

APPENDIX F-L

Regional Emission Calculation Worksheets

DesertXpress Final EIS Air Quality/ Climate Change Appendix

- Local Climate Data
- Local Ambient Air Monitoring Station Data
- Year 2007 Existing/Baseline Criteria Pollutant and GHG Emissions
- Construction Emissions – Criteria Pollutants and GHG
- Mobile-source Criteria Pollutant Emissions
- Mobile-source GHG Emissions
- Mobile-source CO Hot-spot Analysis
- EMU Technology Option Criteria Pollutant and GHG Emissions
- DEMU Technology Option Criteria Pollutant and GHG Emissions

LAS VEGAS, NEVADA (264429)

Period of Record Monthly Climate Summary

Period of Record : 1/ 1/1914 to 8/31/1956

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	59.7	66.2	73.3	82.1	89.4	98.7	103.7	102.0	96.4	83.6	70.7	61.4	82.3
Average Min. Temperature (F)	31.0	35.7	41.1	48.4	54.7	62.4	68.9	67.3	59.6	48.7	37.5	32.5	49.0
Average Total Precipitation (in.)	0.68	0.55	0.44	0.26	0.19	0.18	0.55	0.49	0.42	0.27	0.22	0.51	4.77
Average Total SnowFall (in.)	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1
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.: 92.1% Min. Temp.: 92.1% Precipitation: 94.3% Snowfall: 96.4% Snow Depth: 96.2%

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

Western Regional Climate Center, wrcc@dri.edu

MOUNTAIN PASS, CALIFORNIA (045890)

Period of Record Monthly Climate Summary

Period of Record : 2/18/1955 to 12/31/2005

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	50.4	53.7	59.0	66.4	76.3	87.1	92.8	89.9	83.9	72.4	58.9	51.1	70.2
Average Min. Temperature (F)	29.5	32.4	35.8	41.0	49.8	59.1	66.5	64.5	56.6	46.3	36.2	30.2	45.7
Average Total Precipitation (in.)	0.94	0.91	0.89	0.48	0.27	0.20	1.04	1.23	0.59	0.52	0.69	0.64	8.41
Average Total SnowFall (in.)	2.7	1.9	1.4	0.6	0.2	0.0	0.0	0.0	0.0	0.1	1.1	1.5	9.4
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.: 81.9% Min. Temp.: 81.4% Precipitation: 92% Snowfall: 92.5% Snow Depth: 90.4%

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

Western Regional Climate Center, wrcc@dri.edu

BARSTOW, CALIFORNIA (040519)

Period of Record Monthly Climate Summary

Period of Record : 1/ 6/1913 to 3/31/1980

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	59.7	64.8	69.9	77.6	86.1	95.7	102.4	100.3	94.0	82.6	69.2	60.6	80.2
Average Min. Temperature (F)	31.2	35.1	39.4	45.5	52.5	60.5	66.9	64.8	58.2	47.8	37.0	31.1	47.5
Average Total Precipitation (in.)	0.75	0.61	0.62	0.22	0.08	0.13	0.28	0.32	0.26	0.21	0.36	0.55	4.40
Average Total SnowFall (in.)	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2
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.: 71.9% Min. Temp.: 71.8% Precipitation: 72.2% Snowfall: 71.4% Snow Depth: 71.4%

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

Western Regional Climate Center, wrcc@dri.edu

VICTORVILLE, CALIFORNIA (049325)

Period of Record Monthly Climate Summary

Period of Record : 7/ 1/1948 to 12/31/2005

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	58.5	62.3	66.8	73.7	82.2	91.6	98.0	97.1	91.1	80.5	67.5	59.2	77.4
Average Min. Temperature (F)	30.5	33.6	37.1	41.8	48.2	54.7	61.3	60.5	54.7	45.0	35.5	29.8	44.4
Average Total Precipitation (in.)	1.01	1.02	0.83	0.34	0.15	0.05	0.16	0.20	0.28	0.32	0.50	0.72	5.58
Average Total SnowFall (in.)	1.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	1.4
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.: 99.1% Min. Temp.: 98.9% Precipitation: 99.6% Snowfall: 99.5% Snow Depth: 99.2%

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

Western Regional Climate Center, wrcc@dri.edu

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Highest 4 Daily Maximum Hourly Ozone Measurements

Victorville-14306 Park Avenue

[FAQs](#)

Year:	2007		2008		2009	
	Date	Measurement	Date	Measurement	Date	Measurement
First High:	Aug 4	0.107	Jun 23	0.109	Jul 21	0.111
Second High:	Jun 30	0.101	Jul 3	0.106	Sep 2	0.110
Third High:	Jun 2	0.100	Jun 25	0.105	Jul 28	0.105
Fourth High:	Aug 3	0.097	Jul 17	0.104	Sep 12	0.105
# Days Above State Standard:	7		16		8	
California Designation Value:	0.11		0.11		0.11	
Expected Peak Day Conc.:	0.113		0.111		0.109	
# Days Above Nat'l Standard:	0		0		0	
National Design Value:	0.115		0.108		0.107	
Year Coverage:	100		99		99	

[Go Backward One Year](#)

[New Top 4 Summary](#)

[Go Forward One Year](#)

Notes: All concentrations are expressed in parts per million.
 The national 1-hour ozone standard was revoked in June 2005 and is no longer in effect. Statistics related to the revoked standard are shown in *italics* or *italics*.
 State exceedances are shown in **yellow**. Exceedances of the revoked national 1-hour standard are shown in **orange**.
 An exceedance is not necessarily a violation.
 Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.
 * There was insufficient (or no) data available to determine the value.

Switch:	8-Hour Ozone	PM2.5	PM10	Carbon Monoxide	Nitrogen Dioxide	Sulfur Dioxide	Hydrogen Sulfide
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Highest 4 Daily Maximum 8-Hour Ozone Averages

Victorville-14306 Park Avenue

FAQs

Year:	2007		2008		2009	
	Date	8-Hr Average	Date	8-Hr Average	Date	8-Hr Average
National:						
First High:	Aug 4	0.090	Jun 25	0.098	Sep 3	0.097
Second High:	Aug 22	0.089	Aug 15	0.096	Jul 28	0.095
Third High:	Jun 27	0.088	Jun 24	0.089	Jul 21	0.091
Fourth High:	Jun 28	0.087	Jun 26	0.089	Sep 12	0.087
California:						
First High:	Aug 4	0.091	Jun 25	0.098	Sep 3	0.097
Second High:	Jun 27	0.089	Aug 15	0.096	Jul 28	0.096
Third High:	Aug 22	0.089	Jun 24	0.089	Jul 21	0.091
Fourth High:	Jun 2	0.087	Jun 26	0.089	Jun 26	0.087
National:						
# Days Above '08 Nat'l Std.:	27		30		23	
'08 Nat'l Std. Design Value:	0.091		0.089		0.087	
National Year Coverage:	100		100		99	
California:						
# Days Above State Standard:	45		59		53	
California Designation Value:	0.098		0.096		0.097	
Expected Peak Day Conc.:	0.101		0.097		0.097	
California Year Coverage:	100		99		98	

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Notes: All averages are expressed in parts per million.
 National exceedances are shown in **orange**. State exceedances are shown in **yellow**.
 An exceedance is not necessarily a violation.
 Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.
 * There was insufficient (or no) data available to determine the value.

