Appendix B

EMFAC 2007 & CAL3QHC Output Files

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Title : Beverly Hills - 2006
Version : Emfac2002 V2.2 Apr 23 2003
Run Date : 06/07/06 14:03:24
Scen Year: 2006 -- Model Years: 1965 to 2006
Season : Annual
Area : Los Angeles County
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Year:2006 -- Model Years 1965 to 2006 Inclusive -- Annual
Emfac2002 Emission Factors: V2.2 Apr 23 2003

County Average Los Angeles Count County Average

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Carbon Monoxide Temperature: 60F Relative Humidity: 50%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	9.225	14.296	13.849	29.438	51.620	43.140	12.213
20	5.478	7.824	7.111	10.467	17.445	27.857	6.596

Title : Beverly Hills - 2006
Version : Emfac2002 V2.2 Apr 23 2003
Run Date : 06/07/06 14:14:33
Scen Year: 2006 -- Model Years: 1965 to 2006
Season : Annual
Area : Los Angeles County Average
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: Gasoline Trucks			Heavy Duty Trucks: Diesel Trucks	Heavy Duty Trucks: Total HD Trucks	Urban Buses	Motor-cycles	All Vehicles
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Total					
Vehicles	70391.	3495760.	14925.	3581070.	37153.	1518710.	16050.	1571910.	8428.	416140.	23805.	448374.	9035.	63991.	73026.	90603.	163629.	8265.	73546.	5846790.
VMT/1000	1207.	121271.	370.	122848.	1005.	53007.	551.	54564.	197.	15082.	1103.	16382.	93.	1425.	1517.	7766.	9283.	901.	519.	204496.
Trips	297043.	21962700.	84091.	22343900.	160629.	9559340.	100192.	9820160.	86619.	4018990.	237610.	4343220.	138883.	853898.	992781.	1391240.	2384020.	33058.	147077.	39071400.
Total Organic Gas Emissions																				
Run Exh	8.24	21.80	0.13	30.17	6.81	11.99	0.09	18.89	1.42	4.40	0.27	6.08	0.57	1.80	2.37	4.77	7.14	1.96	2.08	66.33
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.08	0.01	0.04	0.05	0.43	0.47	0.00	0.00	0.56
Start Ex	1.80	20.23	0.00	22.02	0.92	9.14	0.00	10.07	0.64	4.45	0.00	5.09	1.83	2.21	4.04	0.00	4.04	0.08	0.44	41.74
Total Ex	10.03	42.02	0.13	52.19	7.74	21.13	0.09	28.96	2.06	8.93	0.27	11.26	2.41	4.05	6.46	5.20	11.66	2.04	2.52	108.63
Diurnal	0.47	4.29	0.00	4.76	0.24	1.79	0.00	2.04	0.03	0.47	0.00	0.50	0.01	0.02	0.02	0.00	0.02	0.00	0.17	7.48
Hot Soak	0.89	3.46	0.00	4.36	0.49	1.49	0.00	1.98	0.10	0.53	0.00	0.64	0.07	0.09	0.16	0.00	0.16	0.01	0.09	7.24
Running	5.56	19.15	0.00	24.70	1.70	12.43	0.00	14.13	0.57	5.34	0.00	5.90	0.66	2.18	2.85	0.00	2.85	0.05	0.62	48.26
Resting	0.29	2.01	0.00	2.30	0.15	0.87	0.00	1.02	0.02	0.23	0.00	0.25	0.00	0.00	0.01	0.00	0.01	0.00	0.08	3.66
Total	17.24	70.93	0.13	88.31	10.32	37.72	0.09	48.13	2.78	15.50	0.27	18.55	3.15	6.35	9.50	5.20	14.70	2.10	3.49	175.27
Carbon Monoxide Emissions																				
Run Exh	91.57	487.68	0.33	579.57	74.95	307.93	0.37	383.25	20.99	83.19	0.85	105.02	15.78	33.14	48.92	20.00	68.92	14.55	24.32	1175.63
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.45	0.01	0.48	0.04	0.23	0.27	2.24	2.51	0.00	0.00	2.99
Start Ex	9.65	201.60	0.00	211.25	5.19	104.70	0.00	109.89	4.09	46.33	0.00	50.43	15.82	33.04	48.86	0.00	48.86	1.05	1.51	422.98
Total Ex	101.22	689.28	0.33	790.83	80.14	412.63	0.37	493.14	25.09	129.98	0.86	155.93	31.63	66.41	98.04	22.25	120.29	15.60	25.82	1601.60
Oxides of Nitrogen Emissions																				
Run Exh	5.75	50.82	0.55	57.12	4.62	38.01	0.79	43.42	1.18	15.69	5.95	22.82	0.52	8.34	8.85	125.43	134.29	13.74	0.74	272.12
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	6.88	6.89	0.00	0.00	6.93
Start Ex	0.46	12.19	0.00	12.64	0.24	7.47	0.00	7.71	0.10	5.36	0.00	5.47	0.26	4.23	4.49	0.00	4.49	0.10	0.05	30.46
Total Ex	6.20	63.01	0.55	69.76	4.86	45.48	0.79	51.12	1.28	21.06	5.99	28.33	0.78	12.57	13.35	132.32	145.66	13.84	0.79	309.51
Carbon Dioxide Emissions (000)																				
Run Exh	0.66	50.18	0.15	51.00	0.55	26.60	0.21	27.36	0.12	10.38	0.57	11.08	0.06	0.91	0.97	16.82	17.79	1.88	0.07	109.17
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	0.35	0.36	0.00	0.00	0.38
Start Ex	0.07	1.81	0.00	1.87	0.04	0.95	0.00	0.99	0.02	0.39	0.00	0.41	0.03	0.03	0.07	0.00	0.07	0.00	0.01	3.35
Total Ex	0.73	51.99	0.15	52.87	0.59	27.55	0.21	28.35	0.14	10.79	0.57	11.50	0.09	0.95	1.04	17.17	18.21	1.88	0.08	112.89
PM10 Emissions																				
Run Exh	0.04	1.56	0.07	1.67	0.04	1.10	0.04	1.18	0.01	0.36	0.06	0.42	0.00	0.01	0.01	2.40	2.41	0.22	0.02	5.93
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	0.16	0.16	0.00	0.00	0.16
Start Ex	0.00	0.17	0.00	0.17	0.00	0.11	0.00	0.11	0.00	0.04	0.00	0.04	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.33
Total Ex	0.05	1.72	0.07	1.84	0.04	1.21	0.04	1.29	0.01	0.39	0.06	0.46	0.00	0.02	0.02	2.56	2.58	0.22	0.03	6.42
TireWear	0.01	1.07	0.00	1.08	0.01	0.47	0.00	0.48	0.00	0.14	0.01	0.16	0.00	0.02	0.02	0.25	0.27	0.01	0.00	2.00
BrakeWr	0.02	1.68	0.01	1.70	0.01	0.73	0.01	0.75	0.00	0.21	0.02	0.23	0.00	0.02	0.02	0.11	0.13	0.01	0.01	2.83
Total	0.07	4.47	0.08	4.62	0.06	2.41	0.05	2.52	0.01	0.75	0.09	0.85	0.01	0.05	0.06	2.92	2.98	0.24	0.04	11.25
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	0.51	0.01	0.53	0.01	0.27	0.02	0.30	0.00	0.11	0.05	0.16	0.00	0.01	0.01	1.42	1.43	0.13	0.00	2.55
Fuel Consumption (000 gallons)																				
Gasoline	94.08	5446.35	0.00	5540.43	75.37	2893.25	0.00	2968.63	19.45	1127.83	0.00	1147.29	15.16	109.46	124.62	0.00	124.62	36.22	12.69	9829.88
Diesel	0.00	0.00	13.47	13.47	0.00	0.00	19.05	19.05	0.00	0.00	51.65	51.65	0.00	0.00	0.00	1544.98	1544.98	139.47	0.00	1768.61

Title : Beverly Hills - 2008
Version : Emfac2002 V2.2 Apr 23 2003
Run Date : 06/07/06 14:05:45
Scen Year: 2008 -- Model Years: 1965 to 2008
Season : Annual
Area : Los Angeles County

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Year:2008 -- Model Years 1965 to 2008 Inclusive -- Annual
Emfac2002 Emission Factors: V2.2 Apr 23 2003

County Average Los Angeles Count County Average

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Carbon Monoxide Temperature: 60F Relative Humidity: 50%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
3	7.630	12.335	12.062	23.572	48.516	39.807	10.340
20	4.610	6.845	6.332	8.402	16.385	25.844	5.662

Title : Beverly Hills - 2008
Version : Emfac2002 V2.2 Apr 23 2003
Run Date : 06/07/06 14:15:36
Scen Year: 2008 -- Model Years: 1965 to 2008
Season : Annual
Area : Los Angeles County Average
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: Gasoline Trucks			Heavy Duty Trucks: Diesel Trucks	Heavy Duty Trucks: Total HD Trucks	Urban Buses	Motor-cycles	All Vehicles
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Total					
Vehicles	52763.	3592610.	11917.	3657290.	29121.	1561750.	14597.	1605460.	6749.	426689.	24144.	457583.	6593.	66189.	72782.	94233.	167015.	8428.	75165.	5970550.
VMT/1000	868.	124222.	284.	125374.	779.	54082.	490.	55351.	159.	15270.	1085.	16513.	66.	1399.	1465.	8160.	9626.	919.	541.	208324.
Trips	216974.	22519300.	65153.	22801400.	122434.	9784710.	90304.	9997450.	64057.	4103020.	243890.	4410970.	109345.	835768.	945112.	1442880.	2388000.	33710.	150315.	39781800.
Total Organic Gas Emissions																				
Run Exh	6.00	17.66	0.10	23.76	5.38	10.53	0.07	15.98	1.20	3.89	0.26	5.35	0.40	1.51	1.91	4.37	6.28	1.90	2.07	55.35
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.08	0.00	0.04	0.04	0.44	0.49	0.00	0.00	0.57
Start Ex	1.32	17.10	0.00	18.42	0.71	8.16	0.00	8.87	0.47	4.11	0.00	4.58	1.42	2.03	3.44	0.00	3.44	0.08	0.43	35.83
Total Ex	7.32	34.76	0.10	42.18	6.09	18.69	0.07	24.86	1.67	8.07	0.26	10.01	1.83	3.58	5.40	4.81	10.21	1.99	2.50	91.74
Diurnal	0.36	3.99	0.00	4.35	0.20	1.77	0.00	1.96	0.02	0.47	0.00	0.49	0.00	0.02	0.02	0.00	0.02	0.00	0.16	6.99
Hot Soak	0.65	3.22	0.00	3.87	0.37	1.46	0.00	1.83	0.08	0.51	0.00	0.59	0.05	0.08	0.14	0.00	0.14	0.01	0.07	6.50
Running	4.03	16.54	0.00	20.57	1.26	12.43	0.00	13.69	0.41	5.41	0.00	5.82	0.53	2.32	2.85	0.00	2.85	0.05	0.48	43.46
Resting	0.22	1.95	0.00	2.17	0.12	0.90	0.00	1.02	0.01	0.24	0.00	0.25	0.00	0.00	0.01	0.00	0.01	0.00	0.07	3.51
Total	12.58	60.46	0.10	73.14	8.05	35.24	0.07	43.36	2.20	14.70	0.26	17.16	2.41	6.00	8.41	4.81	13.22	2.05	3.29	152.21
Carbon Monoxide Emissions																				
Run Exh	65.72	417.04	0.25	483.01	58.23	278.11	0.32	336.66	17.64	75.86	0.85	94.34	11.37	27.74	39.11	18.40	57.50	13.94	23.03	1008.48
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.45	0.01	0.48	0.03	0.23	0.26	2.32	2.58	0.00	0.00	3.06
Start Ex	7.06	174.89	0.00	181.95	3.98	95.10	0.00	99.08	3.05	42.39	0.00	45.44	12.36	30.36	42.72	0.00	42.72	1.03	1.55	371.77
Total Ex	72.78	591.93	0.25	664.96	62.20	373.21	0.32	435.74	20.69	118.70	0.86	140.26	23.75	58.34	82.09	20.72	102.81	14.96	24.58	1383.31
Oxides of Nitrogen Emissions																				
Run Exh	4.13	41.83	0.42	46.38	3.58	33.31	0.70	37.59	0.99	13.96	5.37	20.32	0.37	6.91	7.28	111.03	118.31	13.41	0.76	236.77
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	7.13	7.14	0.00	0.00	7.19
Start Ex	0.33	10.89	0.00	11.22	0.18	6.98	0.00	7.16	0.08	5.47	0.00	5.55	0.20	3.92	4.12	0.00	4.12	0.10	0.05	28.20
Total Ex	4.47	52.72	0.42	57.61	3.77	40.29	0.70	44.75	1.07	19.44	5.42	25.92	0.57	10.83	11.40	118.16	129.56	13.51	0.81	272.16
Carbon Dioxide Emissions (000)																				
Run Exh	0.48	51.01	0.11	51.60	0.43	27.19	0.19	27.80	0.10	10.50	0.56	11.17	0.04	0.90	0.94	17.75	18.69	1.90	0.07	111.23
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.01	0.01	0.36	0.37	0.00	0.00	0.39
Start Ex	0.05	1.83	0.00	1.88	0.03	0.97	0.00	1.00	0.01	0.40	0.00	0.41	0.02	0.03	0.06	0.00	0.06	0.00	0.01	3.36
Total Ex	0.53	52.84	0.11	53.48	0.46	28.16	0.19	28.80	0.12	10.92	0.57	11.60	0.07	0.94	1.01	18.11	19.11	1.90	0.08	114.98
PM10 Emissions																				
Run Exh	0.03	1.61	0.05	1.69	0.03	1.20	0.03	1.26	0.01	0.39	0.05	0.45	0.00	0.01	0.01	2.06	2.07	0.21	0.02	5.70
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	0.17	0.00	0.17	0.00	0.12	0.00	0.12	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34
Total Ex	0.03	1.78	0.05	1.86	0.03	1.32	0.03	1.38	0.01	0.43	0.06	0.49	0.00	0.01	0.02	2.21	2.22	0.21	0.03	6.20
TireWear	0.01	1.10	0.00	1.11	0.01	0.48	0.00	0.49	0.00	0.15	0.01	0.16	0.00	0.02	0.02	0.26	0.28	0.01	0.00	2.05
BrakeWr	0.01	1.72	0.00	1.73	0.01	0.75	0.01	0.77	0.00	0.21	0.01	0.23	0.00	0.02	0.02	0.11	0.13	0.01	0.01	2.88
Total	0.05	4.59	0.06	4.70	0.05	2.54	0.04	2.64	0.01	0.79	0.08	0.88	0.00	0.05	0.06	2.58	2.64	0.23	0.04	11.12
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	0.52	0.00	0.52	0.01	0.28	0.00	0.28	0.00	0.11	0.01	0.11	0.00	0.01	0.01	0.17	0.18	0.02	0.00	1.13
Fuel Consumption (000 gallons)																				
Gasoline	67.76	5515.48	0.00	5583.24	58.46	2948.60	0.00	3007.05	15.73	1139.14	0.00	1154.87	11.31	106.51	117.82	0.00	117.82	36.98	13.26	9913.23
Diesel	0.00	0.00	10.31	10.31	0.00	0.00	16.92	16.92	0.00	0.00	50.93	50.93	0.00	0.00	0.00	1629.77	1629.77	140.45	0.00	1848.38

8767 Wilshire - Weekday

Projected Background 1-Hour CO Concentrations (ppm)

Monitoring Station:

Year	1-Hr Concentration
2006	5
2008	4.4

Intersection and Receptor Locations	Existing		Future No Project			Future With Project		
	Traffic CO Contribution [a]	Estimated Local CO Concentration [b]	Traffic CO Contribution [a]	Estimated Local CO Concentration [b]	Exceedance of Significance Threshold [c]	Traffic CO Contribution [a]	Estimated Local CO Concentration [b]	Exceedance of Significance Threshold [c]
La Peer and Wilshire - AM	2.1	7.1	2.3	6.7	NO	2.3	6.7	NO
Robertson and Wilshire - AM	2.5	7.5	2.6	7.0	NO	2.7	7.1	NO
Robertson and Clifton - PM	1.3	6.3	1.3	5.7	NO	1.5	5.9	NO

a The 1-hour traffic contribution (ppm) is determined by inputing total traffic volumes into the CAL3QHC model.

b The estimated local concentration is the traffic contribution + the background concentration.

c The California Ambient Air Quality Standard for 1-hour CO concentrations is 20 ppm.

