements

Los Angeles-North Main Street

Year:	2002		2003		2004	
	Date	Measurement	Date	Measurement	Date	Measurement
First High:	Jun 5	0.122	May 28	0.152	Aug 29	0.110
Second High:	Sep 2	0.115	Jun 30	0.118	Sep 7	0.107
Third High:	Sep 12	0.110	Oct 26	0.115	Sep 1	0.105
Fourth High:	Jul 8	0.105	Aug 14	0.110	Sep 6	0.104
# Days Above Nat'l Standard:		0		1		0
# Days Above State Standard:		8		11		7
Year Coverage:		98		99		94
	Go Backward One Year		New Top 4 Summary		Go Forward One Year	

Notes: All concentrations are expressed in parts per million.
 State exceedances are shown in **yellow**. National exceedances are shown in **orange**.
 National exceedances are also state exceedances.
 An exceedance is not necessarily a violation.
 Year Coverage indicates how complete monitoring was during the time of the year when concentrations are highest. 0 means there was no coverage; 100 means there was complete coverage.
 Blanks mean that there was insufficient data available to determine the value.

Switch:	8-Hour Ozone	PM10	PM2.5	Carbon Monoxide	Nitrogen Dioxide	Sulfur Dioxide	Hydrogen Sulfide
Go to:	Data Statistics Home Page			Top 4 Summaries Start Page			



Air Resources Board



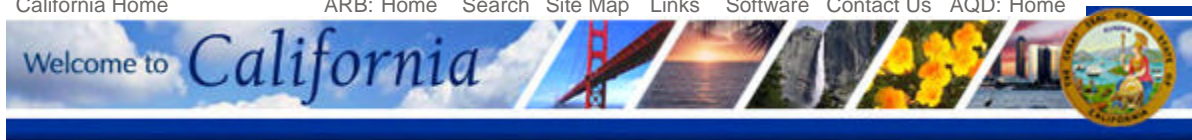
Highest 4 Daily Maximum 8-Hour Ozone Averages

Los Angeles-North Main Street

Year:	2002		2003		2004	
	Date	Measurement	Date	Measurement	Date	Measurement
First High:	Jul 8	0.079	Sep 20	0.088	Sep 6	0.091
Second High:	Jun 16	0.078	Aug 16	0.085	Aug 29	0.079
Third High:	Jun 5	0.077	Jul 5	0.083	Jun 5	0.078
Fourth High:	Sep 2	0.077	Jul 13	0.082	Sep 11	0.078
# Days Above Nat'l Standard:	0		2		1	
Year Coverage:	98		99		94	
	Go Backward One Year		New Top 4 Summary		Go Forward One Year	

Notes: All averages are expressed in parts per million.
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Switch:	Hourly Ozone	PM10	PM2.5	Carbon Monoxide	Nitrogen Dioxide	Sulfur Dioxide	Hydrogen Sulfide
Go to:	Data Statistics Home Page			Top 4 Summaries Start Page			



Highest 4 Daily Maximum 8-Hour Carbon Monoxide Averages

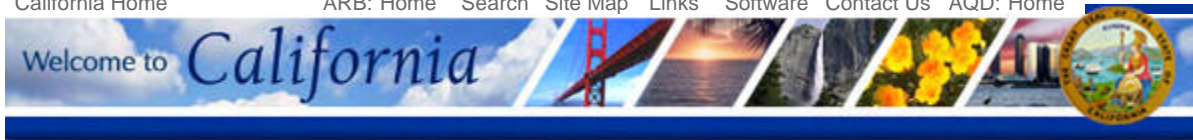
Los Angeles-North Main Street

Year:	2002		2003		2004	
	Date	Measurement	Date	Measurement	Date	Measurement
National:						
First High:	Jan 11	3.80	Dec 5	4.47	Dec 16	3.18
Second High:	Jan 26	3.70	Jan 18	3.53	Jan 9	3.14
Third High:	Nov 15	3.69	Oct 24	3.51	Oct 8	3.03
Fourth High:	Jan 5	3.66	Dec 6	3.51	Jan 7	2.91
California:						
First High:	Jan 10	3.80	Dec 5	4.47	Dec 15	3.18
Second High:	Jan 25	3.70	Jan 17	3.53	Jan 8	3.14
Third High:	Nov 14	3.69	Oct 24	3.51	Oct 8	3.03
Fourth High:	Jan 4	3.66	Dec 6	3.51	Jan 1	3.01
# Days Above Nat'l Standard:	0		0		0	
# Days Above State Standard:	0		0		0	
Year Coverage:	91		98		85	

[Go Backward One Year](#)
 [New Top 4 Summary](#)
 [Go Forward One Year](#)

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Switch:	Hourly Ozone	8-Hour Ozone	PM10	PM2.5	Nitrogen Dioxide	Sulfur Dioxide	Hydrogen Sulfide
Go to:	Data Statistics Home Page			Top 4 Summaries Start Page			