Switch:	Hourly Ozone	PM2.5	PM10	Carbon Monoxide	Nitrogen Dioxide	Sulfur Dioxide	Hydrogen Sulfide
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Highest 4 Daily Maximum 8-Hour Carbon Monoxide Averages

Victorville-14306 Park Avenue

[FAQs](#)

Year:	2007		2008		2009	
	Date	8-Hr Average	Date	8-Hr Average	Date	8-Hr Average
National:						
First High:	Oct 25	1.61	Dec 2	1.04	Jan 31	1.14
Second High:	Oct 26	1.50	Jan 8	0.91	Jan 7	1.07
Third High:	Oct 25	1.18	Jan 20	0.89	Jan 7	1.05
Fourth High:	Oct 26	1.15	Dec 21	0.83	Jan 11	1.01
California:						
First High:	Oct 25	1.61	Dec 1	1.04	Jan 30	1.14
Second High:	Oct 26	1.50	Jan 8	0.91	Jan 6	1.07
Third High:	Jan 8	1.13	Jan 20	0.89	Jan 7	1.05
Fourth High:	Dec 14	1.01	Dec 20	0.83	Jan 1	1.01
# Days Above Nat'l Standard:	0		0		0	
# Days Above State Standard:	0		0		0	
Year Coverage:	99		99		99	

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Notes: All averages are expressed in parts per million. National exceedances are shown in **orange**. State exceedances are shown in **yellow**. An exceedance is not necessarily a violation. Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.
* There was insufficient (or no) data available to determine the value.

Switch:	Hourly Ozone	8-Hour Ozone	PM2.5	PM10	Nitrogen Dioxide	Sulfur Dioxide	Hydrogen Sulfide
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Highest 4 Daily Maximum Hourly Nitrogen Dioxide Measurements

Victorville-14306 Park Avenue

[FAQs](#)

Year:	2007		2008		2009	
	Date	Measurement	Date	Measurement	Date	Measurement
First High:	Mar 15	0.071	Jul 25	0.074	Jun 25	0.064
Second High:	Jun 14	0.069	Apr 17	0.073	May 11	0.060
Third High:	May 17	0.066	Jun 13	0.069	Aug 13	0.060
Fourth High:	Oct 25	0.066	May 19	0.066	Aug 17	0.060
# Days Above State Standard:	0		0		0	
Annual Average:	0.018		0.016		0.015	
Year Coverage:	99		100		98	

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Notes: All averages are expressed in parts per million.
 National exceedances are shown in **orange**. State exceedances are shown in **yellow**.
 An exceedance is not necessarily a violation.
 Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.
 * There was insufficient (or no) data available to determine the value.

Switch:	Hourly Ozone	8-Hour Ozone	PM2.5	PM10	Carbon Monoxide	Sulfur Dioxide	Hydrogen Sulfide
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Highest 4 Daily 24-Hour PM10 Averages

Victorville-14306 Park Avenue

[FAQs](#)

Year:	2007		2008		2009	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
National:						
First High:	Apr 12	358.0	Apr 30	77.0	Oct 28	53.0
Second High:	Dec 26	130.0	Mar 1	74.0	Sep 4	49.0
Third High:	Oct 17	113.0	Mar 13	45.0	Sep 28	45.0
Fourth High:	Jun 5	60.0	Jun 11	45.0	Nov 9	40.0
California:						
First High:	Apr 12	339.0	Apr 30	72.0	Sep 4	43.0
Second High:	Dec 26	126.0	Mar 1	69.0	Sep 28	40.0
Third High:	Oct 17	106.0	Mar 13	42.0	Jul 24	34.0
Fourth High:	Jun 5	55.0	Jun 11	40.0	Aug 11	34.0
Measured:						
# Days Above Nat'l Standard:	1		0		0	
# Days Above State Standard:	4		2		0	
Estimated:						
3-Yr Avg # Days Above Nat'l Std:	2.0		2.0		2.0	
# Days Above Nat'l Standard:	7.0		0.0		0.0	
# Days Above State Standard:	26.2		*		*	
State 3-Yr Maximum Average:	36		36		36	
State Annual Average:	35.9		*		*	
National 3-Year Average:	33		33		*	
National Annual Average:	38.4		27.0		*	
Year Coverage:	94		94		100	

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Notes: All concentrations are expressed in micrograms per cubic meter.
 The national annual average PM10 standard was revoked in December 2006 and is no longer in effect.
 Statistics related to the revoked standard are shown in *italics* or *italics*.
 National exceedances are shown in **orange**. State exceedances are shown in **yellow**.
 An exceedance is not necessarily a violation.
 Statistics may include data that are related to an [exceptional event](#).
 State and national statistics may differ for the following reasons:
 State statistics are based on California approved samplers, whereas national statistics are based on samplers using federal reference or equivalent methods.
 State and national statistics may therefore be based on different samplers.

State statistics for 1998 and later are based on *local* conditions (except for sites in the South Coast Air Basin, where State statistics for 2002 and later are based on *local* conditions). National statistics are based on *standard* conditions.

State criteria for ensuring that data are sufficiently complete for calculating valid annual averages are more stringent than the national criteria.

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

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

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

* There was insufficient (or no) data available to determine the value.