8767 Wilshire - Weekday

Projected Background 8-Hour CO Concentrations (ppm)

Year	8-Hr Concentration
2006	2.7
2008	2.4

Average Persistence Factor = 0.70

Intersection and Receptor Locations	Existing		Future No Project			Future With Project		
	Traffic CO Contribution [a]	Estimated Local CO Concentration [b]	Traffic CO Contribution [a]	Estimated Local CO Concentration [b]	Exceedance of Significance Threshold [c]	Traffic CO Contribution [a]	Estimated Local CO Concentration [b]	Exceedance of Significance Threshold [c]
La Peer and Wilshire - AM	1.5	4.2	1.6	4.0	NO	1.6	4.0	NO
Robertson and Wilshire - AM	1.8	4.5	1.8	4.2	NO	1.9	4.3	NO
Robertson and Clifton - PM	0.9	3.6	0.9	3.3	NO	1.1	3.5	NO

a The persistence factor is calculated as recommended in Table B.15 in the Transportation Project-Level Carbon Monoxide Protocol (Institute of Transportation Studies, UC Davis, Revised 1997). This is a generalized persistence factor likely to provide a conservative estimate in most situations.

b The estimated local concentration is the traffic contribution + the background concentration.

c The California Ambient Air Quality Standard for 8-hour CO concentrations is 9 ppm.

JOB: Wilshire and La Peer - Existing RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 10:10:43

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	512.0	.0	512.0	500.0	500.	360.	AG	255.	6.6	.0	44.0		
2. NBD	512.0	500.0	512.0	1000.0	500.	360.	AG	170.	6.6	.0	44.0		
3. NBQ	512.0	452.0	512.0	404.3	48.	180.	AG	161.	100.0	.0	24.0	.80	2.4
4. SBA	488.0	1000.0	488.0	500.0	500.	180.	AG	320.	6.6	.0	44.0		
5. SBD	488.0	500.0	488.0	.0	500.	180.	AG	250.	6.6	.0	44.0		
6. SBQ	488.0	548.0	488.0	662.9	115.	360.	AG	161.	100.0	.0	24.0	1.01	5.8
7. EBA	.0	476.0	500.0	476.0	500.	90.	AG	1380.	6.6	.0	68.0		
8. EBD	500.0	476.0	1000.0	476.0	500.	90.	AG	1455.	6.6	.0	68.0		
9. EBQ	476.0	476.0	460.9	476.0	15.	270.	AG	52.	100.0	.0	48.0	.28	.8
10. WBA	1000.0	524.0	500.0	524.0	500.	270.	AG	2045.	6.6	.0	68.0		
11. WBD	500.0	524.0	.0	524.0	500.	270.	AG	2125.	6.6	.0	68.0		
12. WBQ	524.0	524.0	581.4	524.0	57.	90.	AG	52.	100.0	.0	48.0	****	2.9

JOB: Wilshire and La Peer - Existing RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 10:10:43

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. NBQ	60	49	3.0	255	1600	36.64	3	3
6. SBQ	60	49	3.0	320	1600	36.64	3	3
9. EBQ	60	8	3.0	1380	1600	36.64	3	3
12. WBQ	60	8	60.0	2045	1600	36.64	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	466.0	558.0	5.4
2. NE1	534.0	558.0	5.4
3. SW1	466.0	442.0	5.4
4. SE1	534.0	442.0	5.4
5. NW8	453.0	571.0	5.4
6. NE8	547.0	571.0	5.4
7. SW8	453.0	429.0	5.4
8. SE8	547.0	429.0	5.4

JOB: Wilshire and La Peer - Existing 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	REC5	REC6	REC7	REC8
0.	.3	.1	1.1	.8	.1	.0	.8	.7
10.	.8	.0	1.5	.7	.2	.0	1.1	.7
20.	1.0	.0	1.0	.7	.5	.0	1.0	.7
30.	.9	.0	.8	.7	.7	.0	.7	.6
40.	.8	.0	.8	.6	.6	.0	.8	.6
50.	.7	.0	.9	.8	.6	.0	.8	.6
60.	.7	.0	1.0	.8	.6	.0	1.0	.8
70.	.6	.1	1.3	1.1	.5	.0	1.1	.9
80.	.7	.1	1.5	1.1	.5	.0	1.2	.7
90.	1.3	.7	1.2	.5	.8	.3	.5	.2
100.	2.1	1.3	.6	.1	1.5	.9	.3	.0
110.	1.6	1.2	.5	.0	1.6	1.0	.2	.0
120.	1.4	1.0	.5	.0	1.4	.9	.2	.0
130.	1.0	.9	.4	.0	.9	.7	.1	.0
140.	.8	.9	.3	.0	.8	.7	.1	.0
150.	1.0	.8	.2	.0	.8	.7	.2	.0
160.	1.1	.8	.2	.0	.9	.7	.2	.0

170.	*	1.0	.8	.3	.0	.8	.7	.2	.0
180.	*	.8	1.0	.1	.1	.7	.8	.0	.0
190.	*	.6	1.2	.0	.3	.6	1.1	.0	.2
200.	*	.6	1.0	.0	.4	.6	1.1	.0	.2
210.	*	.6	.8	.0	.6	.6	.6	.0	.2
220.	*	.7	.7	.0	.8	.6	.7	.0	.2
230.	*	.8	.9	.0	.8	.7	.8	.0	.3
240.	*	.9	1.0	.0	.7	.9	1.1	.0	.4
250.	*	1.2	1.4	.0	.6	1.0	1.3	.0	.4
260.	*	1.3	1.8	.1	.7	1.0	1.3	.0	.4
270.	*	.7	1.3	.5	1.2	.3	.6	.2	.6
280.	*	.1	.6	1.0	1.7	.0	.3	.7	1.2
290.	*	.1	.5	1.1	1.5	.0	.4	.9	1.4
300.	*	.0	.5	.8	1.2	.0	.4	.8	1.2
310.	*	.0	.5	.8	1.0	.0	.5	.7	.9
320.	*	.0	.7	.6	.7	.0	.5	.6	.7
330.	*	.0	.6	.6	1.0	.0	.4	.6	.8
340.	*	.0	.4	.6	1.2	.0	.2	.5	1.1
350.	*	.0	.2	.7	1.2	.0	.2	.5	1.1
360.	*	.3	.1	1.1	.8	.1	.0	.8	.7
MAX	*	2.1	1.8	1.5	1.7	1.6	1.3	1.2	1.4
DEGR.	*	100	260	10	280	110	250	80	290

THE HIGHEST CONCENTRATION OF 2.10 PPM OCCURRED AT RECEPTOR REC1 .

JOB: Wilshire and La Peer - No Project RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 9:38: 5

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	512.0	.0	512.0	500.0	500.	360.	AG	295.	5.7	.0	44.0		
2. NBD	512.0	500.0	512.0	1000.0	500.	360.	AG	205.	5.7	.0	44.0		
3. NBQ	512.0	452.0	512.0	211.6	240.	180.	AG	139.	100.0	.0	24.0	1.11	12.2
4. SBA	488.0	1000.0	488.0	500.0	500.	180.	AG	365.	5.7	.0	44.0		
5. SBD	488.0	500.0	488.0	.0	500.	180.	AG	285.	5.7	.0	44.0		
6. SBQ	488.0	548.0	488.0	1157.4	609.	360.	AG	139.	100.0	.0	24.0	1.37	31.0
7. EBA	.0	476.0	500.0	476.0	500.	90.	AG	1790.	5.7	.0	68.0		
8. EBD	500.0	476.0	1000.0	476.0	500.	90.	AG	1870.	5.7	.0	68.0		
9. EBQ	476.0	476.0	458.9	476.0	17.	270.	AG	39.	100.0	.0	48.0	.35	.9
10. WBA	1000.0	524.0	500.0	524.0	500.	270.	AG	2740.	5.7	.0	68.0		
11. WBD	500.0	524.0	.0	524.0	500.	270.	AG	2830.	5.7	.0	68.0		
12. WBQ	524.0	524.0	708.7	524.0	185.	90.	AG	39.	100.0	.0	48.0	****	9.4

JOB: Wilshire and La Peer - No Project RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 9:38: 5

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. NBQ	60	50	3.0	295	1600	31.02	3	3
6. SBQ	60	50	3.0	365	1600	31.02	3	3
9. EBQ	60	7	3.0	1790	1600	31.02	3	3
12. WBQ	60	7	60.0	2740	1600	31.02	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	466.0	558.0	5.4
2. NE1	534.0	558.0	5.4
3. SW1	466.0	442.0	5.4
4. SE1	534.0	442.0	5.4
5. NW8	453.0	571.0	5.4
6. NE8	547.0	571.0	5.4
7. SW8	453.0	429.0	5.4
8. SE8	547.0	429.0	5.4

JOB: Wilshire and La Peer - No Project 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	REC5	REC6	REC7	REC8
0.	.8	.4	1.5	1.1	.5	.1	1.1	.9
10.	1.4	.0	1.7	.7	.9	.0	1.6	.7
20.	1.0	.0	1.0	.7	.8	.0	1.1	.7
30.	.8	.0	.9	.8	.6	.0	.7	.7
40.	.7	.0	.9	.9	.6	.0	.8	.7
50.	.6	.0	1.0	.9	.5	.0	1.0	.9
60.	.6	.1	1.2	1.1	.5	.0	1.0	.9
70.	.5	.1	1.6	1.2	.5	.0	1.4	1.1
80.	.6	.2	1.6	1.2	.5	.0	1.3	.9
90.	1.6	.8	1.1	.7	.9	.3	.6	.2
100.	2.3	1.6	.5	.1	1.7	1.2	.3	.0
110.	1.9	1.5	.4	.0	1.7	1.2	.3	.0
120.	1.5	1.2	.4	.0	1.5	1.1	.4	.0
130.	1.1	1.1	.6	.0	1.1	.9	.4	.0
140.	.9	.9	.6	.0	.8	.8	.5	.0
150.	1.1	.9	.7	.0	.9	.7	.6	.0
160.	1.4	.8	.7	.0	1.3	.7	.6	.0

170.	*	1.5	.8	.6	.0	1.2	.7	.3	.0
180.	*	.9	1.3	.1	.4	.7	1.0	.0	.1
190.	*	.7	1.6	.0	1.2	.6	1.4	.0	.7
200.	*	.7	1.0	.0	1.0	.6	1.2	.0	.8
210.	*	.7	.8	.0	.9	.7	.7	.0	.7
220.	*	.8	.8	.0	.8	.7	.7	.0	.6
230.	*	.9	1.1	.0	.6	.9	.9	.0	.5
240.	*	1.0	1.2	.0	.6	1.0	1.1	.0	.5
250.	*	1.4	1.6	.0	.5	1.1	1.4	.0	.4
260.	*	1.6	1.9	.1	.6	1.1	1.4	.0	.4
270.	*	.8	1.4	.6	1.2	.3	.7	.2	.7
280.	*	.2	.5	1.2	1.9	.0	.3	.9	1.4
290.	*	.1	.4	1.2	1.7	.0	.4	1.0	1.5
300.	*	.1	.4	1.0	1.3	.0	.4	.9	1.3
310.	*	.1	.5	.8	1.0	.0	.4	.8	1.0
320.	*	.0	.6	.8	.8	.0	.5	.6	.7
330.	*	.0	.7	.7	1.1	.0	.6	.7	.9
340.	*	.0	.8	.7	1.2	.0	.7	.6	1.2
350.	*	.1	.9	.8	1.6	.0	.7	.6	1.5
360.	*	.8	.4	1.5	1.1	.5	.1	1.1	.9
MAX	*	2.3	1.9	1.7	1.9	1.7	1.4	1.6	1.5
DEGR.	*	100	260	10	280	110	190	10	350

THE HIGHEST CONCENTRATION OF 2.30 PPM OCCURRED AT RECEPTOR REC1 .

JOB: Wilshire and La Peer - With Project RUN: CAL3QHC RUN

DATE : 6/17/ 9
TIME : 14:31:57

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	512.0	.0	512.0	500.0	500.	360.	AG	300.	5.7	.0	44.0		
2. NBD	512.0	500.0	512.0	1000.0	500.	360.	AG	205.	5.7	.0	44.0		
3. NBQ	512.0	452.0	512.0	179.9	272.	180.	AG	139.	100.0	.0	24.0	1.13	13.8
4. SBA	488.0	1000.0	488.0	500.0	500.	180.	AG	365.	5.7	.0	44.0		
5. SBD	488.0	500.0	488.0	.0	500.	180.	AG	285.	5.7	.0	44.0		
6. SBQ	488.0	548.0	488.0	1157.4	609.	360.	AG	139.	100.0	.0	24.0	1.37	31.0
7. EBA	.0	476.0	500.0	476.0	500.	90.	AG	1835.	5.7	.0	68.0		
8. EBD	500.0	476.0	1000.0	476.0	500.	90.	AG	1920.	5.7	.0	68.0		
9. EBQ	476.0	476.0	458.5	476.0	18.	270.	AG	39.	100.0	.0	48.0	.36	.9
10. WBA	1000.0	524.0	500.0	524.0	500.	270.	AG	2750.	5.7	.0	68.0		
11. WBD	500.0	524.0	.0	524.0	500.	270.	AG	2840.	5.7	.0	68.0		
12. WBQ	524.0	524.0	710.4	524.0	186.	90.	AG	39.	100.0	.0	48.0	****	9.5

JOB: Wilshire and La Peer - With Project RUN: CAL3QHC RUN

DATE : 6/17/ 9
TIME : 14:31:57

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. NBQ	60	50	3.0	300	1600	31.02	3	3
6. SBQ	60	50	3.0	365	1600	31.02	3	3
9. EBQ	60	7	3.0	1835	1600	31.02	3	3
12. WBQ	60	7	60.0	2750	1600	31.02	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	466.0	558.0	5.4
2. NE1	534.0	558.0	5.4
3. SW1	466.0	442.0	5.4
4. SE1	534.0	442.0	5.4
5. NW8	453.0	571.0	5.4
6. NE8	547.0	571.0	5.4
7. SW8	453.0	429.0	5.4
8. SE8	547.0	429.0	5.4

JOB: Wilshire and La Peer - With Project 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	REC5	REC6	REC7	REC8
0.	.8	.4	1.5	1.1	.5	.1	1.1	.9
10.	1.4	.0	1.7	.7	.9	.0	1.6	.7
20.	1.0	.0	1.0	.7	.8	.0	1.1	.7
30.	.8	.0	.9	.8	.6	.0	.7	.7
40.	.7	.0	.9	.9	.6	.0	.8	.7
50.	.6	.0	1.0	.9	.5	.0	1.0	.9
60.	.6	.1	1.2	1.1	.5	.0	1.0	1.0
70.	.5	.1	1.6	1.3	.5	.0	1.4	1.1
80.	.7	.2	1.8	1.3	.5	.0	1.3	.9
90.	1.6	.8	1.1	.7	.9	.3	.6	.2
100.	2.3	1.6	.5	.1	1.8	1.2	.3	.0
110.	1.9	1.5	.4	.0	1.8	1.2	.3	.0
120.	1.5	1.2	.5	.0	1.5	1.1	.4	.0
130.	1.1	1.1	.6	.0	1.1	1.0	.4	.0
140.	.9	.9	.6	.0	.8	.8	.6	.0
150.	1.1	.9	.7	.0	1.0	.8	.6	.0
160.	1.4	.8	.7	.0	1.3	.7	.6	.0
170.	1.5	.8	.7	.0	1.2	.7	.4	.0
180.	.9	1.3	.2	.5	.8	1.0	.0	.1
190.	.7	1.6	.0	1.2	.6	1.5	.0	.7
200.	.7	1.0	.0	1.0	.6	1.2	.0	.8
210.	.8	.8	.0	.9	.7	.7	.0	.7
220.	.9	.8	.0	.8	.7	.7	.0	.6
230.	.9	1.1	.0	.6	.9	.9	.0	.5
240.	1.0	1.2	.0	.6	1.0	1.1	.0	.5
250.	1.4	1.7	.0	.5	1.1	1.4	.0	.4
260.	1.6	1.9	.1	.6	1.1	1.4	.0	.4
270.	.9	1.5	.7	1.2	.3	.7	.2	.8
280.	.2	.5	1.2	1.9	.0	.3	.9	1.4
290.	.1	.4	1.2	1.7	.0	.4	1.0	1.5
300.	.1	.4	1.0	1.3	.0	.4	.9	1.3
310.	.1	.5	.8	1.0	.0	.4	.8	1.0
320.	.0	.6	.8	.8	.0	.5	.6	.7
330.	.0	.7	.7	1.1	.0	.6	.7	.9
340.	.0	.8	.7	1.2	.0	.7	.6	1.2
350.	.1	.9	.8	1.6	.0	.7	.6	1.5
360.	.8	.4	1.5	1.1	.5	.1	1.1	.9
MAX	2.3	1.9	1.8	1.9	1.8	1.5	1.6	1.5
DEGR.	100	260	80	280	100	190	10	350

THE HIGHEST CONCENTRATION OF 2.30 PPM OCCURRED AT RECEPTOR REC1 .