Air Resources Board



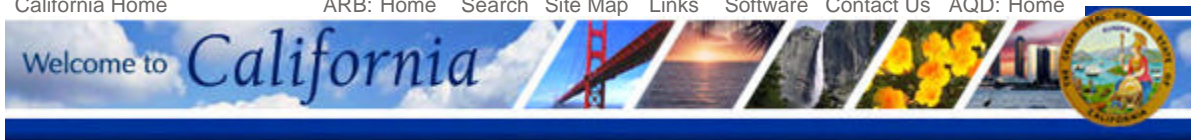
Highest 4 Daily PM10 Measurements

Los Angeles-North Main Street

Year:	2002		2003		2004		
	Date	Measurement	Date	Measurement	Date	Measurement	
National:							
First High:	Apr 14	65.0	Oct 24	81.0	Oct 6	72.0	
Second High:	Feb 25	61.0	Dec 5	76.0	Mar 19	71.0	
Third High:	Jan 14	59.0	Oct 6	60.0	Mar 16	64.0	
Fourth High:	Sep 23	57.0	Jun 2	58.0	Mar 10	58.0	
California:							
First High:	Apr 14	64.0	Oct 24	80.0	Mar 16	63.0	
Second High:	Jan 14	59.0	Dec 5	75.0	Mar 10	58.0	
Third High:	Sep 23	56.0	Oct 6	59.0	Mar 22	54.0	
Fourth High:	Nov 22	53.0	Jun 2	58.0	Apr 9	53.0	
Measured:							
# Days Above Nat'l Standard:	0		0		0		
# Days Above State Standard:	7		6		4		
Estimated:							
3-Yr Avg # Days Above Nat'l Std:							
# Days Above Nat'l Standard:			0.0		0.0		
# Days Above State Standard:			36.3				
National 3-Year Average:							
National Annual Average:			34.7		32.9		
State 3-Yr Maximum Average:			34		34		
State Annual Average:			34.3				
Year Coverage:	93		100		100		
		Go Backward One Year		New Top 4 Summary		Go Forward One Year	

Notes: All concentrations are expressed in micrograms per cubic meter. State exceedances are shown in **yellow**. National exceedances are shown in **orange**. An exceedance is not necessarily a violation. 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 how complete monitoring was during the time of the year when concentrations are highest. 0 means there was no coverage; 100 means there was complete coverage. Blanks mean that there was insufficient data available to determine the value.

Switch:	Hourly Ozone	8-Hour Ozone	PM2.5	Carbon Monoxide	Nitrogen Dioxide	Sulfur Dioxide	Hydrogen Sulfide
Go to:	Data Statistics Home Page			Top 4 Summaries Start Page			



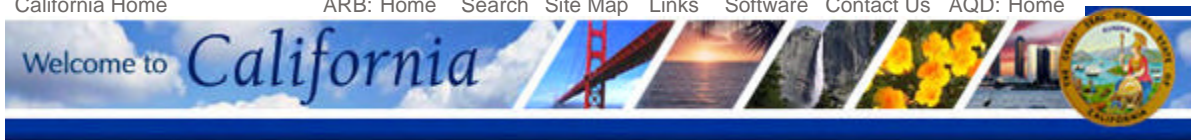
Highest 4 Daily PM2.5 Measurements

Los Angeles-North Main Street

Year:	2002		2003		2004	
	Date	Measurement	Date	Measurement	Date	Measurement
National:						
First High:	Oct 15	66.3	Oct 28	83.7	Mar 15	75.0
Second High:	Apr 1	62.1	Oct 7	73.2	Mar 18	66.3
Third High:	Oct 9	59.6	Jul 4	69.6	Mar 19	62.7
Fourth High:	Nov 5	58.8	Jul 5	68.9	Oct 6	54.6
California:						
First High:	Oct 15	66.3	Oct 28	83.7	Mar 15	75.0
Second High:	Apr 1	62.1	Oct 7	73.2	Mar 18	66.3
Third High:	Oct 9	59.6	Jul 4	69.6	Mar 19	62.7
Fourth High:	Nov 5	58.8	Jul 5	68.9	Oct 6	54.6
# Days Above Nat'l Standard:	1		4		2	
3-Year Average 98th Percentile:			61.3		66.3	
1-Year 98th Percentile:					66.3	
National 3-Year Average:	22		22		21	
National Annual Average:	22.0		21.3		19.7	
State 3-Yr Maximum Average:	22					
State Annual Average:						
		Go Backward One Year	New Top 4 Summary	Go Forward One Year		

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 State and national statistics may therefore be based on different samplers.
 State criteria for ensuring that data are sufficiently complete for calculating valid annual averages are more stringent than the national criteria.
 3-Year statistics represent the listed year and the 2 years before the listed year.
 Blanks mean that there was insufficient data available to determine the value.

Switch:	Hourly Ozone	8-Hour Ozone	PM10	Carbon Monoxide	Nitrogen Dioxide	Sulfur Dioxide	Hydrogen Sulfide
Go to:	Data Statistics Home Page			Top 4 Summaries Start Page			



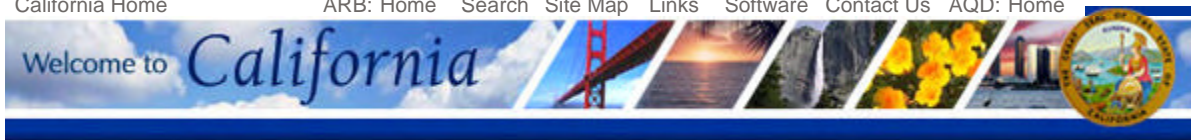
Highest 4 Daily Maximum Hourly Nitrogen Dioxide Measurements

Los Angeles-North Main Street

Year:	2002		2003		2004	
	Date	Measurement	Date	Measurement	Date	Measurement
First High:	Sep 23	0.143	Dec 5	0.163	Oct 8	0.157
Second High:	Feb 13	0.137	May 21	0.141	Oct 26	0.137
Third High:	Sep 24	0.136	Aug 14	0.133	Oct 7	0.119
Fourth High:	Feb 7	0.125	Aug 12	0.130	Sep 1	0.112
# Days Above State Standard:	0		0		0	
Annual Average:	0.032		0.033		0.034	
Year Coverage:	99		99		91	
	Go Backward One Year		New Top 4 Summary		Go Forward One Year	

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 Blanks mean that there was insufficient data available to determine the value.