Switch:	Hourly Ozone	8-Hour Ozone	PM2.5	Carbon Monoxide	Nitrogen Dioxide	Sulfur Dioxide	Hydrogen Sulfide
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Highest 4 Daily 24-Hour PM2.5 Averages

Victorville-14306 Park Avenue

FAQs

Year:	2007		2008		2009	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
National:						
First High:	Oct 27	28.0	Jul 17	17.0	Sep 4	20.0
Second High:	Aug 22	19.0	Dec 20	16.0	Aug 17	17.0
Third High:	Dec 14	18.0	Jul 5	15.0	Jan 1	15.0
Fourth High:	Apr 12	17.0	Jul 25	15.0	Mar 20	15.0
California:						
First High:	Oct 27	28.0	Jul 17	19.0	Sep 4	20.0
Second High:	Aug 22	20.0	Dec 20	17.0	Mar 20	17.0
Third High:	Dec 14	18.0	Jul 5	15.0	Aug 17	17.0
Fourth High:	Apr 12	17.0	Jul 25	15.0	Jan 1	15.0
Estimated Days > Nat'l 24-Hr Std:	0.0		*		0.0	
Measured Days > Nat'l 24-Hr Std:	0		0		0	
Nat'l 24-Hr Std Design Value:	19		*		*	
Nat'l 24-Hr Std 98th Percentile:	19.0		*		17.0	
National Annual Std Design Value:	9.9		*		*	
National Annual Average:	9.6		*		8.9	
State Ann'l Std Designation Value:	10		10		10	
State Annual Average:	9.7		*		9.3	
Year Coverage:	100		94		97	

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Notes: All concentrations are expressed in micrograms per cubic meter. National exceedances are shown in **orange**. State exceedances are shown in **yellow**. 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 criteria for ensuring that data are sufficiently complete for calculating valid annual averages are more stringent than the national criteria. Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.
 * There was insufficient (or no) data available to determine the value.

Switch:	Hourly Ozone	8-Hour Ozone	PM10	Carbon Monoxide	Nitrogen Dioxide	Sulfur Dioxide	Hydrogen Sulfide
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Highest 4 Daily Maximum Hourly Ozone Measurements

Victorville-14306 Park Avenue

[FAQs](#)

Year:	2007		2008		2009	
	Date	Measurement	Date	Measurement	Date	Measurement
First High:	Aug 4	0.107	Jun 23	0.109	Jul 21	0.111
Second High:	Jun 30	0.101	Jul 3	0.106	Sep 2	0.110
Third High:	Jun 2	0.100	Jun 25	0.105	Jul 28	0.105
Fourth High:	Aug 3	0.097	Jul 17	0.104	Sep 12	0.105
# Days Above State Standard:	7		16		8	
California Designation Value:	0.11		0.11		0.11	
Expected Peak Day Conc.:	0.113		0.111		0.109	
# Days Above Nat'l Standard:	0		0		0	
National Design Value:	0.115		0.108		0.107	
Year Coverage:	100		99		99	

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Notes: All concentrations are expressed in parts per million.
 The national 1-hour ozone standard was revoked in June 2005 and is no longer in effect. Statistics related to the revoked standard are shown in *italics* or *italics*.
 State exceedances are shown in **yellow**. Exceedances of the revoked national 1-hour standard are shown in **orange**.
 An exceedance is not necessarily a violation.
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 * There was insufficient (or no) data available to determine the value.

Switch:	8-Hour Ozone	PM2.5	PM10	Carbon Monoxide	Nitrogen Dioxide	Sulfur Dioxide	Hydrogen Sulfide
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Highest 4 Daily Maximum 8-Hour Ozone Averages

Victorville-14306 Park Avenue

FAQs

Year:	2007		2008		2009	
	Date	8-Hr Average	Date	8-Hr Average	Date	8-Hr Average
National:						
First High:	Aug 4	0.090	Jun 25	0.098	Sep 3	0.097
Second High:	Aug 22	0.089	Aug 15	0.096	Jul 28	0.095
Third High:	Jun 27	0.088	Jun 24	0.089	Jul 21	0.091
Fourth High:	Jun 28	0.087	Jun 26	0.089	Sep 12	0.087
California:						
First High:	Aug 4	0.091	Jun 25	0.098	Sep 3	0.097
Second High:	Jun 27	0.089	Aug 15	0.096	Jul 28	0.096
Third High:	Aug 22	0.089	Jun 24	0.089	Jul 21	0.091
Fourth High:	Jun 2	0.087	Jun 26	0.089	Jun 26	0.087
National:						
# Days Above '08 Nat'l Std.:	27		30		23	
'08 Nat'l Std. Design Value:	0.091		0.089		0.087	
National Year Coverage:	100		100		99	
California:						
# Days Above State Standard:	45		59		53	
California Designation Value:	0.098		0.096		0.097	
Expected Peak Day Conc.:	0.101		0.097		0.097	
California Year Coverage:	100		99		98	

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Notes: All averages are expressed in parts per million.
 National exceedances are shown in **orange**. State exceedances are shown in **yellow**.
 An exceedance is not necessarily a violation.
 Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.
 * There was insufficient (or no) data available to determine the value.

Switch:	Hourly Ozone	PM2.5	PM10	Carbon Monoxide	Nitrogen Dioxide	Sulfur Dioxide	Hydrogen Sulfide
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Highest 4 Daily Maximum 8-Hour Carbon Monoxide Averages

Victorville-14306 Park Avenue

[FAQs](#)

Year:	2007		2008		2009	
	Date	8-Hr Average	Date	8-Hr Average	Date	8-Hr Average
National:						
First High:	Oct 25	1.61	Dec 2	1.04	Jan 31	1.14
Second High:	Oct 26	1.50	Jan 8	0.91	Jan 7	1.07
Third High:	Oct 25	1.18	Jan 20	0.89	Jan 7	1.05
Fourth High:	Oct 26	1.15	Dec 21	0.83	Jan 11	1.01
California:						
First High:	Oct 25	1.61	Dec 1	1.04	Jan 30	1.14
Second High:	Oct 26	1.50	Jan 8	0.91	Jan 6	1.07
Third High:	Jan 8	1.13	Jan 20	0.89	Jan 7	1.05
Fourth High:	Dec 14	1.01	Dec 20	0.83	Jan 1	1.01
# Days Above Nat'l Standard:	0		0		0	
# Days Above State Standard:	0		0		0	
Year Coverage:	99		99		99	

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[New Top 4 Summary](#)

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Notes: All averages are expressed in parts per million. National exceedances are shown in **orange**. State exceedances are shown in **yellow**. An exceedance is not necessarily a violation. Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.
* There was insufficient (or no) data available to determine the value.