JOB: Robertson and Clifton - Existing RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 9:58:55

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	512.0	.0	512.0	500.0	500.	360. AG	830.	6.6	.0	44.0		
2. NBD	512.0	500.0	512.0	1000.0	500.	360. AG	725.	6.6	.0	44.0		
3. NBQ	512.0	488.0	512.0	456.2	32.	180. AG	46.	100.0	.0	24.0	.38	1.6
4. SBA	488.0	1000.0	488.0	500.0	500.	180. AG	815.	6.6	.0	44.0		
5. SBD	488.0	500.0	488.0	.0	500.	180. AG	915.	6.6	.0	44.0		
6. SBQ	488.0	512.0	488.0	543.2	31.	360. AG	46.	100.0	.0	24.0	.37	1.6
7. EBA	.0	494.0	500.0	494.0	500.	90. AG	340.	6.6	.0	32.0		
8. EBD	500.0	494.0	1000.0	494.0	500.	90. AG	335.	6.6	.0	32.0		
9. EBQ	476.0	494.0	96.2	494.0	380.	270. AG	70.	100.0	.0	12.0	1.07	19.3
10. WBA	1000.0	506.0	500.0	506.0	500.	270. AG	175.	6.6	.0	32.0		
11. WBD	500.0	506.0	.0	506.0	500.	270. AG	185.	6.6	.0	32.0		
12. WBQ	524.0	506.0	565.1	506.0	41.	90. AG	70.	100.0	.0	12.0	-.15	2.1

JOB: Robertson and Clifton - Existing RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 9:58:55

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. NBQ	60	14	3.0	830	1600	36.64	3	3
6. SBQ	60	14	3.0	815	1600	36.64	3	3
9. EBQ	60	43	3.0	340	1600	36.64	3	3
12. WBQ	60	43	60.0	175	1600	36.64	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	466.0	522.0	5.4
2. NE1	534.0	522.0	5.4
3. SW1	466.0	478.0	5.4
4. SE1	534.0	478.0	5.4
5. NW8	453.0	535.0	5.4
6. NE8	547.0	535.0	5.4
7. SW8	453.0	465.0	5.4
8. SE8	547.0	465.0	5.4

JOB: Robertson and Clifton - Existing 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	REC5	REC6	REC7	REC8
0.	.5	.5	.9	.8	.2	.1	.6	.5
10.	.7	.1	1.3	.3	.6	.0	.9	.2
20.	.6	.0	1.0	.3	.5	.0	.9	.2
30.	.5	.0	.8	.3	.4	.0	.9	.1
40.	.5	.0	.5	.3	.3	.0	.6	.1
50.	.4	.0	.5	.2	.3	.0	.4	.1
60.	.4	.0	.6	.2	.3	.0	.7	.1
70.	.4	.0	.7	.3	.3	.0	.7	.2
80.	.4	.0	.9	.3	.4	.0	.7	.3
90.	.7	.2	.6	.2	.4	.0	.5	.1
100.	.9	.3	.4	.0	.7	.2	.3	.0
110.	.6	.3	.4	.0	.7	.2	.3	.0
120.	.6	.4	.4	.0	.6	.2	.3	.0
130.	.6	.4	.4	.0	.4	.1	.3	.0
140.	.7	.3	.5	.0	.6	.1	.4	.0
150.	.6	.3	.5	.0	.7	.2	.5	.0
160.	.9	.3	.7	.0	.7	.3	.5	.0

170.	*	1.1	.4	.9	.1	.8	.3	.6	.0
180.	*	.9	.9	.6	.5	.5	.6	.2	.3
190.	*	.4	1.3	.1	.8	.2	1.0	.0	.6
200.	*	.3	1.1	.0	.7	.2	1.0	.0	.5
210.	*	.3	.8	.0	.5	.3	.9	.0	.4
220.	*	.4	.6	.0	.5	.3	.7	.0	.4
230.	*	.4	.5	.0	.5	.3	.3	.0	.4
240.	*	.5	.6	.0	.5	.4	.5	.0	.4
250.	*	.5	.8	.0	.5	.5	.7	.0	.4
260.	*	.7	1.1	.0	.5	.5	.8	.0	.4
270.	*	.3	.8	.5	1.0	.1	.4	.2	.7
280.	*	.0	.4	.8	1.3	.0	.2	.7	1.1
290.	*	.0	.4	.7	.8	.0	.2	.5	.8
300.	*	.0	.4	.5	.6	.0	.3	.4	.7
310.	*	.0	.4	.4	.5	.0	.3	.3	.5
320.	*	.0	.4	.3	.6	.0	.4	.3	.5
330.	*	.0	.5	.3	.6	.0	.4	.3	.7
340.	*	.0	.6	.3	.9	.0	.5	.3	.6
350.	*	.1	.8	.4	1.0	.0	.5	.3	.7
360.	*	.5	.5	.9	.8	.2	.1	.6	.5
MAX	*	1.1	1.3	1.3	1.3	.8	1.0	.9	1.1
DEGR.	*	170	190	10	280	170	190	10	280

THE HIGHEST CONCENTRATION OF 1.30 PPM OCCURRED AT RECEPTOR REC3 .

JOB: Robertson and Clifton - No Project RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 10:22:57

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	512.0	.0	512.0	500.0	500.	360.	AG	925.	5.7	.0	44.0		
2. NBD	512.0	500.0	512.0	1000.0	500.	360.	AG	965.	5.7	.0	44.0		
3. NBQ	512.0	488.0	512.0	455.2	33.	180.	AG	36.	100.0	.0	24.0	.41	1.7
4. SBA	488.0	1000.0	488.0	500.0	500.	180.	AG	1120.	5.7	.0	44.0		
5. SBD	488.0	500.0	488.0	.0	500.	180.	AG	1115.	5.7	.0	44.0		
6. SBQ	488.0	512.0	488.0	551.8	40.	360.	AG	36.	100.0	.0	24.0	.50	2.0
7. EBA	.0	494.0	500.0	494.0	500.	90.	AG	400.	5.7	.0	32.0		
8. EBD	500.0	494.0	1000.0	494.0	500.	90.	AG	340.	5.7	.0	32.0		
9. EBQ	476.0	494.0	-787.8	494.0	1264.	270.	AG	61.	100.0	.0	12.0	1.37	64.2
10. WBA	1000.0	506.0	500.0	506.0	500.	270.	AG	230.	5.7	.0	32.0		
11. WBD	500.0	506.0	.0	506.0	500.	270.	AG	255.	5.7	.0	32.0		
12. WBQ	524.0	506.0	579.3	506.0	55.	90.	AG	61.	100.0	.0	12.0	-.19	2.8

JOB: Robertson and Clifton - No Project RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 10:22:57

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. NBQ	60	13	3.0	925	1600	31.02	3	3
6. SBQ	60	13	3.0	1120	1600	31.02	3	3
9. EBQ	60	44	3.0	400	1600	31.02	3	3
12. WBQ	60	44	60.0	230	1600	31.02	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	466.0	522.0	5.4
2. NE1	534.0	522.0	5.4
3. SW1	466.0	478.0	5.4
4. SE1	534.0	478.0	5.4
5. NW8	453.0	535.0	5.4
6. NE8	547.0	535.0	5.4
7. SW8	453.0	465.0	5.4
8. SE8	547.0	465.0	5.4

JOB: Robertson and Clifton - No Project 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	REC5	REC6	REC7	REC8
0.	.6	.5	.9	.8	.2	.3	.5	.5
10.	.9	.1	1.3	.4	.6	.0	.8	.2
20.	.7	.0	1.1	.3	.6	.0	.9	.2
30.	.6	.0	.8	.3	.5	.0	.8	.2
40.	.6	.0	.7	.3	.4	.0	.6	.2
50.	.6	.0	.5	.4	.3	.0	.4	.1
60.	.5	.0	.6	.3	.3	.0	.6	.1
70.	.4	.0	.8	.2	.4	.0	.6	.2
80.	.4	.0	.9	.3	.4	.0	.6	.2
90.	.7	.2	.6	.2	.4	.0	.5	.1
100.	.8	.3	.4	.0	.7	.2	.3	.0
110.	.7	.4	.4	.0	.7	.2	.3	.0
120.	.6	.4	.4	.0	.6	.2	.3	.0
130.	.7	.4	.5	.0	.3	.3	.3	.0
140.	.8	.4	.5	.0	.6	.2	.4	.0
150.	.7	.3	.5	.0	.7	.2	.5	.0
160.	.9	.3	.6	.0	.7	.3	.6	.0

170.	*	1.2	.4	.9	.1	.8	.1	.6	.0
180.	*	.9	.9	.6	.5	.5	.5	.2	.3
190.	*	.5	1.2	.1	.8	.2	.8	.0	.5
200.	*	.4	1.1	.0	.7	.2	.9	.0	.6
210.	*	.4	.8	.0	.5	.2	.8	.0	.4
220.	*	.4	.7	.0	.5	.3	.6	.0	.4
230.	*	.4	.5	.0	.5	.4	.3	.0	.4
240.	*	.4	.6	.0	.5	.4	.6	.0	.4
250.	*	.5	.8	.0	.5	.4	.7	.0	.4
260.	*	.8	1.2	.0	.5	.5	.9	.0	.3
270.	*	.5	1.0	.8	1.2	.2	.7	.4	.8
280.	*	.0	.5	.9	1.3	.0	.4	.7	1.0
290.	*	.0	.5	.7	.9	.0	.4	.5	.8
300.	*	.0	.5	.5	.5	.0	.4	.4	.5
310.	*	.0	.4	.4	.6	.0	.4	.3	.4
320.	*	.0	.4	.4	.6	.0	.4	.3	.6
330.	*	.0	.5	.3	.7	.0	.4	.3	.7
340.	*	.0	.7	.3	.9	.0	.6	.2	.8
350.	*	.1	.8	.4	1.1	.0	.6	.2	.9
360.	*	.6	.5	.9	.8	.2	.3	.5	.5
MAX	*	1.2	1.2	1.3	1.3	.8	.9	.9	1.0
DEGR.	*	170	190	10	280	170	200	20	280

THE HIGHEST CONCENTRATION OF 1.30 PPM OCCURRED AT RECEPTOR REC3 .

JOB: Robertson and Clifton - With Project RUN: CAL3QHC RUN

DATE : 6/17/ 9
TIME : 14:40:43

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	512.0	.0	512.0	500.0	500.	360.	AG	1220.	5.7	.0	44.0		
2. NBD	512.0	500.0	512.0	1000.0	500.	360.	AG	1055.	5.7	.0	44.0		
3. NBQ	512.0	488.0	512.0	448.0	40.	180.	AG	33.	100.0	.0	24.0	.53	2.0
4. SBA	488.0	1000.0	488.0	500.0	500.	180.	AG	1185.	5.7	.0	44.0		
5. SBD	488.0	500.0	488.0	.0	500.	180.	AG	1280.	5.7	.0	44.0		
6. SBQ	488.0	512.0	488.0	550.8	39.	360.	AG	33.	100.0	.0	24.0	.52	2.0
7. EBA	.0	494.0	500.0	494.0	500.	90.	AG	400.	5.7	.0	32.0		
8. EBD	500.0	494.0	1000.0	494.0	500.	90.	AG	445.	5.7	.0	32.0		
9. EBQ	476.0	494.0	-1061.4	494.0	1537.	270.	AG	62.	100.0	.0	12.0	1.50	78.1
10. WBA	1000.0	506.0	500.0	506.0	500.	270.	AG	230.	5.7	.0	32.0		
11. WBD	500.0	506.0	.0	506.0	500.	270.	AG	255.	5.7	.0	32.0		
12. WBQ	524.0	506.0	580.6	506.0	57.	90.	AG	62.	100.0	.0	12.0	-.18	2.9

JOB: Robertson and Clifton - With Project RUN: CAL3QHC RUN

DATE : 6/17/ 9
TIME : 14:40:43

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. NBQ	60	12	3.0	1220	1600	31.02	3	3
6. SBQ	60	12	3.0	1185	1600	31.02	3	3
9. EBQ	60	45	3.0	400	1600	31.02	3	3
12. WBQ	60	45	60.0	230	1600	31.02	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	466.0	522.0	5.4
2. NE1	534.0	522.0	5.4
3. SW1	466.0	478.0	5.4
4. SE1	534.0	478.0	5.4
5. NW8	453.0	535.0	5.4
6. NE8	547.0	535.0	5.4
7. SW8	453.0	465.0	5.4
8. SE8	547.0	465.0	5.4

JOB: Robertson and Clifton - With Project 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	REC5	REC6	REC7	REC8
0.	.6	.5	1.0	.9	.3	.3	.5	.5
10.	1.0	.1	1.4	.4	.6	.0	1.1	.2
20.	.8	.0	1.2	.3	.6	.0	.9	.2
30.	.7	.0	.8	.3	.5	.0	.8	.2
40.	.6	.0	.8	.3	.5	.0	.6	.2
50.	.6	.0	.6	.4	.4	.0	.5	.1
60.	.5	.0	.6	.3	.4	.0	.7	.1
70.	.5	.0	.9	.3	.4	.0	.7	.2
80.	.5	.0	.9	.4	.4	.0	.8	.3
90.	.8	.2	.9	.2	.5	.0	.6	.1
100.	1.0	.4	.5	.0	.7	.2	.5	.0
110.	.8	.4	.5	.0	.7	.2	.4	.0
120.	.7	.5	.6	.0	.6	.2	.4	.0
130.	.8	.4	.5	.0	.4	.3	.5	.0
140.	.9	.4	.5	.0	.8	.3	.5	.0
150.	.9	.3	.7	.0	.7	.3	.5	.0
160.	1.1	.3	.8	.0	.9	.3	.7	.0
170.	1.4	.4	1.1	.1	1.0	.3	.8	.0
180.	1.1	1.0	.6	.6	.5	.5	.3	.3
190.	.5	1.5	.1	1.1	.2	1.1	.0	.7
200.	.4	1.2	.0	.8	.2	1.0	.0	.7
210.	.4	.9	.0	.8	.2	.8	.0	.5
220.	.4	.8	.0	.6	.4	.6	.0	.5
230.	.4	.7	.0	.6	.4	.3	.0	.4
240.	.4	.6	.0	.5	.4	.6	.0	.4
250.	.5	.8	.0	.5	.4	.7	.0	.5
260.	.8	1.1	.0	.5	.5	1.0	.0	.5
270.	.5	1.0	.8	1.3	.2	.8	.4	.9
280.	.0	.5	.9	1.3	.0	.5	.7	1.2
290.	.0	.5	.7	.9	.0	.4	.5	.9
300.	.0	.5	.5	.5	.0	.4	.4	.7
310.	.0	.4	.4	.7	.0	.4	.3	.5
320.	.0	.5	.4	.8	.0	.4	.3	.6
330.	.0	.6	.3	.7	.0	.5	.3	.7
340.	.0	.7	.3	.9	.0	.6	.3	.8
350.	.1	.9	.4	1.2	.0	.7	.3	.9
360.	.6	.5	1.0	.9	.3	.3	.5	.5
MAX	1.4	1.5	1.4	1.3	1.0	1.1	1.1	1.2
DEGR.	170	190	10	270	170	190	10	280

THE HIGHEST CONCENTRATION OF 1.50 PPM OCCURRED AT RECEPTOR REC2 .