Switch:	Hourly Ozone	8-Hour Ozone	PM10	PM2.5	Carbon Monoxide	Sulfur Dioxide	Hydrogen Sulfide
Go to:	Data Statistics Home Page				Top 4 Summaries Start Page		



Highest 4 Maximum 24-Hour Sulfur Dioxide Averages

Los Angeles-North Main Street

Year:	2002		2003		2004	
	Date	Measurement	Date	Measurement	Date	Measurement
First High:	Feb 13	0.008	Sep 4	0.006	Dec 3	0.015
Second High:	Feb 5	0.007	Jul 4	0.006	Dec 8	0.008
Third High:	Jun 19	0.007	Aug 18	0.005	Dec 5	0.008
Fourth High:	Feb 25	0.007	Sep 6	0.005	Nov 3	0.006
# Days Above Nat'l Standard:	0		0		0	
# Days Above State Standard:	0		0		0	
Annual Average:	0.002		0.002		0.002	
Year Coverage:	98		94		0	
	Go Backward One Year		New Top 4 Summary		Go Forward One Year	

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Switch:	Hourly Ozone	8-Hour Ozone	PM10	PM2.5	Carbon Monoxide	Nitrogen Dioxide	Hydrogen Sulfide
Go to:	Data Statistics Home Page			Top 4 Summaries Start Page			

Title : Los Angeles County Subarea 2005 Winter Default Title
 Version : Emfac2002 V2.2 Sept 23 2002
 Run Date : 07/12/05 15:09:38
 Scen Year : 2005 -- Model Years: 1965 to 2005
 Season : Winter
 Area : Los Angeles (SC)
 I/M Stat : I and M program in effect
 Emissions: Tons Per Day

	Light Duty Passenger Cars				Light Duty Trucks				Medium Duty Trucks				Heavy Duty Trucks			Urban Buses	Motorcycles	All Vehicles		
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Gasoline	Diesel	Total					
Vehicles	76659.	3339840.	16109.	3432610.	39008.	1433450.	15732.	1488190.	9009.	397805.	22762.	429576.	9716.	59158.	68874.	87113.	155987.	8089.	67461.	5581910.
VMT/1000	1338.	115609.	405.	117352.	1055.	49972.	543.	51570.	209.	14435.	1055.	15699.	100.	1374.	1474.	7476.	8950.	880.	466.	194918.
Trips	328425.	21006900.	91904.	21427200.	171573.	9042840.	98601.	9313020.	96876.	3841240.	224963.	4163080.	151470.	842009.	993479.	1342970.	2336450.	32355.	134909.	37407000.
Reactive Organic Gas Emissions																				
Run Exh	8.45	16.78	0.13	25.36	6.62	9.09	0.08	15.80	1.38	3.44	0.22	5.04	0.58	1.62	2.20	4.23	6.43	1.76	1.80	56.18
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.08	0.01	0.04	0.04	0.36	0.41	0.00	0.00	0.48
Start Ex	1.85	20.31	0.00	22.16	0.92	8.87	0.00	9.79	0.68	4.30	0.00	4.98	1.91	2.13	4.04	0.00	4.04	0.08	0.39	41.43
Total Ex	10.30	37.09	0.13	47.52	7.54	17.96	0.08	25.58	2.06	7.81	0.22	10.10	2.50	3.78	6.28	4.59	10.87	1.84	2.19	98.10
Diurnal	0.57	4.79	0.00	5.37	0.28	1.93	0.00	2.21	0.04	0.51	0.00	0.55	0.01	0.02	0.03	0.00	0.03	0.00	0.18	8.34
Hot Soak	1.44	5.78	0.00	7.22	0.76	2.41	0.00	3.17	0.17	0.86	0.00	1.02	0.11	0.14	0.25	0.00	0.25	0.01	0.15	11.81
Running	7.01	24.07	0.00	31.07	2.07	14.35	0.00	16.42	0.71	5.98	0.00	6.69	0.77	2.14	2.91	0.00	2.91	0.06	0.75	57.91
Resting	0.26	1.70	0.00	1.96	0.13	0.71	0.00	0.84	0.02	0.19	0.00	0.20	0.00	0.00	0.01	0.00	0.01	0.00	0.06	3.07