Switch:	Hourly Ozone	8-Hour Ozone	PM2.5	PM10	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

Victorville-14306 Park Avenue

[FAQs](#)

Year:	2007		2008		2009	
	Date	Measurement	Date	Measurement	Date	Measurement
First High:	Mar 15	0.071	Jul 25	0.074	Jun 25	0.064
Second High:	Jun 14	0.069	Apr 17	0.073	May 11	0.060
Third High:	May 17	0.066	Jun 13	0.069	Aug 13	0.060
Fourth High:	Oct 25	0.066	May 19	0.066	Aug 17	0.060
# Days Above State Standard:	0		0		0	
Annual Average:	0.018		0.016		0.015	
Year Coverage:	99		100		98	

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[Go Forward One Year](#)

Notes: All averages are expressed in parts per million.
 National exceedances are shown in **orange**. State exceedances are shown in **yellow**.
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 * There was insufficient (or no) data available to determine the value.

Switch:	Hourly Ozone	8-Hour Ozone	PM2.5	PM10	Carbon Monoxide	Sulfur Dioxide	Hydrogen Sulfide
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Highest 4 Daily 24-Hour PM10 Averages

Victorville-14306 Park Avenue

[FAQs](#)

Year:	2007		2008		2009	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
National:						
First High:	Apr 12	358.0	Apr 30	77.0	Oct 28	53.0
Second High:	Dec 26	130.0	Mar 1	74.0	Sep 4	49.0
Third High:	Oct 17	113.0	Mar 13	45.0	Sep 28	45.0
Fourth High:	Jun 5	60.0	Jun 11	45.0	Nov 9	40.0
California:						
First High:	Apr 12	339.0	Apr 30	72.0	Sep 4	43.0
Second High:	Dec 26	126.0	Mar 1	69.0	Sep 28	40.0
Third High:	Oct 17	106.0	Mar 13	42.0	Jul 24	34.0
Fourth High:	Jun 5	55.0	Jun 11	40.0	Aug 11	34.0
Measured:						
# Days Above Nat'l Standard:	1		0		0	
# Days Above State Standard:	4		2		0	
Estimated:						
3-Yr Avg # Days Above Nat'l Std:	2.0		2.0		2.0	
# Days Above Nat'l Standard:	7.0		0.0		0.0	
# Days Above State Standard:	26.2		*		*	
State 3-Yr Maximum Average:	36		36		36	
State Annual Average:	35.9		*		*	
National 3-Year Average:	33		33		*	
National Annual Average:	38.4		27.0		*	
Year Coverage:	94		94		100	

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[New Top 4 Summary](#)

[Go Forward One Year](#)

Notes: All concentrations are expressed in micrograms per cubic meter.
 The national annual average PM10 standard was revoked in December 2006 and is no longer in effect.
 Statistics related to the revoked standard are shown in *italics* or *italics*.
 National exceedances are shown in **orange**. State exceedances are shown in **yellow**.
 An exceedance is not necessarily a violation.
 Statistics may include data that are related to an [exceptional event](#).
 State and national statistics may differ for the following reasons:
 State statistics are based on California approved samplers, whereas national statistics are based on samplers using federal reference or equivalent methods.
 State and national statistics may therefore be based on different samplers.

State statistics for 1998 and later are based on *local* conditions (except for sites in the South Coast Air Basin, where State statistics for 2002 and later are based on *local* conditions). National statistics are based on *standard* conditions.

State criteria for ensuring that data are sufficiently complete for calculating valid annual averages are more stringent than the national criteria.

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

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

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

* There was insufficient (or no) 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			

Welcome to **California****Air Resources Board****Highest 4 Daily 24-Hour PM2.5 Averages**

Victorville-14306 Park Avenue

FAQs

Year:	2007		2008		2009	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
National:						
First High:	Oct 27	28.0	Jul 17	17.0	Sep 4	20.0
Second High:	Aug 22	19.0	Dec 20	16.0	Aug 17	17.0
Third High:	Dec 14	18.0	Jul 5	15.0	Jan 1	15.0
Fourth High:	Apr 12	17.0	Jul 25	15.0	Mar 20	15.0
California:						
First High:	Oct 27	28.0	Jul 17	19.0	Sep 4	20.0
Second High:	Aug 22	20.0	Dec 20	17.0	Mar 20	17.0
Third High:	Dec 14	18.0	Jul 5	15.0	Aug 17	17.0
Fourth High:	Apr 12	17.0	Jul 25	15.0	Jan 1	15.0
Estimated Days > Nat'l 24-Hr Std:	0.0		*		0.0	
Measured Days > Nat'l 24-Hr Std:	0		0		0	
Nat'l 24-Hr Std Design Value:	19		*		*	
Nat'l 24-Hr Std 98th Percentile:	19.0		*		17.0	
National Annual Std Design Value:	9.9		*		*	
National Annual Average:	9.6		*		8.9	
State Ann'l Std Designation Value:	10		10		10	
State Annual Average:	9.7		*		9.3	
Year Coverage:	100		94		97	

Go Backward One Year

New Top 4 Summary

Go Forward One Year

Notes: All concentrations are expressed in micrograms per cubic meter.National exceedances are shown in **orange**. State exceedances are shown in **yellow**.

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 criteria for ensuring that data are sufficiently complete for calculating valid annual averages are more stringent than the national criteria.

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

* There was insufficient (or no) 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 State 24-Hour Sulfur Dioxide Averages

Victorville-14306 Park Avenue

[FAQs](#)

Year:	2007		2008		2009	
	Date	24-Hr Average	Date	24-Hr Average	Date	24-Hr Average
First High:	Sep 1	0.005	Jun 24	0.002	Mar 31	0.005
Second High:	Sep 2	0.005	Nov 18	0.002	Apr 2	0.005
Third High:	Sep 3	0.005	Mar 4	0.002	Apr 3	0.005
Fourth High:	Jan 9	0.003	Feb 28	0.002	Mar 30	0.005
Annual Average:	0.000		0.000		0.000	
Year Coverage:	99		91		97	

Go Backward One Year	New Top 4 Summary	Go Forward One Year
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Notes: All averages are expressed in parts per million.
 State exceedances are shown in **yellow**.
 An exceedance is not necessarily a violation.
 Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.
 * There was insufficient (or no) data available to determine the value.