JOB: Robertson and Wilshire - Existing RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 14:37:13

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	518.0	.0	518.0	500.0	500.	360.	AG	1050.	6.6	.0	56.0		
2. NBD	518.0	500.0	518.0	1000.0	500.	360.	AG	885.	6.6	.0	56.0		
3. NBQ	518.0	452.0	518.0	377.0	75.	180.	AG	182.	100.0	.0	36.0	.73	3.8
4. SBA	482.0	1000.0	482.0	500.0	500.	180.	AG	820.	6.6	.0	56.0		
5. SBD	482.0	500.0	482.0	.0	500.	180.	AG	835.	6.6	.0	56.0		
6. SBQ	482.0	548.0	482.0	603.2	55.	360.	AG	182.	100.0	.0	36.0	.57	2.8
7. EBA	.0	476.0	500.0	476.0	500.	90.	AG	1445.	6.6	.0	68.0		
8. EBD	500.0	476.0	1000.0	476.0	500.	90.	AG	1460.	6.6	.0	68.0		
9. EBQ	464.0	476.0	424.5	476.0	39.	270.	AG	131.	100.0	.0	48.0	.39	2.0
10. WBA	1000.0	524.0	500.0	524.0	500.	270.	AG	2115.	6.6	.0	68.0		
11. WBD	500.0	524.0	.0	524.0	500.	270.	AG	2250.	6.6	.0	68.0		
12. WBQ	536.0	524.0	593.7	524.0	58.	90.	AG	131.	100.0	.0	48.0	-.90	2.9

JOB: Robertson and Wilshire - Existing RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 14:37:13

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. NBQ	60	37	3.0	1050	1600	36.64	3	3
6. SBQ	60	37	3.0	820	1600	36.64	3	3
9. EBQ	60	20	3.0	1445	1600	36.64	3	3
12. WBQ	60	20	60.0	2115	1600	36.64	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	454.0	558.0	5.4
2. NE1	546.0	558.0	5.4
3. SW1	454.0	442.0	5.4
4. SE1	546.0	442.0	5.4
5. NW8	441.0	571.0	5.4
6. NE8	559.0	571.0	5.4
7. SW8	441.0	429.0	5.4
8. SE8	559.0	429.0	5.4

JOB: Robertson and Wilshire - Existing 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	REC5	REC6	REC7	REC8
0.	.3	.4	1.6	1.3	.1	.1	1.1	1.0
10.	.8	.1	1.9	.9	.4	.0	1.6	.8
20.	.9	.0	1.7	.9	.5	.0	1.6	.7
30.	1.0	.0	1.3	.8	.4	.0	1.2	.6
40.	1.0	.0	1.3	.7	.5	.0	1.2	.6
50.	1.0	.0	1.3	.8	.6	.0	1.2	.6
60.	1.0	.0	1.4	.8	.7	.0	1.3	.8
70.	.9	.1	1.5	1.1	.8	.0	1.5	.9
80.	1.0	.1	1.8	1.1	.7	.0	1.4	.7
90.	1.8	.7	1.4	.5	1.2	.3	1.0	.2
100.	2.5	1.4	.9	.1	1.8	1.0	.7	.0
110.	2.1	1.3	.8	.0	2.0	1.0	.8	.0
120.	1.6	1.2	.8	.0	1.7	.9	.7	.0
130.	1.3	1.2	.7	.0	1.2	.8	.5	.0
140.	1.2	1.1	.6	.0	1.2	.8	.4	.0
150.	1.5	1.0	.5	.0	1.3	.9	.4	.0
160.	1.7	1.0	.7	.0	1.5	.9	.5	.0

170.	*	1.6	1.0	.7	.1	1.3	.9	.5	.0
180.	*	1.4	1.7	.3	.4	1.0	1.2	.1	.2
190.	*	.8	2.2	.1	1.0	.7	1.8	.0	.5
200.	*	.7	1.6	.0	1.2	.6	1.8	.0	.6
210.	*	.7	1.2	.0	1.2	.6	1.2	.0	.7
220.	*	.7	1.2	.0	1.2	.7	1.4	.0	.8
230.	*	.9	1.4	.0	1.1	.7	1.1	.0	.8
240.	*	1.0	1.4	.0	.9	.9	1.3	.0	.8
250.	*	1.2	1.5	.0	.9	1.1	1.5	.0	.8
260.	*	1.4	2.1	.1	.9	1.0	1.6	.0	.8
270.	*	.8	1.6	.5	1.5	.3	1.1	.2	1.0
280.	*	.1	.9	1.2	2.1	.0	.7	.7	1.8
290.	*	.1	.7	1.2	1.9	.0	.5	1.0	1.9
300.	*	.0	.6	1.0	1.4	.0	.4	.8	1.5
310.	*	.0	.4	1.0	1.3	.0	.3	.7	1.0
320.	*	.0	.4	1.0	1.3	.0	.3	.6	1.0
330.	*	.0	.5	1.0	1.4	.0	.5	.7	1.3
340.	*	.0	.6	1.0	1.5	.0	.5	.8	1.4
350.	*	.1	.7	1.0	1.5	.0	.4	.9	1.3
360.	*	.3	.4	1.6	1.3	.1	.1	1.1	1.0
MAX	*	2.5	2.2	1.9	2.1	2.0	1.8	1.6	1.9
DEGR.	*	100	190	10	280	110	190	10	290

THE HIGHEST CONCENTRATION OF 2.50 PPM OCCURRED AT RECEPTOR REC1 .

JOB: Robertson and Wilshire - No Project RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 14:42:11

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	518.0	.0	518.0	500.0	500.	360.	AG	1225.	5.7	.0	56.0		
2. NBD	518.0	500.0	518.0	1000.0	500.	360.	AG	1060.	5.7	.0	56.0		
3. NBQ	518.0	452.0	518.0	296.5	156.	180.	AG	162.	100.0	.0	36.0	.96	7.9
4. SBA	482.0	1000.0	482.0	500.0	500.	180.	AG	995.	5.7	.0	56.0		
5. SBD	482.0	500.0	482.0	.0	500.	180.	AG	1000.	5.7	.0	56.0		
6. SBQ	482.0	548.0	482.0	628.7	81.	360.	AG	162.	100.0	.0	36.0	.78	4.1
7. EBA	.0	476.0	500.0	476.0	500.	90.	AG	1855.	5.7	.0	68.0		
8. EBD	500.0	476.0	1000.0	476.0	500.	90.	AG	1875.	5.7	.0	68.0		
9. EBQ	464.0	476.0	418.4	476.0	46.	270.	AG	100.	100.0	.0	48.0	.47	2.3
10. WBA	1000.0	524.0	500.0	524.0	500.	270.	AG	2840.	5.7	.0	68.0		
11. WBD	500.0	524.0	.0	524.0	500.	270.	AG	2980.	5.7	.0	68.0		
12. WBQ	536.0	524.0	605.9	524.0	70.	90.	AG	100.	100.0	.0	48.0	****	3.5

JOB: Robertson and Wilshire - No Project RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 14:42:11

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. NBQ	60	39	3.0	1225	1600	31.02	3	3
6. SBQ	60	39	3.0	995	1600	31.02	3	3
9. EBQ	60	18	3.0	1855	1600	31.02	3	3
12. WBQ	60	18	60.0	2840	1600	31.02	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	454.0	558.0	5.4
2. NE1	546.0	558.0	5.4
3. SW1	454.0	442.0	5.4
4. SE1	546.0	442.0	5.4
5. NW8	441.0	571.0	5.4
6. NE8	559.0	571.0	5.4
7. SW8	441.0	429.0	5.4
8. SE8	559.0	429.0	5.4

JOB: Robertson and Wilshire - No Project 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	REC5	REC6	REC7	REC8
0.	.3	.4	1.6	1.3	.1	.1	1.2	1.0
10.	.9	.1	2.1	.8	.4	.0	1.7	.8
20.	1.1	.0	1.6	.9	.6	.0	1.6	.8
30.	1.1	.0	1.3	.9	.6	.0	1.2	.8
40.	1.1	.0	1.3	.9	.8	.0	1.4	.6
50.	1.0	.1	1.5	.8	.8	.0	1.4	.8
60.	.9	.1	1.6	1.0	.8	.0	1.5	.9
70.	.8	.1	1.6	1.2	.7	.0	1.5	1.1
80.	1.0	.2	2.0	1.2	.7	.0	1.6	.9
90.	1.9	.8	1.4	.7	1.1	.3	1.0	.2
100.	2.6	1.7	.9	.1	2.1	1.1	.6	.0
110.	2.3	1.6	.8	.0	2.2	1.1	.7	.0
120.	1.6	1.3	.8	.0	1.6	1.1	.7	.0
130.	1.5	1.2	.8	.0	1.3	1.0	.8	.0
140.	1.4	1.2	.9	.0	1.2	.9	.8	.0
150.	1.5	1.1	.9	.0	1.4	1.0	.6	.0
160.	1.9	1.0	.9	.0	1.7	.9	.5	.0

170.	*	1.8	1.0	.7	.1	1.3	.9	.5	.0
180.	*	1.4	1.8	.3	.6	1.1	1.2	.1	.2
190.	*	.9	2.4	.1	1.4	.7	2.0	.0	.7
200.	*	.8	1.6	.0	1.6	.7	1.7	.0	1.1
210.	*	.9	1.3	.0	1.3	.7	1.4	.0	1.1
220.	*	.9	1.4	.0	1.2	.7	1.4	.0	1.0
230.	*	1.0	1.5	.0	1.1	.9	1.2	.0	.8
240.	*	1.1	1.5	.0	.9	1.0	1.4	.0	.8
250.	*	1.4	1.7	.0	.8	1.2	1.6	.0	.7
260.	*	1.6	2.2	.1	.9	1.1	2.0	.0	.7
270.	*	.9	1.7	.7	1.5	.3	1.0	.2	1.1
280.	*	.2	.9	1.2	2.2	.0	.6	.9	1.8
290.	*	.1	.7	1.3	2.0	.0	.6	1.0	1.9
300.	*	.1	.7	1.1	1.5	.0	.6	.9	1.6
310.	*	.1	.7	1.1	1.4	.0	.4	.8	1.2
320.	*	.0	.7	1.0	1.3	.0	.4	.7	1.2
330.	*	.0	.5	1.0	1.4	.0	.5	.8	1.5
340.	*	.0	.6	1.0	1.6	.0	.5	.9	1.3
350.	*	.1	.7	1.0	1.6	.0	.5	.9	1.3
360.	*	.3	.4	1.6	1.3	.1	.1	1.2	1.0
MAX	*	2.6	2.4	2.1	2.2	2.2	2.0	1.7	1.9
DEGR.	*	100	190	10	280	110	190	10	290

THE HIGHEST CONCENTRATION OF 2.60 PPM OCCURRED AT RECEPTOR REC1 .

JOB: Robertson and Wilshire - With Project RUN: CAL3QHC RUN

DATE : 6/17/ 9
TIME : 14:49:11

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH (VEH)	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE
1. NBA	518.0	.0	518.0	500.0	500.	360.	AG	1245.	5.7	.0	56.0		
2. NBD	518.0	500.0	518.0	1000.0	500.	360.	AG	1170.	5.7	.0	56.0		
3. NBQ	518.0	452.0	518.0	283.7	168.	180.	AG	162.	100.0	.0	36.0	.97	8.6
4. SBA	482.0	1000.0	482.0	500.0	500.	180.	AG	995.	5.7	.0	56.0		
5. SBD	482.0	500.0	482.0	.0	500.	180.	AG	1010.	5.7	.0	56.0		
6. SBQ	482.0	548.0	482.0	628.7	81.	360.	AG	162.	100.0	.0	36.0	.78	4.1
7. EBA	.0	476.0	500.0	476.0	500.	90.	AG	1885.	5.7	.0	68.0		
8. EBD	500.0	476.0	1000.0	476.0	500.	90.	AG	1875.	5.7	.0	68.0		
9. EBQ	464.0	476.0	417.6	476.0	46.	270.	AG	100.	100.0	.0	48.0	.48	2.4
10. WBA	1000.0	524.0	500.0	524.0	500.	270.	AG	2905.	5.7	.0	68.0		
11. WBD	500.0	524.0	.0	524.0	500.	270.	AG	2975.	5.7	.0	68.0		
12. WBQ	536.0	524.0	607.5	524.0	71.	90.	AG	100.	100.0	.0	48.0	****	3.6

JOB: Robertson and Wilshire - With Project RUN: CAL3QHC RUN

DATE : 6/17/ 9
TIME : 14:49:11

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. NBQ	60	39	3.0	1245	1600	31.02	3	3
6. SBQ	60	39	3.0	995	1600	31.02	3	3
9. EBQ	60	18	3.0	1885	1600	31.02	3	3
12. WBQ	60	18	60.0	2905	1600	31.02	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	454.0	558.0	5.4
2. NE1	546.0	558.0	5.4
3. SW1	454.0	442.0	5.4
4. SE1	546.0	442.0	5.4
5. NW8	441.0	571.0	5.4
6. NE8	559.0	571.0	5.4
7. SW8	441.0	429.0	5.4
8. SE8	559.0	429.0	5.4

JOB: Robertson and Wilshire - With Project 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	REC5	REC6	REC7	REC8
0.	.3	.4	1.6	1.4	.1	.2	1.2	1.0
10.	.9	.1	2.2	.8	.5	.0	1.7	.8
20.	1.2	.0	1.7	.9	.6	.0	1.6	.8
30.	1.1	.0	1.3	.9	.6	.0	1.2	.8
40.	1.1	.0	1.3	.9	.8	.0	1.4	.7
50.	1.0	.1	1.5	.8	.9	.0	1.4	.8
60.	.9	.1	1.6	1.0	.9	.0	1.5	.9
70.	.9	.1	1.7	1.2	.8	.0	1.5	1.1
80.	1.1	.2	2.0	1.2	.7	.0	1.6	.9
90.	2.0	.9	1.4	.7	1.1	.3	1.0	.2
100.	2.7	1.7	.9	.1	2.1	1.1	.6	.0
110.	2.4	1.6	.8	.0	2.2	1.2	.7	.0
120.	1.7	1.4	.8	.0	1.6	1.1	.7	.0
130.	1.5	1.3	.8	.0	1.3	1.0	.8	.0
140.	1.4	1.2	.9	.0	1.2	.9	.8	.0
150.	1.5	1.1	.9	.0	1.4	1.0	.8	.0
160.	1.9	1.0	.9	.0	1.7	.9	.7	.0
170.	1.8	1.0	.7	.1	1.3	.9	.5	.0
180.	1.4	1.9	.3	.6	1.1	1.3	.1	.2
190.	.9	2.4	.1	1.5	.7	2.0	.0	.7
200.	.8	1.8	.0	1.6	.7	1.7	.0	1.2
210.	.9	1.3	.0	1.3	.7	1.4	.0	1.1
220.	.9	1.4	.0	1.2	.7	1.4	.0	1.0
230.	1.0	1.5	.0	1.1	.9	1.3	.0	.8
240.	1.1	1.5	.0	.9	1.0	1.4	.0	.8
250.	1.4	1.7	.0	.8	1.2	1.7	.0	.7
260.	1.6	2.2	.1	.9	1.1	2.0	.0	.7
270.	.9	1.7	.7	1.5	.3	1.0	.2	1.1
280.	.2	.9	1.2	2.2	.0	.6	.9	1.8
290.	.1	.7	1.3	2.0	.0	.6	1.1	1.9
300.	.1	.7	1.1	1.5	.0	.6	.9	1.6
310.	.1	.7	1.1	1.5	.0	.4	.8	1.2
320.	.0	.7	1.0	1.4	.0	.4	.8	1.2
330.	.0	.5	1.0	1.4	.0	.5	.8	1.5
340.	.0	.6	1.0	1.6	.0	.6	.9	1.4
350.	.1	.8	1.0	1.6	.0	.5	.9	1.3
360.	.3	.4	1.6	1.4	.1	.2	1.2	1.0
MAX	2.7	2.4	2.2	2.2	2.2	2.0	1.7	1.9
DEGR.	100	190	10	280	110	190	10	290

THE HIGHEST CONCENTRATION OF 2.70 PPM OCCURRED AT RECEPTOR REC1 .

8767 Wilshire - Weekend

Projected Background 1-Hour CO Concentrations (ppm)

Monitoring Station:

Year	-Hr Concentration
2006	5
2008	4.4

Intersection and Receptor Locations	Existing		Future No Project			Future With Project		
	Traffic CO Contribution [a]	Estimated Local CO Concentration [b]	Traffic CO Contribution [a]	Estimated Local CO Concentration [b]	Exceedance of Significance Threshold [c]	Traffic CO Contribution [a]	Estimated Local CO Concentration [b]	Exceedance of Significance Threshold [c]
Doheny and Wilshire	2.0	7.0	2.4	6.8	NO	2.4	6.8	NO
Robertson and Wilshire	1.7	6.7	2.3	6.7	NO	2.3	6.7	NO
La Cienega and Wilshire	2.1	7.1	2.5	6.9	NO	2.6	7.0	NO

a The 1-hour traffic contribution (ppm) is determined by inputing total traffic volumes into the CAL3QHC model.

b The estimated local concentration is the traffic contribution + the background concentration.

c The California Ambient Air Quality Standard for 1-hour CO concentrations is 20 ppm.