Total	19.58	73.43	0.13	93.14	10.79	37.36	0.08	48.23	2.99	15.35	0.22	18.56	3.39	6.09	9.47	4.59	14.06	1.91	3.34	179.23
Carbon Monoxide Emissions																				
Run Exh	103.17	491.05	0.36	594.57	80.48	301.50	0.37	382.34	22.57	82.31	0.78	105.66	17.87	34.28	52.15	20.23	72.38	14.43	23.43	1192.82
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.43	0.01	0.46	0.04	0.23	0.27	2.17	2.43	0.00	0.00	2.90
Start Ex	10.74	216.62	0.00	227.36	5.57	108.82	0.00	114.39	4.59	48.70	0.00	53.29	17.53	34.14	51.67	0.00	51.67	1.05	1.41	449.16
Total Ex	113.91	707.66	0.36	821.93	86.05	410.31	0.37	496.73	27.18	131.43	0.80	159.41	35.43	68.65	104.08	22.40	126.48	15.48	24.84	1644.88
Oxides of Nitrogen Emissions																				
Run Exh	7.14	60.58	0.66	68.38	5.45	43.60	0.84	49.89	1.39	17.98	6.20	25.56	0.66	9.90	10.56	137.69	148.25	15.03	0.75	307.86
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	6.65	6.66	0.00	0.00	6.70	
Start Ex	0.51	12.57	0.00	13.08	0.26	7.50	0.00	7.75	0.12	5.14	0.00	5.26	0.29	4.26	4.55	0.00	4.55	0.09	0.05	30.78
Total Ex	7.65	73.16	0.66	81.46	5.70	51.09	0.84	57.64	1.51	23.12	6.24	30.86	0.95	14.16	15.11	144.35	159.46	15.13	0.79	345.34
Carbon Dioxide Emissions (000)																				
Run Exh	0.73	47.04	0.16	47.93	0.58	24.58	0.21	25.37	0.13	9.78	0.55	10.46	0.06	0.88	0.95	16.17	17.12	1.86	0.06	102.80
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.01	0.34	0.35	0.00	0.00	0.36	
Start Ex	0.07	1.74	0.00	1.81	0.04	0.90	0.00	0.94	0.02	0.37	0.00	0.39	0.03	0.03	0.07	0.00	0.07	0.00	0.01	3.22
Total Ex	0.80	48.78	0.16	49.75	0.62	25.48	0.21	26.31	0.15	10.17	0.55	10.87	0.10	0.92	1.02	16.51	17.53	1.86	0.07	106.39
PM10 Emissions																				
Run Exh	0.05	1.46	0.08	1.59	0.04	1.00	0.04	1.08	0.01	0.32	0.06	0.39	0.00	0.01	0.01	2.42	2.44	0.23	0.02	5.74
Idle Exh	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	0.17	0.17	0.00	0.00	0.17	
Start Ex	0.00	0.16	0.00	0.17	0.00	0.10	0.00	0.10	0.00	0.04	0.00	0.04	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.31
Total Ex	0.05	1.62	0.08	1.75	0.04	1.10	0.04	1.18	0.01	0.36	0.06	0.43	0.00	0.01	0.02	2.59	2.61	0.23	0.02	6.22
TireWear	0.01	1.02	0.00	1.03	0.01	0.44	0.00	0.45	0.00	0.14	0.01	0.15	0.00	0.02	0.02	0.24	0.25	0.01	0.00	1.91
BrakeWr	0.02	1.60	0.01	1.62	0.01	0.69	0.01	0.71	0.00	0.20	0.01	0.22	0.00	0.02	0.02	0.10	0.12	0.01	0.01	2.70
Total	0.08	4.24	0.09	4.41	0.06	2.23	0.05	2.35	0.01	0.70	0.09	0.80	0.01	0.05	0.06	2.93	2.99	0.25	0.03	10.82
Lead	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	0.00	0.00	0.00	0.00
SOx	0.01	0.48	0.01	0.50	0.01	0.25	0.02	0.28	0.00	0.10	0.05	0.15	0.00	0.01	0.01	1.37	1.38	0.13	0.00	2.44
Fuel Consumption (000 gallons)																				
Gasoline	103.96	5120.95	0.00	5224.92	79.36	2681.37	0.00	2760.73	20.75	1065.03	0.00	1085.77	16.68	106.93	123.61	0.00	123.61	34.66	11.65	9241.35
Diesel	0.00	0.00	14.80	14.80	0.00	0.00	18.80	18.80	0.00	0.00	49.24	49.24	0.00	0.00	0.00	1486.02	1486.02	139.56	0.00	1708.41