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

Monitor Number (CO)	# Obs (1-hour NO2)	1st Max (1-hour NO2)	2nd Max(1-hour NO2)	Mean (Annual NO2)	# Exceed (Annual NO2)	Monitor Number (NO2)	1st Max (1-Hour Ozone)
							0.095
							0.102
							0.097
1							0.109
1							0.058
							0.112
							0.097
							0.089
							0.092
	8375	0.043	0.043	0.006	0	1	0.114
	8530	0.04	0.04	0.005	0	1	0.097
	6319	0.047	0.047	0.006	0	1	0.092
							0.084
	8564	0.049	0.047	0.007	0	1	0.106
	7138	0.044	0.043	0.007	0	1	0.077
	5687	0.045	0.044	0.007	0	1	0.082
							0.075
							0.113
							0.115
							0.097
							0.095
							0.118
							0.108
							0.097
							0.096
							0.123
							0.108
							0.095
							0.097
	7727	0.056	0.05	0.01	0	1	0.118
	8171	0.06	0.059	0.009	0	1	0.11
	5627	0.052	0.051	0.009	0	1	0.097
							0.099
							0.118
							0.105
							0.095
	6233	0.049	0.047	0.008	0	1	0.099
1							0.107
1							0.101
1							0.093
1							0.09
1	8435	0.074	0.071	0.02	0	1	
1	8094	0.086	0.08	0.02	0	1	
1	5644	0.112	0.057	0.017	0	1	
1							
1							
1							
1							
1	2643	0.064	0.056	0.018	0	1	
							0.09
							0.088
							0.103
							0.079
	8472	0.039	0.039	0.004	0	1	0.103
	8676	0.032	0.031	0.004	0	1	0.092
	2121	0.028	0.025	0.004	0	1	0.092
							0.087
1							
1							0.109
1							0.112
1							0.089
1							
1							
1	7338	0.075	0.072	0.02	0	1	0.113
1	7715	0.072	0.072	0.021	0	1	0.105
1	5598	0.224	0.066	0.02	0	1	0.096
1	6388	0.064	0.062	0.016	0	1	0.084

Days > Std (8-Hour Ozone)	Required Days (8-Hour Ozone)	# Days (8-Hour Ozone)	% Days (8-Hour Ozone)	Monitor Number (Ozone)	# Obs (1-hour SO2)	1st Max (1-hour SO2)
6	365	364	100	1		
6	365	363	99	1		
5	365	348	95	1		
4	365	363	99	1		
0	90	90	100	1		
7	365	353	97	1		
7	365	362	99	1		
2	365	357	98	1		
2	366	271	74	1		
13	365	359	98	1		
16	365	361	99	1		
7	365	355	97	1		
1	366	249	68	1		
2	365	364	100	1		
0	365	364	100	1		
1	365	354	97	1		
0	366	271	74	1		
14	365	362	99	1		
16	365	364	100	1		
14	365	360	99	1		
5	366	267	73	1		
16	365	365	100	1		
21	365	361	99	1		
14	365	355	97	1		
4	366	259	71	1		
22	365	364	100	1		
16	365	363	99	1		
12	365	360	99	1		
5	366	268	73	1		
16	365	356	98	1		
17	365	359	98	1		
9	365	356	98	1		
3	366	260	71	1		
21	365	354	97	1		
9	365	360	99	1		
12	365	361	99	1		
8	366	268	73	1		
8	365	357	98	2		
8	365	360	99	2		
5	365	343	94	2		
0	316	218	69	2		
					8357	0.024
					8664	0.015
					8107	0.007
					1991	0.006
5	365	365	100	1		
2	365	364	100	1		
6	365	343	94	1		
0	366	261	71	1		
17	365	365	100	1		
13	365	363	99	1		
12	365	354	97	1		
1	366	256	70	1		
9	275	272	99	1		
4	365	352	96	1		
3	366	266	73	1		
7	365	363	99	1		
13	365	361	99	1		
8	365	359	98	1		
0	366	269	73	1		

98th Pct (24-Hour PM2.5)	# Exceed (24-Hour PM2.5)	Annual Mean (PM2.5)	Annual # Exceed (PM2.5)	Monitor Number (PM2.5)	# Obs (24-Hour PM10)	1st Max (24-Hour PM10)
					335	84
					342	77
					332	153
					338	70
					113	95
					332	149
					340	157
					327	131
					248	203
10.2	0	4.05	0	1	319	97
9.8	0	3.87	0	1	333	152
8.9	0	3.77	0	1	322	255
					225	128
					330	316
					338	145
					329	193
					244	97
					335	70
					339	100
					335	71
					248	76
					338	56
					340	106
					338	66
					336	55
					338	82
					312	55
					245	70
					338	46
					335	69
					330	54
					250	54
					332	124
					340	122
					332	79
					250	120
14.2	0	5.65	0	1	334	79
11.5	0	5.9	0	1	339	97
13	0	5.24	0	1	333	107
					244	78
					336	99
					329	93
					306	110
25.9	0	10.01	0	2		
29.1	0	9.37	0	1	332	120
23.9	0	8.74	0	1	339	113
24.3	0	9.41	0	2		
22.3	0	9.83	0	2		
22.6	0	10.29	0	1	329	127
22.5	0	9.07	0	2		
19	0	8.78	0	1	249	106
					312	54
					344	63
					329	84
					253	91
9.7	0	3.82	0	1	332	66
8.5	0	3.53	0	1	334	62
9.4	0	4	0	1	326	60
12.9	0	4.93	0	1	243	96
					334	75
					340	94
					332	103
					246	71
21.1	0	8.18	0	1	318	144
22.1	0	8.15	0	1	339	136
19.7	0	8.76	0	1	336	110
18.8	0	8.88	0	1	243	109

2nd Max (24-Hour PM10)	3rd Max (24-Hour PM10)	4th Max (24-Hour PM10)	# Exceed Actual (24-Hour PM10)	# Exceed Estimated (24-Hour PM10)	Annual Mean (PM10)
68	67	62	0	0	29
65	61	58	0	0	26
108	83	79	0	0	26
68	67	66	0	0	32
62	59	58	0	0	28
142	96	90	0	0	40
124	103	101	1	1.1	35
120	94	86	0	0	34
168	123	102	2	2.2	33
72	65	65	0	0	19
97	96	76	0	0	18
96	84	60	1	1.1	21
96	96	76	0	0	22
89	88	86	1	1.1	26
142	130	122	0	0	24
107	105	80	1	1.1	25
92	72	71	0	0	22
66	61	60	0	0	24
84	66	63	0	0	26
65	55	52	0	0	24
76	70	66	0	0	23
54	52	52	0	0	19
104	69	55	0	0	20
47	40	40	0	0	19
52	49	47	0	0	20
69	67	55	0	0	21
52	50	47	0	0	20
59	58	56	0	0	20
45	42	41	0	0	15
48	47	42	0	0	16
46	36	36	0	0	17
52	44	42	0	0	17
87	82	76	0	0	29
93	90	76	0	0	28
71	62	58	0	0	28
95	81	80	0	0	26
62	53	47	0	0	22
96	63	60	0	0	22
107	64	50	0	0	22
77	67	56	0	0	22
89	77	77	0	0	33
90	84	76	0	0	33
94	89	84	0	0	32
87	81	79	0	0	31
91	90	89	0	0	35
127	104	81	0	0	39
103	75	69	0	0	31
52	49	46	0	0	14
55	52	51	0	0	13
67	58	49	0	0	15
65	54	49	0	0	15
59	59	57	0	0	17
61	47	39	0	0	12
54	45	44	0	0	13
66	51	50	0	0	14
71	67	64	0	0	30
75	66	64	0	0	29
76	66	64	0	0	27
70	68	61	0	0	27
83	77	76	0	0	31
91	83	80	0	0	33
100	78	66	0	0	32
91	82	71	0	0	31