8767 Wilshire - Weekend

Projected Background 8-Hour CO Concentrations (ppm)

Year	8-Hr Concentration
2006	2.7
2008	2.4

Average Persistence Factor = 0.70

Intersection and Receptor Locations	Existing		Future No Project			Future With Project		
	Traffic CO Contribution [a]	Estimated Local CO Concentration [b]	Traffic CO Contribution [a]	Estimated Local CO Concentration [b]	Exceedance of Significance Threshold [c]	Traffic CO Contribution [a]	Estimated Local CO Concentration [b]	Exceedance of Significance Threshold [c]
Doheny and Wilshire	1.4	4.1	1.7	4.1	NO	1.7	4.1	NO
Robertson and Wilshire	1.2	3.9	1.6	4.0	NO	1.6	4.0	NO
La Cienega and Wilshire	1.5	4.2	1.8	4.2	NO	1.8	4.2	NO

a The persistence factor is calculated as recommended in Table B.15 in the Transportation Project-Level Carbon Monoxide Protocol (Institute of Transportation Studies, UC Davis, Revised 1997). This is a generalized persistence factor likely to provide a conservative estimate in most situations.

b The estimated local concentration is the traffic contribution + the background concentration.

c The California Ambient Air Quality Standard for 8-hour CO concentrations is 9 ppm.

JOB: Doheny and Wilshire - Existing RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 13:52: 1

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	524.0	.0	524.0	500.0	500.	360.	AG	455.	6.6	.0	56.0		
2. NBD	524.0	500.0	524.0	1000.0	500.	360.	AG	490.	6.6	.0	56.0		
3. NBQ	524.0	464.0	524.0	429.3	35.	180.	AG	206.	100.0	.0	36.0	.44	1.8
4. SBA	476.0	1000.0	476.0	500.0	500.	180.	AG	610.	6.6	.0	56.0		
5. SBD	476.0	500.0	476.0	.0	500.	180.	AG	530.	6.6	.0	56.0		
6. SBQ	476.0	536.0	476.0	582.6	47.	360.	AG	206.	100.0	.0	36.0	.59	2.4
7. EBA	.0	482.0	500.0	482.0	500.	90.	AG	1485.	6.6	.0	68.0		
8. EBD	500.0	482.0	1000.0	482.0	500.	90.	AG	1490.	6.6	.0	68.0		
9. EBQ	452.0	482.0	421.6	482.0	30.	270.	AG	98.	100.0	.0	48.0	.35	1.5
10. WBA	1000.0	518.0	500.0	518.0	500.	270.	AG	1465.	6.6	.0	68.0		
11. WBD	500.0	518.0	.0	518.0	500.	270.	AG	1505.	6.6	.0	68.0		
12. WBQ	548.0	518.0	578.0	518.0	30.	90.	AG	98.	100.0	.0	48.0	-.81	1.5

JOB: Doheny and Wilshire - Existing RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 13:52: 1

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. NBQ	60	42	3.0	455	1600	36.64	3	3
6. SBQ	60	42	3.0	610	1600	36.64	3	3
9. EBQ	60	15	3.0	1485	1600	36.64	3	3
12. WBQ	60	15	60.0	1465	1600	36.64	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	454.0	558.0	5.4
2. NE1	546.0	558.0	5.4
3. SW1	454.0	442.0	5.4
4. SE1	546.0	442.0	5.4
5. NW8	441.0	571.0	5.4
6. NE8	559.0	571.0	5.4
7. SW8	441.0	429.0	5.4
8. SE8	559.0	429.0	5.4

JOB: Doheny and Wilshire - Existing 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	REC5	REC6	REC7	REC8
0.	.3	.3	1.1	.9	.1	.1	1.0	.8
10.	.7	.1	1.3	.8	.4	.0	1.2	.5
20.	.7	.0	1.0	.6	.3	.0	1.2	.5
30.	.7	.0	.8	.6	.3	.0	1.0	.5
40.	.8	.0	.8	.5	.3	.0	.7	.5
50.	.9	.0	.8	.7	.2	.0	.8	.5
60.	.9	.0	1.1	.7	.3	.0	1.1	.7
70.	.9	.0	1.3	1.0	.5	.0	1.3	.8
80.	.9	.0	1.6	1.0	.7	.0	1.3	.7
90.	1.3	.3	1.0	.3	1.0	.1	.6	.1
100.	2.0	1.0	.4	.0	1.6	.6	.2	.0
110.	1.9	1.0	.3	.0	1.7	.8	.2	.0
120.	1.7	.8	.2	.0	1.6	.7	.2	.0
130.	1.2	.8	.2	.0	1.2	.6	.2	.0
140.	1.5	.8	.3	.0	1.1	.5	.2	.0
150.	1.3	.7	.3	.0	1.2	.6	.3	.0
160.	1.1	.8	.3	.0	.8	.5	.3	.0

170.	*	1.0	.8	.4	.1	1.0	.6	.3	.0
180.	*	.9	1.0	.3	.3	.8	.8	.1	.1
190.	*	.8	1.2	.1	.4	.5	1.1	.0	.3
200.	*	.6	1.0	.0	.4	.5	1.1	.0	.3
210.	*	.6	.7	.0	.4	.5	.8	.0	.2
220.	*	.6	.8	.0	.4	.5	.7	.0	.2
230.	*	.7	.9	.0	.5	.6	.9	.0	.2
240.	*	.7	1.1	.0	.6	.7	1.1	.0	.2
250.	*	1.0	1.3	.0	.8	.8	1.3	.0	.2
260.	*	1.0	1.6	.0	.9	.7	1.4	.0	.3
270.	*	.3	1.0	.3	1.3	.1	.7	.1	.7
280.	*	.0	.6	1.0	2.0	.0	.4	.7	1.5
290.	*	.0	.4	1.0	1.9	.0	.2	.8	1.7
300.	*	.0	.3	.8	1.7	.0	.2	.7	1.6
310.	*	.0	.2	.8	1.2	.0	.2	.6	1.2
320.	*	.0	.2	.8	1.4	.0	.2	.5	1.3
330.	*	.0	.3	.7	1.3	.0	.2	.6	1.2
340.	*	.0	.4	.8	1.2	.0	.3	.6	.9
350.	*	.1	.4	.8	1.0	.0	.3	.6	.8
360.	*	.3	.3	1.1	.9	.1	.1	1.0	.8
MAX	*	2.0	1.6	1.6	2.0	1.7	1.4	1.3	1.7
DEGR.	*	100	260	80	280	110	260	70	290

THE HIGHEST CONCENTRATION OF 2.00 PPM OCCURRED AT RECEPTOR REC1 .

JOB: Doheny and Wilshire - No Project RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 14: 8:37

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	524.0	.0	524.0	500.0	500.	360.	AG	480.	5.7	.0	56.0		
2. NBD	524.0	500.0	524.0	1000.0	500.	360.	AG	510.	5.7	.0	56.0		
3. NBQ	524.0	464.0	524.0	420.3	44.	180.	AG	191.	100.0	.0	36.0	.67	2.2
4. SBA	476.0	1000.0	476.0	500.0	500.	180.	AG	635.	5.7	.0	56.0		
5. SBD	476.0	500.0	476.0	.0	500.	180.	AG	550.	5.7	.0	56.0		
6. SBQ	476.0	536.0	476.0	618.7	83.	360.	AG	191.	100.0	.0	36.0	.88	4.2
7. EBA	.0	482.0	500.0	482.0	500.	90.	AG	2390.	5.7	.0	68.0		
8. EBD	500.0	482.0	1000.0	482.0	500.	90.	AG	2385.	5.7	.0	68.0		
9. EBQ	452.0	482.0	416.1	482.0	36.	270.	AG	61.	100.0	.0	48.0	.51	1.8
10. WBA	1000.0	518.0	500.0	518.0	500.	270.	AG	2505.	5.7	.0	68.0		
11. WBD	500.0	518.0	.0	518.0	500.	270.	AG	2565.	5.7	.0	68.0		
12. WBQ	548.0	518.0	605.6	518.0	58.	90.	AG	61.	100.0	.0	48.0	****	2.9

JOB: Doheny and Wilshire - No Project RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 14: 8:37

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. NBQ	60	46	3.0	480	1600	31.02	3	3
6. SBQ	60	46	3.0	635	1600	31.02	3	3
9. EBQ	60	11	3.0	2390	1600	31.02	3	3
12. WBQ	60	11	60.0	2505	1600	31.02	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	454.0	558.0	5.4
2. NE1	546.0	558.0	5.4
3. SW1	454.0	442.0	5.4
4. SE1	546.0	442.0	5.4
5. NW8	441.0	571.0	5.4
6. NE8	559.0	571.0	5.4
7. SW8	441.0	429.0	5.4
8. SE8	559.0	429.0	5.4

JOB: Doheny and Wilshire - No Project 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	REC5	REC6	REC7	REC8
0.	.5	.2	1.4	1.1	.1	.1	1.0	.9
10.	.9	.1	1.6	.9	.4	.0	1.4	.7
20.	1.1	.0	1.2	.8	.4	.0	1.3	.7
30.	1.2	.0	1.0	.9	.6	.0	1.1	.8
40.	1.1	.0	1.0	1.0	.7	.0	.9	.7
50.	.9	.0	1.0	.9	.8	.0	.9	.9
60.	.9	.0	1.3	1.0	.8	.0	1.4	.9
70.	.8	.0	1.7	1.3	.7	.0	1.7	1.1
80.	.8	.0	2.0	1.3	.7	.0	1.7	.9
90.	1.5	.6	1.2	.5	1.1	.2	.9	.2
100.	2.4	1.4	.5	.0	1.8	1.0	.3	.0
110.	2.2	1.4	.4	.0	2.0	1.1	.2	.0
120.	1.9	1.1	.2	.0	1.9	1.0	.2	.0
130.	1.5	1.1	.2	.0	1.4	.9	.2	.0
140.	1.6	1.0	.2	.0	1.4	.8	.2	.0
150.	1.6	.9	.3	.0	1.3	.8	.2	.0
160.	1.3	.9	.3	.0	1.1	.9	.3	.0

170.	*	1.2	.9	.4	.1	1.1	.8	.3	.0
180.	*	1.1	1.2	.3	.2	.9	1.0	.1	.1
190.	*	.9	1.4	.1	.5	.8	1.3	.0	.3
200.	*	.8	1.2	.0	.5	.7	1.2	.0	.3
210.	*	.8	1.0	.0	.5	.7	1.0	.0	.2
220.	*	.8	1.0	.0	.6	.7	.9	.0	.2
230.	*	.9	1.2	.0	.7	.8	1.0	.0	.2
240.	*	1.0	1.3	.0	.8	1.0	1.3	.0	.3
250.	*	1.3	1.7	.0	.9	1.1	1.7	.0	.4
260.	*	1.4	2.0	.0	.8	1.0	1.8	.0	.6
270.	*	.6	1.2	.5	1.5	.2	1.0	.2	1.1
280.	*	.0	.6	1.3	2.3	.0	.6	.9	1.8
290.	*	.0	.6	1.3	2.4	.0	.6	1.1	2.0
300.	*	.0	.6	1.2	1.8	.0	.4	.9	1.9
310.	*	.0	.5	1.0	1.5	.0	.2	.9	1.3
320.	*	.0	.3	1.0	1.6	.0	.2	.7	1.4
330.	*	.0	.2	1.0	1.7	.0	.2	.8	1.3
340.	*	.0	.3	.9	1.5	.0	.3	.7	1.1
350.	*	.1	.4	.9	1.2	.0	.3	.7	.9
360.	*	.5	.2	1.4	1.1	.1	.1	1.0	.9
MAX	*	2.4	2.0	2.0	2.4	2.0	1.8	1.7	2.0
DEGR.	*	100	260	80	290	110	260	70	290

THE HIGHEST CONCENTRATION OF 2.40 PPM OCCURRED AT RECEPTOR REC4 .

JOB: Doheny and Wilshire - With Project RUN: CAL3QHC RUN

DATE : 6/17/ 9
TIME : 15:12:57

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	524.0	.0	524.0	500.0	500.	360.	AG	490.	5.7	.0	56.0		
2. NBD	524.0	500.0	524.0	1000.0	500.	360.	AG	515.	5.7	.0	56.0		
3. NBQ	524.0	464.0	524.0	419.0	45.	180.	AG	191.	100.0	.0	36.0	.68	2.3
4. SBA	476.0	1000.0	476.0	500.0	500.	180.	AG	640.	5.7	.0	56.0		
5. SBD	476.0	500.0	476.0	.0	500.	180.	AG	560.	5.7	.0	56.0		
6. SBQ	476.0	536.0	476.0	621.4	85.	360.	AG	191.	100.0	.0	36.0	.89	4.3
7. EBA	.0	482.0	500.0	482.0	500.	90.	AG	2435.	5.7	.0	68.0		
8. EBD	500.0	482.0	1000.0	482.0	500.	90.	AG	2445.	5.7	.0	68.0		
9. EBQ	452.0	482.0	415.4	482.0	37.	270.	AG	61.	100.0	.0	48.0	.52	1.9
10. WBA	1000.0	518.0	500.0	518.0	500.	270.	AG	2555.	5.7	.0	68.0		
11. WBD	500.0	518.0	.0	518.0	500.	270.	AG	2600.	5.7	.0	68.0		
12. WBQ	548.0	518.0	608.5	518.0	60.	90.	AG	61.	100.0	.0	48.0	****	3.1

JOB: Doheny and Wilshire - With Project RUN: CAL3QHC RUN

DATE : 6/17/ 9
TIME : 15:12:57

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. NBQ	60	46	3.0	490	1600	31.02	3	3
6. SBQ	60	46	3.0	640	1600	31.02	3	3
9. EBQ	60	11	3.0	2435	1600	31.02	3	3
12. WBQ	60	11	60.0	2555	1600	31.02	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	454.0	558.0	5.4
2. NE1	546.0	558.0	5.4
3. SW1	454.0	442.0	5.4
4. SE1	546.0	442.0	5.4
5. NW8	441.0	571.0	5.4
6. NE8	559.0	571.0	5.4
7. SW8	441.0	429.0	5.4
8. SE8	559.0	429.0	5.4

JOB: Doheny and Wilshire - With Project 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	REC5	REC6	REC7	REC8
0.	.5	.2	1.4	1.1	.1	.1	1.0	.9
10.	.9	.1	1.6	.9	.4	.0	1.5	.7
20.	1.1	.0	1.2	.8	.4	.0	1.3	.8
30.	1.2	.0	1.0	.9	.6	.0	1.1	.8
40.	1.1	.0	1.0	1.0	.7	.0	.9	.7
50.	.9	.0	1.1	.9	.8	.0	.9	.9
60.	.9	.0	1.3	1.1	.8	.0	1.4	.9
70.	.8	.0	1.8	1.3	.7	.0	1.7	1.2
80.	.8	.0	2.0	1.4	.7	.0	1.7	.9
90.	1.5	.6	1.2	.5	1.1	.2	.9	.2
100.	2.4	1.4	.5	.0	1.9	1.0	.3	.0
110.	2.2	1.4	.4	.0	2.0	1.2	.2	.0
120.	1.9	1.1	.2	.0	1.9	1.0	.2	.0
130.	1.5	1.1	.2	.0	1.4	1.0	.2	.0
140.	1.7	1.1	.2	.0	1.4	.8	.2	.0
150.	1.6	.9	.3	.0	1.3	.9	.2	.0
160.	1.3	.9	.3	.0	1.1	.9	.3	.0
170.	1.2	.9	.4	.1	1.1	.8	.3	.0
180.	1.1	1.3	.3	.2	.9	1.0	.1	.1
190.	.9	1.4	.1	.5	.8	1.3	.0	.3
200.	.8	1.2	.0	.5	.7	1.2	.0	.3
210.	.8	1.0	.0	.5	.7	1.0	.0	.2
220.	.9	1.2	.0	.6	.7	.9	.0	.2
230.	.9	1.2	.0	.7	.9	1.0	.0	.2
240.	1.0	1.3	.0	.8	1.0	1.3	.0	.3
250.	1.3	1.7	.0	.9	1.2	1.7	.0	.4
260.	1.4	2.0	.0	.8	1.0	1.8	.0	.6
270.	.6	1.2	.5	1.5	.2	1.0	.2	1.1
280.	.0	.6	1.3	2.3	.0	.6	.9	1.8
290.	.0	.6	1.3	2.4	.0	.6	1.2	2.0
300.	.0	.6	1.2	1.9	.0	.4	.9	1.9
310.	.0	.5	1.0	1.5	.0	.3	.9	1.3
320.	.0	.3	1.0	1.6	.0	.2	.7	1.4
330.	.0	.3	1.0	1.7	.0	.2	.8	1.4
340.	.0	.3	.9	1.5	.0	.3	.8	1.2
350.	.1	.4	.9	1.2	.0	.3	.7	.9
360.	.5	.2	1.4	1.1	.1	.1	1.0	.9
MAX	2.4	2.0	2.0	2.4	2.0	1.8	1.7	2.0
DEGR.	100	260	80	290	110	260	70	290

THE HIGHEST CONCENTRATION OF 2.40 PPM OCCURRED AT RECEPTOR REC4 .