Title : Los Angeles County Subarea 2008 Winter Default Title
 Version : Emfac2002 V2.2 Sept 23 2002
 Run Date : 07/12/05 15:09:38
 Scen Year : 2008 -- Model Years: 1965 to 2008
 Season : Winter
 Area : Los Angeles (SC)
 I/M Stat : I and M program in effect
 Emissions: Tons Per Day

	Light Duty Passenger Cars				Light Duty Trucks				Medium Duty Trucks				Heavy Duty Trucks			Diesel Total HD Trucks	Urban Buses	Motorcycles	All Vehicles	
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Total					
Vehicles	50765	3464040	11611	3526410	27401	1485420	13596	1526420	6468	411075	23181	440724	6231	61743	67975	92073	160048	8301	69138	5731040
VMT/1000	831	119123	276	120230	728	51111	454	52293	151	14626	1032	15810	62	1321	1383	7982	9365	903	495	199096
Trips	208782	21707900	63470	21980100	115257	9305340	84156	9504750	61568	3942780	233542	4237890	106475	814556	921030	1414840	2335870	33203	138262	38230100
Reactive Organic Gas Emissions																				
Run Exh	5.41	11.80	0.08	17.29	4.76	7.24	0.06	12.06	1.08	2.76	0.21	4.06	0.36	1.23	1.59	3.73	5.32	1.69	1.81	42.22
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.08	0.00	0.04	0.04	0.38	0.42	0.00	0.00	0.50
Start Ex	1.20	15.84	0.00	17.04	0.63	7.44	0.00	8.07	0.43	3.79	0.00	4.22	1.30	1.87	3.17	0.00	3.17	0.08	0.38	32.96
Total Ex	6.61	27.63	0.08	34.32	5.39	14.68	0.06	20.13	1.51	6.63	0.21	8.35	1.66	3.14	4.80	4.11	8.91	1.77	2.18	75.67
Diurnal	0.39	4.17	0.00	4.56	0.20	1.82	0.00	2.02	0.03	0.49	0.00	0.52	0.00	0.02	0.02	0.00	0.02	0.00	0.17	7.28
Hot Soak	0.91	5.17	0.00	6.07	0.51	2.30	0.00	2.81	0.11	0.80	0.00	0.90	0.08	0.12	0.19	0.00	0.19	0.01	0.10	10.10
Running	4.41	19.22	0.00	23.63	1.34	14.41	0.00	15.75	0.43	6.10	0.00	6.54	0.55	2.39	2.93	0.00	2.93	0.06	0.51	49.42
Resting	0.18	1.65	0.00	1.82	0.10	0.74	0.00	0.84	0.01	0.20	0.00	0.21	0.00	0.01	0.01	0.00	0.01	0.00	0.05	2.93
Total	12.49	57.84	0.08	70.41	7.54	33.95	0.06	41.56	2.09	14.22	0.21	16.52	2.29	5.67	7.96	4.11	12.07	1.84	3.01	145.41
Carbon Monoxide Emissions																				
Run Exh	64.11	385.88	0.24	450.24	55.83	255.50	0.30	311.63	17.20	70.81	0.80	88.81	11.07	26.22	37.29	17.94	55.23	13.64	22.34	941.89
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.43	0.01	0.46	0.03	0.22	0.25	2.28	2.53	0.00	0.00	2.99
Start Ex	6.86	174.73	0.00	181.59	3.78	93.56	0.00	97.34	2.94	42.30	0.00	45.23	12.09	30.19	42.28	0.00	42.28	1.03	1.45	368.91
Total Ex	70.97	560.61	0.24	631.82	59.60	349.06	0.30	408.97	20.14	113.55	0.81	134.50	23.19	56.63	79.83	20.21	100.04	14.67	23.79	1313.79
Oxides of Nitrogen Emissions																				
Run Exh	4.44	44.98	0.44	49.86	3.76	35.35	0.70	39.81	1.06	15.02	5.51	21.59	0.40	7.49	7.89	116.78	124.67	14.18	0.78	250.89
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.00	0.00	0.00	6.99	7.00	0.00	0.00	7.04
Start Ex	0.32	10.66	0.00	10.99	0.17	6.75	0.00	6.92	0.08	5.31	0.00	5.39	0.20	3.82	4.02	0.00	4.02	0.10	0.05	27.46
Total Ex	4.77	55.64	0.44	60.85	3.93	42.09	0.70	46.73	1.13	20.33	5.55	27.02	0.60	11.32	11.91	123.77	135.68	14.28	0.83	285.39
Carbon Dioxide Emissions (000)																				
Run Exh	0.45	47.83	0.11	48.39	0.40	25.19	0.17	25.76	0.10	9.89	0.54	10.52	0.04	0.85	0.89	17.37	18.26	1.87	0.07	104.87
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.01	0.01	0.36	0.36	0.00	0.00	0.38
Start Ex	0.05	1.77	0.00	1.81	0.03	0.93	0.00	0.95	0.01	0.38	0.00	0.40	0.02	0.03	0.06	0.00	0.06	0.00	0.01	3.23
Total Ex	0.50	49.60	0.11	50.21	0.42	26.11	0.17	26.71	0.11	10.29	0.54	10.94	0.06	0.89	0.96	17.72	18.68	1.87	0.08	108.48
PM10 Emissions																				
Run Exh	0.03	1.53	0.05	1.61	0.03	1.13	0.03	1.19	0.01	0.37	0.05	0.43	0.00	0.01	0.01	2.00	2.01	0.21	0.02	5.46
Idle Exh	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	0.15	0.15	0.00	0.00	0.15
Start Ex	0.00	0.16	0.00	0.17	0.00	0.11	0.00	0.11	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33
Total Ex	0.03	1.70	0.05	1.78	0.03	1.25	0.03	1.30	0.01	0.41	0.05	0.47	0.00	0.01	0.02	2.15	2.16	0.21	0.02	5.94
TireWear	0.01	1.05	0.00	1.06	0.01	0.45	0.00	0.46	0.00	0.14	0.01	0.15	0.00	0.02	0.02	0.25	0.27	0.01	0.00	1.96
BrakeWr	0.01	1.65	0.00	1.66	0.01	0.71	0.01	0.72	0.00	0.20	0.01	0.22	0.00	0.02	0.02	0.11	0.13	0.01	0.01	2.75
Total	0.05	4.40	0.05	4.50	0.04	2.40	0.04	2.49	0.01	0.75	0.08	0.84	0.00	0.05	0.05	2.51	2.56	0.23	0.03	10.65
Lead	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	0.00	0.00	0.00	0.00
SOx	0.01	0.49	0.00	0.49	0.01	0.26	0.00	0.26	0.00	0.10	0.01	0.11	0.00	0.01	0.01	0.17	0.18	0.02	0.00	1.06
Fuel Consumption (000 gallons)																				
Gasoline	64.80	5177.84	0.00	5242.64	54.85	2734.97	0.00	2789.82	15.05	1073.88	0.00	1088.92	10.88	101.35	112.23	0.00	112.23	36.30	12.38	9282.29
Diesel	0.00	0.00	10.01	10.01	0.00	0.00	15.66	15.66	0.00	0.00	48.41	48.41	0.00	0.00	0.00	1595.19	1595.19	138.28	0.00	1807.55

Title : Los Angeles County Subarea 2005 Winter Default Title
 Version : Emfac2002 V2.2 Sept 23 2002
 Run Date : 07/12/05 15:09:38
 Scen Year: 2005 -- Model Years: 1965 to 2005
 Season : Winter
 Area : Los Angeles (SC)

Year:2005 -- Model Years 1965 to 2005 Inclusive -- Winter
 Emfac2002 Emission Factors: V2.2 Sept 23 2002

Los Angeles (SC) Los Angeles (SC) Los Angeles (SC)