Annual # Exceed (PM10)	Monitor Number (PM10)	# Obs (24-Hour Lead)	1st Max (24-Hour Lead)	2nd Max (24-Hour Lead)	Qtr 1 (Lead)	Qtr 2 (Lead)	Qtr 3 (Lead)	Qtr 4 (Lead)
0	1							
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# Exceed (Lead)	Monitor Number (Lead)	Year	Site ID	Site Address	City	County	State	EPA Region
		2005	320030007	545 Lake Mead Dr, Henderson	Henderson	Clark Co	NV	9
		2006	320030007	545 Lake Mead Dr, Henderson	Henderson	Clark Co	NV	9
		2007	320030007	545 Lake Mead Dr, Henderson	Henderson	Clark Co	NV	9
		2005	320030016	City-Center., Las Vegas	Las Vegas	Clark Co	NV	9
		2006	320030016	City-Center., Las Vegas	Las Vegas	Clark Co	NV	9
		2005	320030020	4701 Mitchell Street	North Las Vegas	Clark Co	NV	9
		2006	320030020	4701 Mitchell Street	North Las Vegas	Clark Co	NV	9
		2007	320030020	4701 Mitchell Street	North Las Vegas	Clark Co	NV	9
		2008	320030020	4701 Mitchell Street	North Las Vegas	Clark Co	NV	9
		2005	320030022	Ne Of City-12101 Hwy 93/I15	North Las Vegas	Clark Co	NV	9
		2006	320030022	Ne Of City-12101 Hwy 93/I15	North Las Vegas	Clark Co	NV	9
		2007	320030022	Ne Of City-12101 Hwy 93/I15	North Las Vegas	Clark Co	NV	9
		2008	320030022	Ne Of City-12101 Hwy 93/I15	North Las Vegas	Clark Co	NV	9
		2005	320030023	465 E. Old Mill Road, Mesquite, Nv	Mesquite	Clark Co	NV	9
		2006	320030023	465 E. Old Mill Road, Mesquite, Nv	Mesquite	Clark Co	NV	9
		2007	320030023	465 E. Old Mill Road, Mesquite, Nv	Mesquite	Clark Co	NV	9
		2008	320030023	465 E. Old Mill Road, Mesquite, Nv	Mesquite	Clark Co	NV	9
		2005	320030043	4525 New Forest Drive	Las Vegas	Clark Co	NV	9
		2006	320030043	4525 New Forest Drive	Las Vegas	Clark Co	NV	9
		2007	320030043	4525 New Forest Drive	Las Vegas	Clark Co	NV	9
		2008	320030043	4525 New Forest Drive	Las Vegas	Clark Co	NV	9
		2005	320030071	7701 Ducharme Ave	Las Vegas	Clark Co	NV	9
		2006	320030071	7701 Ducharme Ave	Las Vegas	Clark Co	NV	9
		2007	320030071	7701 Ducharme Ave	Las Vegas	Clark Co	NV	9
		2008	320030071	7701 Ducharme Ave	Las Vegas	Clark Co	NV	9
		2005	320030072	3525 N Valadez Street	Las Vegas	Clark Co	NV	9
		2006	320030072	3525 N Valadez Street	Las Vegas	Clark Co	NV	9
		2007	320030072	3525 N Valadez Street	Las Vegas	Clark Co	NV	9
		2008	320030072	3525 N Valadez Street	Las Vegas	Clark Co	NV	9
		2005	320030073	333 Pavilion Center Drive	Las Vegas	Clark Co	NV	9
		2006	320030073	333 Pavilion Center Drive	Las Vegas	Clark Co	NV	9
		2007	320030073	333 Pavilion Center Drive	Las Vegas	Clark Co	NV	9
		2008	320030073	333 Pavilion Center Drive	Las Vegas	Clark Co	NV	9
		2005	320030075	6651 W. Azure Ave	Las Vegas	Clark Co	NV	9
		2006	320030075	6651 W. Azure Ave	Las Vegas	Clark Co	NV	9
		2007	320030075	6651 W. Azure Ave	Las Vegas	Clark Co	NV	9
		2008	320030075	6651 W. Azure Ave	Las Vegas	Clark Co	NV	9
		2005	320030298	298 Arroyo Grande	Henderson	Clark Co	NV	9
		2006	320030298	298 Arroyo Grande	Henderson	Clark Co	NV	9
		2007	320030298	298 Arroyo Grande	Henderson	Clark Co	NV	9
		2008	320030298	298 Arroyo Grande	Henderson	Clark Co	NV	9
		2005	320030538	5483 Clubhouse Dr-Winterwood, Las Vegas	Las Vegas	Clark Co	NV	9
		2006	320030538	5483 Clubhouse Dr-Winterwood, Las Vegas	Las Vegas	Clark Co	NV	9
		2007	320030538	5483 Clubhouse Dr-Winterwood, Las Vegas	Las Vegas	Clark Co	NV	9
		2008	320030538	5483 Clubhouse Dr-Winterwood, Las Vegas	Las Vegas	Clark Co	NV	9
		2005	320030539	4001 East Sahara Avenue	Las Vegas	Clark Co	NV	9
		2006	320030539	4001 East Sahara Avenue	Las Vegas	Clark Co	NV	9
		2007	320030539	4001 East Sahara Avenue	Las Vegas	Clark Co	NV	9
		2008	320030539	4001 East Sahara Avenue	Las Vegas	Clark Co	NV	9
		2005	320030561	2501 Sunrise Avenue	Las Vegas	Clark Co	NV	9
		2005	320030561	2501 Sunrise Avenue	Las Vegas	Clark Co	NV	9
		2006	320030561	2501 Sunrise Avenue	Las Vegas	Clark Co	NV	9
		2006	320030561	2501 Sunrise Avenue	Las Vegas	Clark Co	NV	9
		2007	320030561	2501 Sunrise Avenue	Las Vegas	Clark Co	NV	9
		2007	320030561	2501 Sunrise Avenue	Las Vegas	Clark Co	NV	9
		2008	320030561	2501 Sunrise Avenue	Las Vegas	Clark Co	NV	9
		2008	320030561	2501 Sunrise Avenue	Las Vegas	Clark Co	NV	9
		2005	320030563	650 N. Mojave	Las Vegas	Clark Co	NV	9
		2005	320030601	1005 Industrial Road	Boulder City	Clark Co	NV	9
		2006	320030601	1005 Industrial Road	Boulder City	Clark Co	NV	9
		2007	320030601	1005 Industrial Road	Boulder City	Clark Co	NV	9
		2008	320030601	1005 Industrial Road	Boulder City	Clark Co	NV	9
		2005	320031019	T25s R59e S10	Jean	Clark Co	NV	9
		2006	320031019	T25s R59e S10	Jean	Clark Co	NV	9
		2007	320031019	T25s R59e S10	Jean	Clark Co	NV	9
		2008	320031019	T25s R59e S10	Jean	Clark Co	NV	9
		2005	320031021	1562 Katie Ave	Las Vegas	Clark Co	NV	9
		2006	320031021	1562 Katie Ave	Las Vegas	Clark Co	NV	9
		2007	320031021	1562 Katie Ave	Las Vegas	Clark Co	NV	9
		2008	320031021	1562 Katie Ave	Las Vegas	Clark Co	NV	9
		2005	320031023	3799 S Las Vegas Blvd	Las Vegas	Clark Co	NV	9
		2006	320031023	3799 S Las Vegas Blvd	Las Vegas	Clark Co	NV	9
		2007	320031023	3799 S Las Vegas Blvd	Las Vegas	Clark Co	NV	9
		2005	320032002	1301b East Tonopah	Las Vegas	Clark Co	NV	9
		2006	320032002	1301b East Tonopah	Las Vegas	Clark Co	NV	9
		2007	320032002	1301b East Tonopah	Las Vegas	Clark Co	NV	9
		2008	320032002	1301b East Tonopah	Las Vegas	Clark Co	NV	9