JOB: La Cienega and Wilshire - Existing RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 13:33: 5

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	524.0	.0	524.0	500.0	500.	360.	AG	1350.	6.6	.0	68.0		
2. NBD	524.0	500.0	524.0	1000.0	500.	360.	AG	1400.	6.6	.0	68.0		
3. NBQ	524.0	452.0	524.0	405.9	46.	180.	AG	164.	100.0	.0	48.0	.42	2.3
4. SBA	476.0	1000.0	476.0	500.0	500.	180.	AG	1225.	6.6	.0	68.0		
5. SBD	476.0	500.0	476.0	.0	500.	180.	AG	1345.	6.6	.0	68.0		
6. SBQ	476.0	548.0	476.0	589.8	42.	360.	AG	164.	100.0	.0	48.0	.38	2.1
7. EBA	.0	476.0	500.0	476.0	500.	90.	AG	965.	6.6	.0	68.0		
8. EBD	500.0	476.0	1000.0	476.0	500.	90.	AG	825.	6.6	.0	68.0		
9. EBQ	452.0	476.0	409.8	476.0	42.	270.	AG	210.	100.0	.0	48.0	.39	2.1
10. WBA	1000.0	524.0	500.0	524.0	500.	270.	AG	1105.	6.6	.0	68.0		
11. WBD	500.0	524.0	.0	524.0	500.	270.	AG	1075.	6.6	.0	68.0		
12. WBQ	548.0	524.0	596.3	524.0	48.	90.	AG	210.	100.0	.0	48.0	-.30	2.5

JOB: La Cienega and Wilshire - Existing RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 13:33: 5

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. NBQ	60	25	3.0	1350	1600	36.64	3	3
6. SBQ	60	25	3.0	1225	1600	36.64	3	3
9. EBQ	60	32	3.0	965	1600	36.64	3	3
12. WBQ	60	32	60.0	1105	1600	36.64	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	442.0	558.0	5.4
2. NE1	558.0	558.0	5.4
3. SW1	442.0	442.0	5.4
4. SE1	558.0	442.0	5.4
5. NW8	429.0	571.0	5.4
6. NE8	571.0	571.0	5.4
7. SW8	429.0	429.0	5.4
8. SE8	571.0	429.0	5.4

JOB: La Cienega and Wilshire - Existing 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	REC5	REC6	REC7	REC8
0.	.4	.5	1.6	1.3	.2	.2	1.1	.9
10.	.8	.1	2.0	.9	.5	.0	1.5	.5
20.	.9	.0	1.7	.7	.7	.0	1.6	.4
30.	.9	.0	1.3	.5	.6	.0	1.3	.4
40.	.8	.0	1.1	.4	.5	.0	1.0	.4
50.	.9	.0	1.2	.4	.5	.0	1.2	.4
60.	.9	.0	1.4	.5	.5	.0	1.1	.4
70.	.9	.0	1.3	.6	.7	.0	1.1	.5
80.	.9	.1	1.2	.6	.8	.0	1.1	.4
90.	1.5	.4	1.1	.3	1.0	.1	.8	.1
100.	2.0	.7	.8	.1	1.5	.5	.6	.0
110.	1.6	.8	.7	.0	1.6	.6	.5	.0
120.	1.3	.8	.6	.0	1.2	.5	.5	.0
130.	1.0	.8	.5	.0	.9	.5	.5	.0
140.	1.0	.9	.6	.0	1.0	.4	.5	.0
150.	1.2	.9	.7	.0	1.2	.6	.7	.0
160.	1.2	.9	.8	.0	1.1	.8	.8	.0

170.	*	1.5	.9	.9	.1	1.3	.8	.6	.0
180.	*	1.2	1.5	.5	.5	.9	1.1	.2	.2
190.	*	.7	2.1	.1	.9	.5	1.7	.0	.6
200.	*	.6	1.6	.0	.9	.4	1.6	.0	.8
210.	*	.5	1.2	.0	.9	.3	1.2	.0	.7
220.	*	.5	1.1	.0	.9	.3	1.0	.0	.5
230.	*	.5	1.1	.0	.9	.5	1.1	.0	.6
240.	*	.5	1.2	.0	1.0	.5	1.2	.0	.7
250.	*	.6	1.3	.0	1.0	.6	1.1	.0	.7
260.	*	.7	1.4	.1	1.0	.5	1.2	.0	.8
270.	*	.4	1.2	.3	1.5	.1	1.0	.1	1.0
280.	*	.1	.8	.7	1.8	.0	.6	.4	1.6
290.	*	.0	.7	.7	1.5	.0	.4	.5	1.4
300.	*	.0	.6	.7	1.2	.0	.5	.5	1.2
310.	*	.0	.5	.8	1.1	.0	.5	.4	1.0
320.	*	.0	.6	.9	1.1	.0	.5	.5	1.0
330.	*	.0	.6	1.0	1.2	.0	.6	.6	1.0
340.	*	.0	.9	1.0	1.3	.0	.7	.7	1.1
350.	*	.1	.9	.9	1.5	.0	.6	.8	1.3
360.	*	.4	.5	1.6	1.3	.2	.2	1.1	.9
MAX	*	2.0	2.1	2.0	1.8	1.6	1.7	1.6	1.6
DEGR.	*	100	190	10	280	110	190	20	280

THE HIGHEST CONCENTRATION OF 2.10 PPM OCCURRED AT RECEPTOR REC2 .

JOB: La Cienega and Wilshire - No Project RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 13:40: 1

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	524.0	.0	524.0	500.0	500.	360.	AG	1660.	5.7	.0	68.0		
2. NBD	524.0	500.0	524.0	1000.0	500.	360.	AG	1705.	5.7	.0	68.0		
3. NBQ	524.0	452.0	524.0	379.4	73.	180.	AG	178.	100.0	.0	48.0	.68	3.7
4. SBA	476.0	1000.0	476.0	500.0	500.	180.	AG	1530.	5.7	.0	68.0		
5. SBD	476.0	500.0	476.0	.0	500.	180.	AG	1655.	5.7	.0	68.0		
6. SBQ	476.0	548.0	476.0	614.8	67.	360.	AG	178.	100.0	.0	48.0	.62	3.4
7. EBA	.0	476.0	500.0	476.0	500.	90.	AG	1880.	5.7	.0	68.0		
8. EBD	500.0	476.0	1000.0	476.0	500.	90.	AG	1725.	5.7	.0	68.0		
9. EBQ	452.0	476.0	387.8	476.0	64.	270.	AG	139.	100.0	.0	48.0	.59	3.3
10. WBA	1000.0	524.0	500.0	524.0	500.	270.	AG	2120.	5.7	.0	68.0		
11. WBD	500.0	524.0	.0	524.0	500.	270.	AG	2105.	5.7	.0	68.0		
12. WBQ	548.0	524.0	620.5	524.0	72.	90.	AG	139.	100.0	.0	48.0	-.74	3.7

JOB: La Cienega and Wilshire - No Project RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 13:40: 1

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. NBQ	60	32	3.0	1660	1600	31.02	3	3
6. SBQ	60	32	3.0	1530	1600	31.02	3	3
9. EBQ	60	25	3.0	1880	1600	31.02	3	3
12. WBQ	60	25	60.0	2120	1600	31.02	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	442.0	558.0	5.4
2. NE1	558.0	558.0	5.4
3. SW1	442.0	442.0	5.4
4. SE1	558.0	442.0	5.4
5. NW8	429.0	571.0	5.4
6. NE8	571.0	571.0	5.4
7. SW8	429.0	429.0	5.4
8. SE8	571.0	429.0	5.4

JOB: La Cienega and Wilshire - No Project 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	REC5	REC6	REC7	REC8
0.	.4	.5	1.7	1.3	.2	.2	1.1	1.0
10.	1.0	.1	2.2	1.0	.6	.0	1.9	.8
20.	1.1	.0	2.0	.9	.7	.0	1.8	.8
30.	1.2	.0	1.6	.9	.8	.0	1.6	.7
40.	1.2	.0	1.2	.7	.7	.0	1.1	.6
50.	1.1	.0	1.3	.7	.9	.0	1.3	.6
60.	1.1	.0	1.7	.9	.9	.0	1.4	.7
70.	1.0	.0	1.7	1.0	.9	.0	1.7	.9
80.	1.2	.1	1.8	1.1	.9	.0	1.5	.7
90.	1.9	.6	1.5	.5	1.2	.2	1.0	.2
100.	2.5	1.2	1.1	.1	2.1	.8	.7	.0
110.	2.0	1.3	.9	.0	2.0	.9	.8	.0
120.	1.6	1.3	.8	.0	1.6	.9	.6	.0
130.	1.3	1.3	.7	.0	1.1	.8	.5	.0
140.	1.4	1.1	.7	.0	1.2	.9	.5	.0
150.	1.7	1.0	.7	.0	1.5	.9	.7	.0
160.	1.7	1.0	.9	.0	1.5	.9	.8	.0

170.	*	1.8	1.1	.9	.1	1.4	.9	.6	.0
180.	*	1.4	1.7	.5	.5	1.0	1.1	.2	.2
190.	*	1.0	2.3	.1	1.0	.8	1.9	.0	.6
200.	*	.9	2.0	.0	1.3	.7	1.9	.0	.8
210.	*	.9	1.7	.0	1.2	.6	1.6	.0	.8
220.	*	.8	1.3	.0	1.3	.6	1.2	.0	.8
230.	*	.8	1.3	.0	1.1	.7	1.2	.0	.9
240.	*	.9	1.5	.0	1.1	.8	1.6	.0	1.0
250.	*	1.1	1.7	.0	1.0	.9	1.8	.0	1.0
260.	*	1.1	1.9	.1	1.1	.8	1.8	.0	.9
270.	*	.6	1.6	.5	1.8	.2	1.1	.2	1.3
280.	*	.1	1.1	1.2	2.4	.0	.8	.8	2.1
290.	*	.0	.9	1.2	1.9	.0	.8	1.0	2.0
300.	*	.0	.8	1.2	1.7	.0	.6	.8	1.5
310.	*	.0	.6	1.1	1.3	.0	.5	.8	1.3
320.	*	.0	.6	1.1	1.4	.0	.5	.9	1.2
330.	*	.0	.7	1.0	1.7	.0	.6	.9	1.4
340.	*	.0	.9	1.0	1.6	.0	.8	1.0	1.5
350.	*	.1	1.0	.9	1.8	.0	.6	.9	1.5
360.	*	.4	.5	1.7	1.3	.2	.2	1.1	1.0
MAX	*	2.5	2.3	2.2	2.4	2.1	1.9	1.9	2.1
DEGR.	*	100	190	10	280	100	200	10	280

THE HIGHEST CONCENTRATION OF 2.50 PPM OCCURRED AT RECEPTOR REC1 .

JOB: La Cienega and Wilshire - With Project RUN: CAL3QHC RUN

DATE : 6/17/ 9
TIME : 15:17:30

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	524.0	.0	524.0	500.0	500.	360.	AG	1675.	5.7	.0	68.0		
2. NBD	524.0	500.0	524.0	1000.0	500.	360.	AG	1705.	5.7	.0	68.0		
3. NBQ	524.0	452.0	524.0	378.9	73.	180.	AG	178.	100.0	.0	48.0	.68	3.7
4. SBA	476.0	1000.0	476.0	500.0	500.	180.	AG	1570.	5.7	.0	68.0		
5. SBD	476.0	500.0	476.0	.0	500.	180.	AG	1665.	5.7	.0	68.0		
6. SBQ	476.0	548.0	476.0	616.6	69.	360.	AG	178.	100.0	.0	48.0	.64	3.5
7. EBA	.0	476.0	500.0	476.0	500.	90.	AG	1880.	5.7	.0	68.0		
8. EBD	500.0	476.0	1000.0	476.0	500.	90.	AG	1745.	5.7	.0	68.0		
9. EBQ	452.0	476.0	387.8	476.0	64.	270.	AG	139.	100.0	.0	48.0	.59	3.3
10. WBA	1000.0	524.0	500.0	524.0	500.	270.	AG	2145.	5.7	.0	68.0		
11. WBD	500.0	524.0	.0	524.0	500.	270.	AG	2155.	5.7	.0	68.0		
12. WBQ	548.0	524.0	621.3	524.0	73.	90.	AG	139.	100.0	.0	48.0	-.75	3.7

JOB: La Cienega and Wilshire - With Project RUN: CAL3QHC RUN

DATE : 6/17/ 9
TIME : 15:17:30

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. NBQ	60	32	3.0	1675	1600	31.02	3	3
6. SBQ	60	32	3.0	1570	1600	31.02	3	3
9. EBQ	60	25	3.0	1880	1600	31.02	3	3
12. WBQ	60	25	60.0	2145	1600	31.02	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	442.0	558.0	5.4
2. NE1	558.0	558.0	5.4
3. SW1	442.0	442.0	5.4
4. SE1	558.0	442.0	5.4
5. NW8	429.0	571.0	5.4
6. NE8	571.0	571.0	5.4
7. SW8	429.0	429.0	5.4
8. SE8	571.0	429.0	5.4

JOB: La Cienega and Wilshire - With Project 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	REC5	REC6	REC7	REC8
0.	.5	.5	1.7	1.3	.2	.2	1.1	1.0
10.	1.0	.1	2.3	1.0	.6	.0	1.9	.8
20.	1.1	.0	2.0	.9	.8	.0	1.8	.8
30.	1.2	.0	1.6	.9	.8	.0	1.6	.7
40.	1.3	.0	1.2	.8	.7	.0	1.1	.6
50.	1.1	.0	1.3	.7	.9	.0	1.3	.6
60.	1.1	.0	1.7	.9	1.0	.0	1.4	.7
70.	1.0	.0	1.7	1.0	.9	.0	1.7	.9
80.	1.2	.1	1.8	1.1	.9	.0	1.5	.7
90.	1.9	.6	1.5	.5	1.2	.2	1.1	.2
100.	2.6	1.3	1.1	.1	2.1	.9	.7	.0
110.	2.1	1.3	.9	.0	2.0	.9	.8	.0
120.	1.6	1.3	.8	.0	1.7	.9	.7	.0
130.	1.3	1.3	.7	.0	1.2	.8	.5	.0
140.	1.4	1.1	.7	.0	1.2	.9	.5	.0
150.	1.7	1.0	.7	.0	1.5	.9	.7	.0
160.	1.7	1.0	.9	.0	1.5	.9	.8	.0
170.	1.8	1.1	.9	.1	1.5	.9	.6	.0
180.	1.4	1.7	.5	.5	1.0	1.1	.2	.2
190.	1.0	2.3	.1	1.1	.8	1.9	.0	.6
200.	.9	2.0	.0	1.3	.7	1.9	.0	.8
210.	.9	1.7	.0	1.2	.7	1.6	.0	.8
220.	.8	1.3	.0	1.3	.6	1.2	.0	.8
230.	.8	1.3	.0	1.1	.7	1.2	.0	.9
240.	.9	1.6	.0	1.1	.8	1.6	.0	1.0
250.	1.1	1.8	.0	1.0	.9	1.8	.0	1.0
260.	1.2	2.0	.1	1.1	.9	1.8	.0	.9
270.	.6	1.6	.5	1.8	.2	1.1	.2	1.3
280.	.1	1.1	1.2	2.4	.0	.8	.8	2.1
290.	.0	.9	1.2	1.9	.0	.8	1.0	2.0
300.	.0	.8	1.2	1.7	.0	.6	.8	1.5
310.	.0	.6	1.1	1.3	.0	.5	.8	1.3
320.	.0	.6	1.1	1.4	.0	.5	.9	1.3
330.	.0	.7	1.0	1.7	.0	.7	.9	1.4
340.	.0	.9	1.0	1.6	.0	.8	1.0	1.5
350.	.1	1.0	1.0	1.8	.0	.6	.9	1.5
360.	.5	.5	1.7	1.3	.2	.2	1.1	1.0
MAX	2.6	2.3	2.3	2.4	2.1	1.9	1.9	2.1
DEGR.	100	190	10	280	100	200	10	280

THE HIGHEST CONCENTRATION OF 2.60 PPM OCCURRED AT RECEPTOR REC1 .