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	1.042	1.333	1.488	2.999	6.619	5.571	1.283
20	0.302	0.411	0.458	1.231	2.280	3.087	0.402

Pollutant Name: Carbon Monoxide Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	9.872	15.132	14.840	31.771	51.966	42.534	12.962
20	5.829	8.255	7.543	11.290	17.540	27.466	6.973

Pollutant Name: Oxides of Nitrogen Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	0.889	1.461	2.233	19.315	27.627	1.093	2.127
20	0.581	0.941	1.464	12.660	15.307	1.235	1.378

Pollutant Name: Carbon Dioxide Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	1108.748	1329.559	1861.590	2053.311	2683.863	222.987	1277.563
20	473.973	569.595	782.423	1783.155	1975.417	145.923	591.261

Pollutant Name: Sulfur Dioxide Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	0.011	0.013	0.020	0.140	0.144	0.003	0.019
20	0.005	0.006	0.010	0.137	0.136	0.002	0.012

Pollutant Name: PM10 Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	0.066	0.099	0.112	0.824	0.680	0.067	0.116
20	0.019	0.029	0.036	0.424	0.285	0.038	0.043

Pollutant Name: PM10 - Tire Wear Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	0.008	0.008	0.009	0.026	0.010	0.004	0.009
20	0.008	0.008	0.009	0.026	0.010	0.004	0.009

Pollutant Name: PM10 - Break Wear Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	0.013	0.013	0.013	0.013	0.013	0.013	0.013
20	0.013	0.013	0.013	0.013	0.013	0.013	0.013

Pollutant Name: Gasoline - mi/gal Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	7.841	6.470	4.493	3.209	3.261	27.274	7.195
20	18.299	15.102	10.810	9.255	9.409	42.457	16.783

Pollutant Name: Diesel - mi/gal Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	27.382	28.890	22.409	5.284	3.583	0.000	9.192
20	27.382	28.890	22.409	5.284	3.583	0.000	9.192

Title : Los Angeles County Subarea 2008 Winter Default Title
 Version : Emfac2002 V2.2 Sept 23 2002
 Run Date : 07/12/05 15:09:38
 Scen Year: 2008 -- Model Years: 1965 to 2008
 Season : Winter
 Area : Los Angeles (SC)

 Year:2008 -- Model Years 1965 to 2008 Inclusive -- Winter
 Emfac2002 Emission Factors: V2.2 Sept 23 2002

Los Angeles (SC) Los Angeles (SC) Los Angeles (SC)

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	0.752	1.042	1.201	2.282	6.195	5.399	0.982
20	0.214	0.316	0.365	0.959	2.131	2.950	0.307

Pollutant Name: Carbon Monoxide Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	7.599	12.200	11.992	23.118	47.847	38.841	10.252
20	4.602	6.794	6.309	8.245	16.152	25.223	5.627

Pollutant Name: Oxides of Nitrogen Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	0.673	1.174	1.883	15.597	25.264	1.125	1.767
20	0.442	0.759	1.231	10.188	14.056	1.231	1.144

Pollutant Name: Carbon Dioxide Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	1095.957	1332.637	1857.640	2053.729	2658.937	232.564	1276.217
20	468.293	570.565	781.057	1811.497	1930.809	151.357	594.756

Pollutant Name: Sulfur Dioxide Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	0.011	0.013	0.018	0.020	0.026	0.003	0.012
20	0.005	0.006	0.008	0.017	0.019	0.002	0.006

Pollutant Name: PM10 Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	0.070	0.113	0.126	0.647	0.610	0.061	0.117
20	0.020	0.032	0.039	0.333	0.254	0.034	0.041

Pollutant Name: PM10 - Tire Wear Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	0.008	0.008	0.009	0.026	0.010	0.004	0.009
20	0.008	0.008	0.009	0.026	0.010	0.004	0.009

Pollutant Name: PM10 - Break Wear Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	0.013	0.013	0.013	0.013	0.013	0.013	0.013
20	0.013	0.013	0.013	0.013	0.013	0.013	0.013

Pollutant Name: Gasoline - mi/gal Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	7.967	6.490	4.525	3.279	3.285	27.028	7.270
20	18.601	15.155	10.877	9.452	9.477	42.233	16.962

Pollutant Name: Diesel - mi/gal Temperature: 62F Relative Humidity: 40%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	27.539	28.960	22.229	5.250	3.632	0.000	8.531
20	27.539	28.960	22.229	5.250	3.632	0.000	8.531

JOB: C:\sa_temp\CAL3QHC Runs\Bellevue Recreat RUN: Hoover St & Lucile Ave/Existing 2005
 DATE : 7/14/ 5
 TIME : 8:36:22

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 108. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 6.4 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)	(G/MI)	(FT)	(FT)	(VEH)	
1. NBA	*	506.0	.0	506.0	500.0	*	500.	360. AG	701.	7.0	.0	32.0	
2. NBD	*	506.0	500.0	506.0	1000.0	*	500.	360. AG	583.	7.0	.0	32.0	
3. SBA	*	488.0	1000.0	488.0	500.0	*	500.	180. AG	574.	7.0	.0	44.0	
4. SBD	*	488.0	500.0	488.0	.0	*	500.	180. AG	637.	7.0	.0	44.0	
5. EBD	*	500.0	494.0	1000.0	494.0	*	500.	90. AG	131.	7.0	.0	32.0	
6. WBA	*	1000.0	506.0	500.0	506.0	*	500.	270. AG	75.	7.0	.0	32.0	
7. WBQ	*	512.0	506.0	1066.3	506.0	*	554.	90. AG	94. 100.0	.0	12.0	2.68 28.2	