Year 2007 Tons per Year Emissions

ROC/TOC fraction per CARB on-road motor vehicles emissions inventory 91%

	TOC	ROC	NOX	CO	SO2	PM10	PM2.5	CO2 MT	CO2
CA Segment Tons/Year Emissions	1,886	1,722	11,395	20,644	19	493	453	1,749,940	1,928,979
NV Segment Tons/Year Emissions	616	563	3,723	6,745	6	161	148	571,795	630,296
Totals	2,503	2,285	15,118	27,389	25	654	601	2,321,735	2,559,275

Year_2007_VMT

Freeway Segment	Year 2007 Traffic Volumes			AADT Totals		Segment Length (miles)	Daily VMT Totals		Annual VMT Totals	
	AM	PM	Daily	Peak	Non-Peak		Peak	Non-Peak	Peak	Non-Peak
Segment 1 (Victorville to I-40)	6,130	6,810	64,700	12,940	51,760	31.5	407,610	1,630,440	148,777,650	595,110,600
Segment 2 (I-40 to State Line)	4,530	5,020	47,750	9,550	38,200	112	1,069,600	4,278,400	390,404,000	1,561,616,000
California Totals							<u>1,477,210</u>	<u>5,908,840</u>	<u>539,181,650</u>	<u>2,156,726,600</u>
Segment 3 (State Line to Sloan)	5,890	7,552	67,210	13,442	53,768	25.5	342,771	1,371,084	125,111,415	500,445,660
Segment 4 (Sloan to I-215)	6,596	8,448	75,220	15,044	60,176	9.3	139,909	559,637	51,066,858	204,267,432
Nevada Totals							<u>482,680</u>	<u>1,930,721</u>	<u>176,178,273</u>	<u>704,713,092</u>

California Segment Year 2007 VMT and Emissions Totals

Title : CA 2007 VMT
Version : CT-EMFAC 2.6
Run Date : 12 January 2011 11:03 PM
Scen Year : 2007
Season : Annual
Temperature : 68F
Relative Humidity : 52%
Area : Mojave Desert Air Basin

Peak User Input :
 Total VMT 539181650 Volume (vph) Road Length(mi) Number of Hours
 VMT Distribution(%) by Speed(mph)
 (mph) 5 10 15 20 25 30 35 40 45 50 55 60 65 70 >75
 % 25 25 25 25

Offpeak User Input:
 Total VMT 2156726600 Volume (vph) Road Length(mi) Number of Hours
 VMT Distribution(%) by Speed(mph)
 (mph) 5 10 15 20 25 30 35 40 45 50 55 60 65 70 >75
 % 25 25 25 25 50

Running Exhaust Emissions (grams)

Pollutant Name : TOG_exh

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	3.427000	0.00	0.00	0.000000
10	2.079000	0.00	0.00	0.000000
15	1.199000	0.00	0.00	0.000000
20	0.767000	0.00	0.00	0.000000
25	0.617000	0.00	0.00	0.000000
30	0.511000	134,795,412.50	5.00	68,880,455.787500
35	0.440000	134,795,412.50	5.00	59,309,981.500000
40	0.397000	134,795,412.50	5.00	53,513,778.762500
45	0.381000	134,795,412.50	5.00	51,357,052.162500
50	0.390000	0.00	0.00	0.000000
55	0.425000	0.00	0.00	0.000000
60	0.490000	539,181,650.00	20.00	264,199,008.500000
65	0.590000	539,181,650.00	20.00	318,117,173.500000
70	0.691000	1,078,363,300.00	40.00	745,149,040.300000
75	0.832000	0.00	0.00	0.000000
Total		2,695,908,250.00	100.00	1,560,526,490.512500

Pollutant Name : SO2

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	0.015000	0.00	0.00	0.000000
10	0.012000	0.00	0.00	0.000000
15	0.010000	0.00	0.00	0.000000
20	0.008000	0.00	0.00	0.000000
25	0.007000	0.00	0.00	0.000000
30	0.006000	134,795,412.50	5.00	808,772.475000
35	0.006000	134,795,412.50	5.00	808,772.475000
40	0.006000	134,795,412.50	5.00	808,772.475000
45	0.006000	134,795,412.50	5.00	808,772.475000
50	0.006000	0.00	0.00	0.000000
55	0.006000	0.00	0.00	0.000000
60	0.006000	539,181,650.00	20.00	3,235,089.900000
65	0.006000	539,181,650.00	20.00	3,235,089.900000
70	0.007000	1,078,363,300.00	40.00	7,548,543.100000
75	0.007000	0.00	0.00	0.000000
Total		2,695,908,250.00	100.00	17,253,812.800000