JOB: Robertson and Wilshire - Existing RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 14:22:51

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	518.0	.0	518.0	500.0	500.	360.	AG	790.	6.6	.0	56.0		
2. NBD	518.0	500.0	518.0	1000.0	500.	360.	AG	715.	6.6	.0	56.0		
3. NBQ	518.0	452.0	518.0	401.7	50.	180.	AG	172.	100.0	.0	36.0	.49	2.6
4. SBA	482.0	1000.0	482.0	500.0	500.	180.	AG	665.	6.6	.0	56.0		
5. SBD	482.0	500.0	482.0	.0	500.	180.	AG	720.	6.6	.0	56.0		
6. SBQ	482.0	548.0	482.0	590.3	42.	360.	AG	172.	100.0	.0	36.0	.41	2.1
7. EBA	.0	476.0	500.0	476.0	500.	90.	AG	1160.	6.6	.0	68.0		
8. EBD	500.0	476.0	1000.0	476.0	500.	90.	AG	1055.	6.6	.0	68.0		
9. EBQ	464.0	476.0	429.1	476.0	35.	270.	AG	144.	100.0	.0	48.0	.33	1.8
10. WBA	1000.0	524.0	500.0	524.0	500.	270.	AG	1090.	6.6	.0	68.0		
11. WBD	500.0	524.0	.0	524.0	500.	270.	AG	1215.	6.6	.0	68.0		
12. WBQ	536.0	524.0	568.7	524.0	33.	90.	AG	144.	100.0	.0	48.0	-.43	1.7

JOB: Robertson and Wilshire - Existing RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 14:22:51

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. NBQ	60	35	3.0	790	1600	36.64	3	3
6. SBQ	60	35	3.0	665	1600	36.64	3	3
9. EBQ	60	22	3.0	1160	1600	36.64	3	3
12. WBQ	60	22	60.0	1090	1600	36.64	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	454.0	558.0	5.4
2. NE1	546.0	558.0	5.4
3. SW1	454.0	442.0	5.4
4. SE1	546.0	442.0	5.4
5. NW8	441.0	571.0	5.4
6. NE8	559.0	571.0	5.4
7. SW8	441.0	429.0	5.4
8. SE8	559.0	429.0	5.4

JOB: Robertson and Wilshire - Existing 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	REC5	REC6	REC7	REC8
0.	.3	.3	1.2	.9	.1	.1	.9	.6
10.	.6	.1	1.5	.6	.4	.0	1.5	.4
20.	.6	.0	1.3	.5	.4	.0	1.4	.4
30.	.7	.0	.9	.4	.3	.0	1.0	.4
40.	.7	.0	.8	.4	.3	.0	.7	.4
50.	.8	.0	1.0	.5	.3	.0	.9	.4
60.	.7	.0	1.0	.5	.4	.0	.8	.5
70.	.7	.0	1.0	.7	.5	.0	.9	.6
80.	.7	.1	1.2	.8	.6	.0	1.1	.5
90.	1.1	.4	1.0	.4	.9	.1	.7	.1
100.	1.6	.8	.6	.1	1.4	.5	.5	.0
110.	1.5	.6	.6	.0	1.3	.6	.4	.0
120.	1.0	.6	.6	.0	1.0	.5	.2	.0
130.	1.0	.6	.4	.0	.8	.5	.3	.0
140.	.8	.7	.4	.0	.6	.4	.3	.0
150.	1.1	.7	.4	.0	1.0	.4	.4	.0
160.	1.0	.8	.5	.0	1.0	.4	.5	.0

170.	*	1.1	.7	.6	.1	1.1	.5	.4	.0
180.	*	1.1	1.2	.3	.3	.7	.9	.1	.1
190.	*	.6	1.5	.1	.7	.5	1.4	.0	.4
200.	*	.5	1.2	.0	.7	.4	1.3	.0	.5
210.	*	.5	.9	.0	.9	.4	1.0	.0	.3
220.	*	.5	.8	.0	.8	.5	.8	.0	.4
230.	*	.5	1.0	.0	.9	.5	.8	.0	.5
240.	*	.6	1.0	.0	.9	.5	.8	.0	.6
250.	*	.8	.9	.0	.8	.6	1.0	.0	.6
260.	*	.8	1.2	.1	.8	.5	1.2	.0	.7
270.	*	.4	1.1	.4	1.2	.2	.7	.2	.9
280.	*	.1	.6	.8	1.7	.0	.4	.5	1.4
290.	*	.0	.5	.8	1.5	.0	.3	.6	1.5
300.	*	.0	.5	.7	1.1	.0	.2	.5	1.1
310.	*	.0	.3	.7	.9	.0	.3	.5	.8
320.	*	.0	.3	.7	.9	.0	.3	.4	.8
330.	*	.0	.3	.7	1.0	.0	.3	.4	.9
340.	*	.0	.5	.8	1.1	.0	.5	.5	1.0
350.	*	.1	.6	.8	1.1	.0	.4	.7	.9
360.	*	.3	.3	1.2	.9	.1	.1	.9	.6
MAX	*	1.6	1.5	1.5	1.7	1.4	1.4	1.5	1.5
DEGR.	*	100	190	10	280	100	190	10	290

THE HIGHEST CONCENTRATION OF 1.70 PPM OCCURRED AT RECEPTOR REC4 .

JOB: Robertson and Wilshire - No Project RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 14:27:27

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	518.0	.0	518.0	500.0	500.	360.	AG	1070.	5.7	.0	56.0		
2. NBD	518.0	500.0	518.0	1000.0	500.	360.	AG	1005.	5.7	.0	56.0		
3. NBQ	518.0	452.0	518.0	367.0	85.	180.	AG	158.	100.0	.0	36.0	.79	4.3
4. SBA	482.0	1000.0	482.0	500.0	500.	180.	AG	950.	5.7	.0	56.0		
5. SBD	482.0	500.0	482.0	.0	500.	180.	AG	1000.	5.7	.0	56.0		
6. SBQ	482.0	548.0	482.0	615.7	68.	360.	AG	158.	100.0	.0	36.0	.70	3.4
7. EBA	.0	476.0	500.0	476.0	500.	90.	AG	2050.	5.7	.0	68.0		
8. EBD	500.0	476.0	1000.0	476.0	500.	90.	AG	1940.	5.7	.0	68.0		
9. EBQ	464.0	476.0	410.8	476.0	53.	270.	AG	105.	100.0	.0	48.0	.53	2.7
10. WBA	1000.0	524.0	500.0	524.0	500.	270.	AG	2135.	5.7	.0	68.0		
11. WBD	500.0	524.0	.0	524.0	500.	270.	AG	2260.	5.7	.0	68.0		
12. WBQ	536.0	524.0	591.4	524.0	55.	90.	AG	105.	100.0	.0	48.0	-.95	2.8

JOB: Robertson and Wilshire - No Project RUN: CAL3QHC RUN

DATE : 6/ 8/ 6
TIME : 14:27:27

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. NBQ	60	38	3.0	1070	1600	31.02	3	3
6. SBQ	60	38	3.0	950	1600	31.02	3	3
9. EBQ	60	19	3.0	2050	1600	31.02	3	3
12. WBQ	60	19	60.0	2135	1600	31.02	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	454.0	558.0	5.4
2. NE1	546.0	558.0	5.4
3. SW1	454.0	442.0	5.4
4. SE1	546.0	442.0	5.4
5. NW8	441.0	571.0	5.4
6. NE8	559.0	571.0	5.4
7. SW8	441.0	429.0	5.4
8. SE8	559.0	429.0	5.4

JOB: Robertson and Wilshire - No Project 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	REC5	REC6	REC7	REC8
0.	.3	.3	1.6	1.3	.1	.1	1.1	.9
10.	.8	.1	1.9	.8	.4	.0	1.6	.7
20.	1.0	.0	1.5	.8	.5	.0	1.4	.7
30.	1.0	.0	1.3	.7	.5	.0	1.2	.6
40.	1.0	.0	1.2	.7	.7	.0	1.2	.6
50.	1.0	.0	1.4	.7	.7	.0	1.2	.7
60.	.9	.0	1.4	.9	.8	.0	1.2	.8
70.	.8	.0	1.4	1.1	.6	.0	1.4	1.0
80.	1.0	.1	1.8	1.2	.6	.0	1.5	.8
90.	1.8	.6	1.3	.6	1.0	.2	.9	.2
100.	2.2	1.3	.7	.1	1.7	.9	.6	.0
110.	2.0	1.2	.7	.0	1.8	.9	.6	.0
120.	1.4	1.1	.8	.0	1.4	.8	.6	.0
130.	1.3	1.1	.7	.0	1.3	.8	.5	.0
140.	1.3	1.0	.6	.0	1.1	.7	.4	.0
150.	1.3	1.0	.6	.0	1.4	.7	.4	.0
160.	1.5	.9	.6	.0	1.2	.8	.5	.0

170.	*	1.5	.9	.7	.1	1.1	.8	.4	.0
180.	*	1.3	1.6	.3	.4	1.0	1.1	.1	.1
190.	*	.8	2.0	.1	.9	.7	1.7	.0	.5
200.	*	.9	1.5	.0	1.1	.6	1.5	.0	.6
210.	*	.8	1.2	.0	1.2	.7	1.1	.0	.7
220.	*	.8	1.3	.0	1.1	.7	1.2	.0	.8
230.	*	.8	1.4	.0	1.0	.8	1.3	.0	.8
240.	*	1.0	1.4	.0	.9	.8	1.2	.0	.8
250.	*	1.2	1.5	.0	.8	1.1	1.4	.0	.7
260.	*	1.3	1.8	.1	.9	.9	1.6	.0	.7
270.	*	.7	1.4	.6	1.5	.3	.9	.2	1.0
280.	*	.1	.7	1.2	2.3	.0	.6	.8	1.8
290.	*	.1	.7	1.3	2.0	.0	.6	1.0	1.9
300.	*	.0	.7	1.1	1.5	.0	.5	.9	1.5
310.	*	.0	.5	1.1	1.3	.0	.3	.7	1.1
320.	*	.0	.5	1.0	1.2	.0	.3	.8	1.1
330.	*	.0	.5	1.0	1.3	.0	.4	.8	1.3
340.	*	.0	.6	.9	1.3	.0	.5	.9	1.2
350.	*	.1	.7	.9	1.6	.0	.4	.9	1.1
360.	*	.3	.3	1.6	1.3	.1	.1	1.1	.9
MAX	*	2.2	2.0	1.9	2.3	1.8	1.7	1.6	1.9
DEGR.	*	100	190	10	280	110	190	10	290

THE HIGHEST CONCENTRATION OF 2.30 PPM OCCURRED AT RECEPTOR REC4 .

JOB: Robertson and Wilshire - With Project RUN: CAL3QHC RUN

DATE : 6/17/ 9
TIME : 15:21: 6

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

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. NBA	518.0	.0	518.0	500.0	500.	360.	AG	1095.	5.7	.0	56.0		
2. NBD	518.0	500.0	518.0	1000.0	500.	360.	AG	1160.	5.7	.0	56.0		
3. NBQ	518.0	452.0	518.0	362.0	90.	180.	AG	158.	100.0	.0	36.0	.81	4.6
4. SBA	482.0	1000.0	482.0	500.0	500.	180.	AG	950.	5.7	.0	56.0		
5. SBD	482.0	500.0	482.0	.0	500.	180.	AG	1020.	5.7	.0	56.0		
6. SBQ	482.0	548.0	482.0	615.7	68.	360.	AG	158.	100.0	.0	36.0	.70	3.4
7. EBA	.0	476.0	500.0	476.0	500.	90.	AG	2105.	5.7	.0	68.0		
8. EBD	500.0	476.0	1000.0	476.0	500.	90.	AG	1940.	5.7	.0	68.0		
9. EBQ	464.0	476.0	409.4	476.0	55.	270.	AG	105.	100.0	.0	48.0	.55	2.8
10. WBA	1000.0	524.0	500.0	524.0	500.	270.	AG	2270.	5.7	.0	68.0		
11. WBD	500.0	524.0	.0	524.0	500.	270.	AG	2300.	5.7	.0	68.0		
12. WBQ	536.0	524.0	594.9	524.0	59.	90.	AG	105.	100.0	.0	48.0	****	3.0

JOB: Robertson and Wilshire - With Project RUN: CAL3QHC RUN

DATE : 6/17/ 9
TIME : 15:21: 6

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. NBQ	60	38	3.0	1095	1600	31.02	3	3
6. SBQ	60	38	3.0	950	1600	31.02	3	3
9. EBQ	60	19	3.0	2105	1600	31.02	3	3
12. WBQ	60	19	60.0	2270	1600	31.02	3	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. NW1	454.0	558.0	5.4
2. NE1	546.0	558.0	5.4
3. SW1	454.0	442.0	5.4
4. SE1	546.0	442.0	5.4
5. NW8	441.0	571.0	5.4
6. NE8	559.0	571.0	5.4
7. SW8	441.0	429.0	5.4
8. SE8	559.0	429.0	5.4

JOB: Robertson and Wilshire - With Project 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	REC5	REC6	REC7	REC8
0.	.3	.4	1.6	1.3	.1	.1	1.1	1.0
10.	.8	.1	2.1	.8	.5	.0	1.6	.8
20.	1.1	.0	1.7	.8	.5	.0	1.5	.7
30.	1.0	.0	1.4	.7	.5	.0	1.2	.6
40.	1.0	.0	1.3	.7	.7	.0	1.2	.6
50.	1.0	.0	1.4	.7	.8	.0	1.3	.7
60.	.9	.0	1.4	.9	.9	.0	1.3	.9
70.	.9	.1	1.5	1.2	.7	.0	1.4	1.0
80.	1.1	.1	1.8	1.2	.6	.0	1.5	.8
90.	1.9	.7	1.3	.6	1.0	.3	.9	.2
100.	2.3	1.4	.7	.1	1.7	.9	.6	.0
110.	2.1	1.4	.8	.0	1.8	1.0	.6	.0
120.	1.5	1.1	.8	.0	1.4	.8	.6	.0
130.	1.3	1.1	.8	.0	1.3	.9	.5	.0
140.	1.3	1.1	.7	.0	1.1	.8	.5	.0
150.	1.3	1.0	.6	.0	1.4	.8	.5	.0
160.	1.6	.9	.6	.0	1.3	.8	.5	.0
170.	1.7	.9	.7	.1	1.1	.8	.4	.0
180.	1.4	1.6	.3	.4	1.0	1.2	.1	.1
190.	.9	2.0	.1	1.0	.7	1.7	.0	.5
200.	.9	1.5	.0	1.1	.7	1.5	.0	.6
210.	.8	1.2	.0	1.2	.7	1.3	.0	.8
220.	.8	1.3	.0	1.1	.7	1.2	.0	.9
230.	.8	1.4	.0	1.0	.8	1.3	.0	.8
240.	1.0	1.4	.0	.9	.8	1.2	.0	.8
250.	1.2	1.5	.0	.8	1.1	1.4	.0	.7
260.	1.3	2.0	.1	.9	.9	1.6	.0	.7
270.	.7	1.5	.6	1.5	.3	.9	.2	1.0
280.	.1	.8	1.2	2.3	.0	.6	.9	1.8
290.	.1	.7	1.3	2.0	.0	.6	1.0	1.9
300.	.0	.7	1.2	1.5	.0	.5	.9	1.5
310.	.0	.5	1.1	1.3	.0	.3	.8	1.1
320.	.0	.6	1.0	1.2	.0	.3	.8	1.1
330.	.0	.5	1.0	1.3	.0	.5	.8	1.3
340.	.0	.6	1.0	1.3	.0	.6	.9	1.2
350.	.1	.8	1.0	1.6	.0	.5	.9	1.3
360.	.3	.4	1.6	1.3	.1	.1	1.1	1.0
MAX	2.3	2.0	2.1	2.3	1.8	1.7	1.6	1.9
DEGR.	100	190	10	280	110	190	10	290

THE HIGHEST CONCENTRATION OF 2.30 PPM OCCURRED AT RECEPTOR REC1 .