JOB: C:\sa_temp\CAL3QHC Runs\Bellevue Recreat RUN: Hoover St & Lucile Ave/Existing 2005
 DATE : 7/14/ 5
 TIME : 8:36:22

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)		
7. WBQ	*	60	54	3.0	75	1700	38.89	3	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)				*
	*	X	Y	Z	*	
1. NW	*	456.0	532.0	5.0	*	
2. NE	*	532.0	532.0	5.0	*	
3. SW	*	456.0	468.0	5.0	*	
4. SE	*	532.0	468.0	5.0	*	

JOB: C:\sa_temp\CAL3QHC Runs\Bellevue Recreat RUN: Hoover St & Lucile Ave/Existing 2005

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.	*	6.5	6.7	6.7	6.9
10.	*	6.9	6.4	6.9	6.6
20.	*	6.8	6.4	6.8	6.6
30.	*	6.7	6.4	6.7	6.6
40.	*	6.7	6.4	6.7	6.6
50.	*	6.6	6.4	6.8	6.7
60.	*	6.6	6.4	6.8	6.7
70.	*	6.6	6.4	7.0	6.9
80.	*	6.6	6.4	7.2	6.9
90.	*	6.9	6.7	6.8	6.6
100.	*	7.3	7.1	6.6	6.4
110.	*	6.9	6.8	6.6	6.4
120.	*	6.7	6.8	6.6	6.4
130.	*	6.7	6.7	6.7	6.4
140.	*	6.7	6.7	6.7	6.4
150.	*	6.9	6.6	6.8	6.4
160.	*	6.8	6.6	6.9	6.4
170.	*	6.9	6.6	6.9	6.4
180.	*	6.7	6.9	6.7	6.7
190.	*	6.4	7.2	6.4	7.0
200.	*	6.4	7.1	6.4	6.9

210.	*	6.4	7.1	6.4	6.8
220.	*	6.4	6.8	6.4	6.8
230.	*	6.4	6.7	6.4	6.7
240.	*	6.4	6.6	6.4	6.7
250.	*	6.4	6.6	6.4	6.7
260.	*	6.4	6.6	6.4	6.6
270.	*	6.4	6.6	6.4	6.7
280.	*	6.4	6.6	6.4	6.6
290.	*	6.4	6.6	6.4	6.7
300.	*	6.4	6.6	6.4	6.7
310.	*	6.4	6.7	6.4	6.7
320.	*	6.4	6.7	6.4	6.7
330.	*	6.4	6.8	6.4	6.8
340.	*	6.4	6.8	6.4	7.0
350.	*	6.4	6.9	6.4	7.1
360.	*	6.5	6.7	6.7	6.9
-----*					
MAX	*	7.3	7.2	7.2	7.1
DEGR.	*	100	190	80	350

THE HIGHEST CONCENTRATION OF 7.29 PPM OCCURRED AT RECEPTOR REC1 .

JOB: C:\sa_temp\CAL3QHC Runs\Bellevue Recreat RUN: Hoover St & Lucile Ave/No Project 2008
 DATE : 7/14/ 5
 TIME : 8:37:56

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 108. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 5.3 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (FT)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C QUEUE
	*	X1	Y1	X2	Y2	*	(FT)	(DEG)	(G/MI)	(FT)	(FT)	(VEH)	
1. NBA	*	506.0	.0	506.0	500.0	*	500.	360. AG	754.	5.6	.0	32.0	
2. NBD	*	506.0	500.0	506.0	1000.0	*	500.	360. AG	636.	5.6	.0	32.0	
3. SBA	*	488.0	1000.0	488.0	500.0	*	500.	180. AG	627.	5.6	.0	44.0	
4. SBD	*	488.0	500.0	488.0	.0	*	500.	180. AG	690.	5.6	.0	44.0	
5. EBD	*	500.0	494.0	1000.0	494.0	*	500.	90. AG	131.	5.6	.0	32.0	
6. WBA	*	1000.0	506.0	500.0	506.0	*	500.	270. AG	75.	5.6	.0	32.0	
7. WBQ	*	512.0	506.0	1066.3	506.0	*	554.	90. AG	74. 100.0	.0	12.0	2.68 28.2	

JOB: C:\sa_temp\CAL3QHC Runs\Bellevue Recreat RUN: Hoover St & Lucile Ave/No Project 2008
 DATE : 7/14/ 5
 TIME : 8:37:56

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)		
7. WBQ	*	60	54	3.0	75	1700	30.76	3	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT)				*
	*	X	Y	Z	*	
1. NW	*	456.0	532.0	5.0	*	
2. NE	*	532.0	532.0	5.0	*	
3. SW	*	456.0	468.0	5.0	*	
4. SE	*	532.0	468.0	5.0	*	

JOB: C:\sa_temp\CAL3QHC Runs\Bellevue Recreat RUN: Hoover St & Lucile Ave/No Project 2008

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.	* 5.4	5.5	5.5	5.8	
10.	* 5.8	5.3	5.8	5.5	
20.	* 5.7	5.3	5.7	5.5	
30.	* 5.6	5.3	5.5	5.5	
40.	* 5.5	5.3	5.6	5.5	
50.	* 5.5	5.3	5.6	5.5	
60.	* 5.5	5.3	5.7	5.5	
70.	* 5.5	5.3	5.8	5.6	
80.	* 5.5	5.3	6.0	5.8	
90.	* 5.8	5.5	5.7	5.4	
100.	* 6.0	5.8	5.5	5.3	
110.	* 5.8	5.6	5.5	5.3	
120.	* 5.6	5.6	5.5	5.3	
130.	* 5.6	5.5	5.5	5.3	
140.	* 5.6	5.5	5.6	5.3	
150.	* 5.5	5.5	5.6	5.3	
160.	* 5.7	5.5	5.7	5.3	
170.	* 5.8	5.5	5.8	5.3	
180.	* 5.5	5.8	5.5	5.6	
190.	* 5.3	6.0	5.3	5.8	
200.	* 5.3	5.9	5.3	5.8	

210.	*	5.3	5.8	5.3	5.7
220.	*	5.3	5.7	5.3	5.6
230.	*	5.3	5.5	5.3	5.6
240.	*	5.3	5.5	5.3	5.5
250.	*	5.3	5.5	5.3	5.5
260.	*	5.3	5.5	5.3	5.5
270.	*	5.3	5.5	5.3	5.5
280.	*	5.3	5.5	5.3	5.5
290.	*	5.3	5.5	5.3	5.5
300.	*	5.3	5.5	5.3	5.5
310.	*	5.3	5.5	5.3	5.6
320.	*	5.3	5.6	5.3	5.6
330.	*	5.3	5.6	5.3	5.7
340.	*	5.3	5.7	5.3	5.8
350.	*	5.3	5.8	5.3	6.0
360.	*	5.4	5.5	5.5	5.8
-----*					
MAX	*	6.0	6.0	6.0	6.0
DEGR.	*	100	190	80	350

THE HIGHEST CONCENTRATION OF 5.96 PPM OCCURRED AT RECEPTOR REC3 .

JOB: C:\sa_temp\CAL3QHC Runs\Bellevue Recreat RUN: Hoover St & Lucile Ave/Project 2008
 DATE : 7/14/ 5
 TIME : 8:39:26

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 108. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 5.3 PPM

LINK VARIABLES

LINK DESCRIPTION	*	X1	Y1	X2	Y2	*	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C QUEUE (VEH)
1. NBA	*	506.0	.0	506.0	500.0	*	500.	360. AG	759.	5.6	.0	32.0	
2. NBD	*	506.0	500.0	506.0	1000.0	*	500.	360. AG	636.	5.6	.0	32.0	
3. SBA	*	488.0	1000.0	488.0	500.0	*	500.	180. AG	630.	5.6	.0	44.0	
4. SBD	*	488.0	500.0	488.0	.0	*	500.	180. AG	691.	5.6	.0	44.0	
5. EBD	*	500.0	494.0	1000.0	494.0	*	500.	90. AG	139.	5.6	.0	32.0	
6. WBA	*	1000.0	506.0	500.0	506.0	*	500.	270. AG	76.	5.6	.0	32.0	
7. WBQ	*	512.0	506.0	1077.4	506.0	*	565.	90. AG	74.	100.0	.0	12.0	2.71 28.7

JOB: C:\sa_temp\CAL3QHC Runs\Bellevue Recreat RUN: Hoover St & Lucile Ave/Project 2008
 DATE : 7/14/ 5
 TIME : 8:39:26

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
7. WBQ	*	60	54	3.0	76	1700	30.76	3	3

RECEPTOR LOCATIONS

RECEPTOR	*	X	Y	Z	*
1. NW	*	456.0	532.0	5.0	*
2. NE	*	532.0	532.0	5.0	*
3. SW	*	456.0	468.0	5.0	*
4. SE	*	532.0	468.0	5.0	*

JOB: C:\sa_temp\CAL3QHC Runs\Bellevue Recreat RUN: Hoover St & Lucile Ave/Project 2008

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.	*	5.4	5.5	5.5	5.8
10.	*	5.8	5.3	5.8	5.5
20.	*	5.7	5.3	5.7	5.5
30.	*	5.6	5.3	5.5	5.5
40.	*	5.5	5.3	5.6	5.5
50.	*	5.5	5.3	5.6	5.5
60.	*	5.5	5.3	5.7	5.5
70.	*	5.5	5.3	5.8	5.6
80.	*	5.5	5.3	6.0	5.8
90.	*	5.8	5.5	5.7	5.4
100.	*	6.0	5.8	5.5	5.3
110.	*	5.8	5.6	5.5	5.3
120.	*	5.6	5.6	5.5	5.3
130.	*	5.6	5.5	5.5	5.3
140.	*	5.6	5.5	5.6	5.3
150.	*	5.5	5.5	5.7	5.3
160.	*	5.7	5.5	5.7	5.3
170.	*	5.8	5.5	5.8	5.3
180.	*	5.5	5.8	5.5	5.6
190.	*	5.3	6.0	5.3	5.8
200.	*	5.3	5.9	5.3	5.8

210.	*	5.3	5.8	5.3	5.7
220.	*	5.3	5.7	5.3	5.6
230.	*	5.3	5.5	5.3	5.6
240.	*	5.3	5.5	5.3	5.5
250.	*	5.3	5.5	5.3	5.5
260.	*	5.3	5.5	5.3	5.5
270.	*	5.3	5.5	5.3	5.5
280.	*	5.3	5.5	5.3	5.5
290.	*	5.3	5.5	5.3	5.5
300.	*	5.3	5.5	5.3	5.5
310.	*	5.3	5.5	5.3	5.6
320.	*	5.3	5.6	5.3	5.6
330.	*	5.3	5.6	5.3	5.7
340.	*	5.3	5.7	5.3	5.8
350.	*	5.3	5.8	5.3	6.0
360.	*	5.4	5.5	5.5	5.8
-----*					
MAX	*	6.0	6.0	6.0	6.0
DEGR.	*	100	190	80	350

THE HIGHEST CONCENTRATION OF 5.96 PPM OCCURRED AT RECEPTOR REC3 .