Appendix C

Greenhouse Gas Emission Calcuations

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OUTPUT SUMMARY

MOBILE EMISSIONS - WEEKDAY		
N_2O	CH_4	CO_2
137.40	7.69	3,583.93

MOBILE EMISSIONS - WEEKEND		
N_2O	CH_4	CO_2
26.65	1.49	694.83

NATURAL GAS EMISSIONS		
N_2O	CH_4	CO_2
0.06109	0.20690	119.14

ELECTRICITY EMISSIONS		
N_2O	CH_4	CO_2
1.6639	0.4203	479.8439

WATER CYCLE ELECTRICITY EMISSIONS		
N_2O	CH_4	CO_2
0.0554	0.0068	38.8963

TOTALS		
N_2O	CH_4	CO_2
166	10	4,917

NET EMISSIONS	
tons/year	5,093

California GHG Emissions Inventory	
528,820,000	Emissions Inventory (CO_2E)
9.63E-06	Proposed Project's Percent of Total

Title : GHG 2008
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2008/08/20 18:04:56
Scen Year: 2008 -- All model years in the range 1965 to 2008 selected
Season : Annual
Area : Los Angeles County Average
I/M Stat : Enhanced Interim (2005) -- Using I/M schedule for area 59 Los Angeles (SC)
Emissions: Tons Per Day

	Light Duty Passenger Cars				Light Duty Trucks				Medium Duty Trucks				Heavy Duty Trucks: Gasoline Trucks			Heavy Duty Trucks				
	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Diesel	Total	Non-cat	Cat	Total	Diesel Trucks	Total HD Trucks	Urban Buses	Motor-cycles	All Vehicles
Vehicles	53488.	3319590.	10057.	3383130.	28066.	1711100.	13597.	1752760.	9384.	660504.	23882.	693770.	5831.	53389.	59220.	73865.	133086.	4283.	135702.	6102740.
VMT/1000	878.	114657.	222.	115757.	665.	63801.	439.	64905.	211.	26031.	1266.	27508.	56.	1395.	1451.	7774.	9225.	467.	1001.	218863.
Trips	216127.	21008800.	55414.	21280400.	115372.	10857700.	83427.	11056500.	84436.	6489850.	287862.	6862150.	102177.	714404.	816581.	1324740.	2141330.	17131.	271376.	41628900.
Methane Emissions																				
Run Exh	0.35	3.78	0.00	4.13	0.27	2.54	0.00	2.81	0.09	1.37	0.01	1.47	0.02	0.15	0.18	0.41	0.59	0.03	0.27	9.31
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.04
Start Ex	0.09	0.67	0.00	0.75	0.05	0.37	0.00	0.42	0.04	0.33	0.00	0.37	0.09	0.07	0.16	0.00	0.16	0.00	0.05	1.76
Total Ex	0.43	4.45	0.00	4.88	0.31	2.92	0.00	3.23	0.13	1.71	0.01	1.85	0.11	0.23	0.34	0.44	0.78	0.03	0.32	11.11
Diurnal	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
Hot Soak	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
Running	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
Resting	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
Total	0.43	4.45	0.00	4.88	0.31	2.92	0.00	3.23	0.13	1.71	0.01	1.85	0.11	0.23	0.34	0.44	0.78	0.03	0.32	11.11
Carbon Monoxide Emissions																				
Run Exh	73.94	304.04	0.22	378.20	55.86	233.97	0.34	290.16	29.54	118.86	1.20	149.60	12.97	27.46	40.42	38.03	78.46	4.46	49.72	950.60
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.73	0.02	0.77	0.03	0.23	0.26	2.37	2.64	0.00	0.00	3.40
Start Ex	7.13	131.90	0.00	139.03	3.87	82.23	0.00	86.10	4.39	70.33	0.00	74.72	12.80	20.96	33.76	0.00	33.76	0.27	2.81	336.69
Total Ex	81.07	435.93	0.22	517.23	59.73	316.20	0.34	376.26	33.94	189.92	1.22	225.09	25.79	48.65	74.44	40.41	114.85	4.73	52.53	1290.69
Oxides of Nitrogen Emissions																				
Run Exh	4.17	29.33	0.36	33.86	3.12	30.24	0.71	34.08	1.37	20.13	8.53	30.03	0.37	6.14	6.51	130.64	137.15	9.33	1.39	245.83
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.07	0.00	0.00	0.00	5.19	5.19	0.00	0.00	5.26
Start Ex	0.34	8.75	0.00	9.09	0.18	7.13	0.00	7.31	0.12	9.61	0.00	9.73	0.20	2.69	2.89	0.00	2.89	0.03	0.09	29.15
Total Ex	4.51	38.08	0.36	42.94	3.30	37.38	0.71	41.39	1.50	29.74	8.59	39.83	0.57	8.83	9.41	135.83	145.24	9.35	1.48	280.25
Carbon Dioxide Emissions (000)																				
Run Exh	0.53	50.77	0.09	51.38	0.40	34.97	0.17	35.54	0.16	19.61	0.72	20.49	0.04	1.04	1.08	14.77	15.85	1.21	0.15	124.62
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.03	0.00	0.01	0.01	0.32	0.33	0.00	0.00	0.36
Start Ex	0.05	1.69	0.00	1.74	0.03	1.08	0.00	1.10	0.02	0.62	0.00	0.64	0.02	0.03	0.05	0.00	0.05	0.00	0.02	3.55
Total Ex	0.57	52.46	0.09	53.12	0.42	36.05	0.17	36.64	0.18	20.25	0.73	21.16	0.07	1.08	1.14	15.08	16.23	1.21	0.16	128.53
PM10 Emissions																				
Run Exh	0.03	1.40	0.04	1.47	0.03	1.56	0.03	1.62	0.01	0.65	0.06	0.72	0.00	0.01	0.02	5.72	5.74	0.15	0.05	9.74
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	0.00	0.10	0.10	0.00	0.00	0.10
Start Ex	0.00	0.13	0.00	0.13	0.00	0.13	0.00	0.13	0.00	0.06	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.33
Total Ex	0.04	1.53	0.04	1.61	0.03	1.69	0.03	1.75	0.01	0.71	0.06	0.78	0.00	0.02	0.02	5.82	5.84	0.15	0.05	10.18
TireWear	0.01	1.01	0.00	1.02	0.01	0.56	0.00	0.57	0.00	0.25	0.02	0.27	0.00	0.02	0.02	0.23	0.25	0.00	0.00	2.11
BrakeWr	0.01	1.59	0.00	1.60	0.01	0.88	0.01	0.90	0.00	0.36	0.02	0.38	0.00	0.02	0.02	0.19	0.21	0.01	0.01	3.10
Total	0.06	4.13	0.04	4.23	0.04	3.13	0.04	3.22	0.01	1.31	0.10	1.42	0.00	0.06	0.06	6.24	6.30	0.16	0.06	15.40
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	0.51	0.00	0.52	0.01	0.35	0.00	0.36	0.00	0.20	0.01	0.21	0.00	0.01	0.01	0.14	0.16	0.01	0.00	1.25
Fuel Consumption (000 gallons)																				
Gasoline	74.16	5448.59	0.00	5522.75	54.59	3746.68	0.00	3801.28	24.55	2107.61	0.00	2132.17	11.42	119.25	130.67	0.00	130.67	9.70	26.55	11623.12
Diesel	0.00	0.00	8.03	8.03	0.00	0.00	15.19	15.19	0.00	0.00	65.40	65.40	0.00	0.00	0.00	1357.64	1357.64	101.16	0.00	1547.41

GREENHOUSE GAS EMISSIONS CALCULATION - Mobile Source

INPUTS (From Traffic Study & URBEMIS2007)	
Estimated VMT for Proposed Project[a]	27,659

INPUTS (From EMFAC 2007 for project operational year)	
Daily VMT	218,863,000
NO_X (tons/day)	280.25
CH_4 (tons/day)	11.11

NO_X (tons/mi)	0.000001280
N_2O (tons/mi)	0.000000061
CH_4 (tons/mi)	0.000000051
N_2O to NO_X Ratio	0.048

Estimated Greenhouse Gas Emissions (mobile sources)		
Land Use	N_2O	CH_4
	tons/year	tons/year
Project	0.620	0.512

OUTPUTS		
Estimated Carbon Equivalent (mobile sources)		
Land Use	**N_2O**	**CH_4**
Carbon Equivalent	**310**	**21**
	tons/year	tons/year
Project	**192.35**	**10.76**

a) URBEMIS2007

Note: CO_2 emissions obtained from URBEMIS2007.

GREENHOUSE GAS EMISSIONS CALCULATION - Mobile Source

INPUTS (From Traffic Study & URBEMIS2007)	
Estimated VMT for Proposed Project[a]	13,410

INPUTS (From EMFAC 2007 for project operational year)	
Daily VMT	218,863,000
NO_X (tons/day)	280.25
CH_4 (tons/day)	11.11

NO_X (tons/mi)	0.000001280
N_2O (tons/mi)	0.000000061
CH_4 (tons/mi)	0.000000051
N_2O to NO_X Ratio	0.048

Estimated Greenhouse Gas Emissions (mobile sources)		
Land Use	N_2O	CH_4
	tons/year	tons/year
Project	0.301	0.248

OUTPUTS		
Estimated Carbon Equivalent (mobile sources)		
Land Use	**N_2O**	**CH_4**
Carbon Equivalent	**310**	**21**
	tons/year	tons/year
Project	**93.26**	**5.22**

a) URBEMIS2007

Note: CO_2 emissions obtained from URBEMIS2007.

GREENHOUSE GAS EMISSIONS CALCULATION - Area Source

Natural Gas Usage Rate

INPUTS

Land Use	Units/Sq. Feet	Natural Gas Use (cubic ft./month)[a]	Natural Gas Use (mmBTU/year)
Single-Family (units)	-	0	-
Multi-Family (units)	-	0	-
Industrial (customers)	-	0	-
Hotel/Motel (sq ft)	-	0	-
Retail/Shopping Center (sq ft)	15,520	45	1
Office (sq ft)	59,600	119	1
TOTAL			2

Emission Factor (kg/mmBTU)[b]	N_2O	CH_4
Residential	0.0001	0.0050
Commercial/Intitutional	0.0001	0.0050
Manufacturing/Construction	0.0001	0.0010

Estimated Greenhouse Gas Emissions (Natural Gas)		
Land Use	N_2O	CH_4
	tons	tons
Residential	0.0000	0.0000
Commercial/Intitutional	0.0002	0.0099
Manufacturing/Construction	0.0000	0.0000
TOTAL	**0.0002**	**0.0099**

OUTPUTS

Estimated Carbon Equivalent (Natural Gas)		
Land Use	N_2O	CH_4
Carbon Equivalent	**310**	**21**
	tons	tons
Project	0.06109	0.20690

a) Natural gas usage rates from Table A9-12-A of the SCAQMD CEQA Air Quality Handbook.

b) Emissions factors obtained from California Climate Action Registry General Reporting Protocol, January 2009.

GREENHOUSE GAS EMISSIONS CALCULATION - General Electricity

Electricity Usage Rates

INPUTS

Land Use	Units/Sq. Feet	Electricity Usage (Kwh/Yr)[a]
Residential (units)	-	0.00
Education	-	0.00
Food Sales (sq ft)	-	0.00
Food Service (sq ft)	3,000	115,200.00
Health Care (sq ft)	-	0.00
Inpatient (sq ft)	-	0.00
Outpatient (sq ft)	-	0.00
Lodging (sq ft)	-	0.00
Retail (non-mall; sq ft)	12,520	179,036.00
Office (sq ft)	59,600	1,031,080.00
Public Assembly (sq ft)	-	0.00
Public Order & Safety (sq ft)	-	0.00
Religious Worship (sq ft)	-	0.00
Service (sq ft)	-	0.00
Warehouse/Storage (sq ft)	-	0.00
Other (sq ft)	-	0.00
Vacant (sq ft)	-	0.00
TOTAL		1,325,316.00

Emission Factor (pounds/Kwh)[b]	N_2O	CH_4	CO_2
	0.0000081	0.0000302	0.7241200

Estimated Greenhouse Gas Emissions (Electricity)	N_2O	CH_4	CO2
	tons	tons	tons
Project	0.0054	0.0200	479.8439

OUTPUTS

Estimated Carbon Equivalent (Electricity)	N_2O	CH_4	CO2
Carbon Equivalent	**310**	**21**	**1**
	tons	tons	tons
Project	1.6639	0.4203	479.8439

a) General electricity usage rates obtained from Table A9-11-A of the SCAQMD CEQA Air Quality Handbook; California Clim

GREENHOUSE GAS EMISSIONS CALCULATION - Water-Related Electricity
Electrical Usage Rate

INPUTS

Land Use	Unit/Sq Ft	Sewage Generation Factor	MG/Yr
Acupuncture/Chiropractic Office (Sq Ft)	0	0.15	0.0000
Auditorium (seats)	0	4.00	0.0000
Auto Body/Repair Shop (Sq Ft)	0	0.80	0.0000
Bakery (Sq Ft)	0	0.28	0.0000
Bank/Credit Union (Sq Ft)	0	0.15	0.0000
Banquet Room/Ballroom (Sq Ft)	0	0.80	0.0000
Bar (Sq Ft)	0	0.50	0.0000
Barber Shop (Sq Ft)	0	0.10	0.0000
Beauty Parlor (Sq Ft)	0	0.28	0.0000
Bowling Alley (Sq Ft)	0	0.08	0.0000
Coffee House (sq ft)	0	0.28	0.0000
Commercial Use (sq ft)	0	0.08	0.0000
Medical/Dental Building (sq ft)	54,900	0.25	6.0116
Gas Station (per bay)	0	107.50	0.0000
Health Club (sq ft)	0	0.80	0.0000
Hostipal (per bed)	0	75.00	0.0000
Jail (per inmate)	0	85.00	0.0000
Laundromat (per machine)	0	170.00	0.0000
Library (sq ft)	0	0.08	0.0000
Industrial Facility (sq ft)	0	0.08	0.0000
Motel (per room)	0	130.00	0.0000
Office Building (sq ft)	4,700	0.18	0.3705
Residential - Apartment (per unit)	0	160.00	0.0000
Residential - Single Family (sq ft)	0	0.18	0.0000
Residential - Mobile Home (per unit)	0	0.16	0.0000
Restaurant - Fast Food (per seat)	0	0.02	0.0000
Restaurant - Full Service (sq ft)	3,000	0.60	0.7884
Restaurant - Take Out (sq ft)	0	0.30	0.0000
Retail (sq ft)	12,520	0.08	0.4387
School - Day Care (per child)	0	8.00	0.0000
School - Elementary/Junior High (per student)	0	8.00	0.0000
School - High School/Vocational (per student)	0	12.00	0.0000
School - Kindergarten (sq ft)	0	0.20	0.0000
School - Martial Arts (sq ft)	0	0.08	0.0000
School - University/College (per student)	0	18.00	0.0000
School - Dormitory (per student)	0	75.00	0.0000
Storage (sq ft)	0	0.02	0.0000
Studio (sq ft)	0	0.08	0.0000
TOTAL			**7.6092**

Water Cycle Usage Factor	
Unit	**Usage Factor**
Kilowatt-Hour/Million Gallons/Year	12,700

Emission Factor (pounds/Kwh)

	N_2O	CH_4	CO_2
	0.0000037	0.0000067	0.8050000

Estimated Greenhouse Gas Emissions			
Land Use	**N_2O**	**CH_4**	**CO2**
	tons	tons	tons
Water Cycle Electricity			
	0.0002	0.0003	39

OUTPUTS

Estimated Carbon Equivalent (Electricity)			
Land Use	**N_2O**	**CH_4**	**CO2**
Carbon Equivalent	**310**	**21**	**1**
	tons	tons	tons
Water Cycle Electricity			
	0.0554	0.0068	38.8963

a) General electricity usage rates obtained from Table A9-11-A of the SCAQMD CEQA Air Quality Handbook.

b) Water cycle electricity rate obtained from California Energy Comission,*2005 Integrated Energy Policy Report*, November 2005.