California Segment Year 2007 VMT and Emissions Totals

Pollutant Name : PM2.5

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	0.560000	0.00	0.00	0.000000
10	0.381000	0.00	0.00	0.000000
15	0.252000	0.00	0.00	0.000000
20	0.178000	0.00	0.00	0.000000
25	0.148000	0.00	0.00	0.000000
30	0.126000	134,795,412.50	5.00	16,984,221.975000
35	0.110000	134,795,412.50	5.00	14,827,495.375000
40	0.102000	134,795,412.50	5.00	13,749,132.075000
45	0.100000	134,795,412.50	5.00	13,479,541.250000
50	0.104000	0.00	0.00	0.000000
55	0.114000	0.00	0.00	0.000000
60	0.131000	539,181,650.00	20.00	70,632,796.150000
65	0.155000	539,181,650.00	20.00	83,573,155.750000
70	0.183000	1,078,363,300.00	40.00	197,340,483.900000
75	0.217000	0.00	0.00	0.000000

Total		2,695,908,250.00	100.00	410,586,826.475000

Pollutant Name : PM10

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	0.609000	0.00	0.00	0.000000
10	0.414000	0.00	0.00	0.000000
15	0.274000	0.00	0.00	0.000000
20	0.194000	0.00	0.00	0.000000
25	0.161000	0.00	0.00	0.000000
30	0.137000	134,795,412.50	5.00	18,466,971.512500
35	0.120000	134,795,412.50	5.00	16,175,449.500000
40	0.111000	134,795,412.50	5.00	14,962,290.787500
45	0.108000	134,795,412.50	5.00	14,557,904.550000
50	0.113000	0.00	0.00	0.000000
55	0.124000	0.00	0.00	0.000000
60	0.143000	539,181,650.00	20.00	77,102,975.950000
65	0.169000	539,181,650.00	20.00	91,121,698.850000
70	0.199000	1,078,363,300.00	40.00	214,594,296.700000
75	0.237000	0.00	0.00	0.000000

Total		2,695,908,250.00	100.00	446,981,587.850000

Pollutant Name : NOX

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	8.275000	0.00	0.00	0.000000
10	5.833000	0.00	0.00	0.000000
15	4.346000	0.00	0.00	0.000000
20	3.789000	0.00	0.00	0.000000
25	3.636000	0.00	0.00	0.000000
30	3.525000	134,795,412.50	5.00	475,153,829.062500
35	3.454000	134,795,412.50	5.00	465,583,354.775000
40	3.421000	134,795,412.50	5.00	461,135,106.162500
45	3.426000	134,795,412.50	5.00	461,809,083.225000
50	3.470000	0.00	0.00	0.000000
55	3.557000	0.00	0.00	0.000000
60	3.689000	539,181,650.00	20.00	1,989,041,106.850000
65	3.875000	539,181,650.00	20.00	2,089,328,893.750000
70	4.076000	1,078,363,300.00	40.00	4,395,408,810.800000
75	4.344000	0.00	0.00	0.000000

Total		2,695,908,250.00	100.00	10,337,460,184.625000

Pollutant Name : CO2

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	1,568.565000	0.00	0.00	0.000000
10	1,226.694000	0.00	0.00	0.000000
15	982.170000	0.00	0.00	0.000000
20	813.316000	0.00	0.00	0.000000
25	720.846000	0.00	0.00	0.000000
30	655.271000	134,795,412.50	5.00	88,327,524,744.287500
35	610.177000	134,795,412.50	5.00	82,249,060,413.012500
40	581.759000	134,795,412.50	5.00	78,418,444,380.587500
45	567.999000	134,795,412.50	5.00	76,563,659,504.587500
50	568.248000	0.00	0.00	0.000000
55	583.100000	0.00	0.00	0.000000
60	614.507000	539,181,650.00	20.00	331,330,898,196.550000
65	666.193000	539,181,650.00	20.00	359,199,040,958.450000
70	680.524000	1,078,363,300.00	40.00	733,852,106,369.200000
75	701.552000	0.00	0.00	0.000000

Total		2,695,908,250.00	100.00	1,749,940,734,566.670000

California Segment Year 2007 VMT and Emissions Totals

Pollutant Name : CO

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	13.608000	0.00	0.00	0.000000
10	10.821000	0.00	0.00	0.000000
15	8.849000	0.00	0.00	0.000000
20	7.477000	0.00	0.00	0.000000
25	6.578000	0.00	0.00	0.000000
30	5.912000	134,795,412.50	5.00	796,910,478.700000
35	5.435000	134,795,412.50	5.00	732,613,066.937500
40	5.128000	134,795,412.50	5.00	691,230,875.300000
45	4.989000	134,795,412.50	5.00	672,494,312.962500
50	5.039000	0.00	0.00	0.000000
55	5.323000	0.00	0.00	0.000000
60	5.929000	539,181,650.00	20.00	3,196,808,002.850000
65	7.021000	539,181,650.00	20.00	3,785,594,364.650000
70	8.209000	1,078,363,300.00	40.00	8,852,284,329.700000
75	10.259000	0.00	0.00	0.000000
----- Total		2,695,908,250.00	100.00	18,727,935,431.100000

 Idling Emissions (grams) (Currently NOT Available)

 Evaporative Running Loss Emissions (grams)

Pollutant Name : TOG_loss

Emission Factor(grams/min)	total running time(hrs)	Emissions
0.053000	47,396,469.98	150,720,774.540545

 Total Emissions

Pollutant Name	Total Emissions (grams)	Total Emissions (Kilograms)	Total Emissions (US Tons)
TOG	1,711,247,265.053050	1,711,247.265053	1,886.327216056
SO2	17,253,812.800000	17,253.812800	19.019073006
PM2.5	410,586,826.475000	410,586.826475	452.594502940
PM10	446,981,587.850000	446,981.587850	492.712860062
NOX	10,337,460,184.625000	10,337,460.184625	11,395.099287743
CO2	1,749,940,734,566.670000	1,749,940,734.566670	1,928,979.465160170
CO	18,727,935,431.100000	18,727,935.431100	20,644.015055963

 END

Nevada Segment Year 2007 VMT and Emissions Totals

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Title       : NV 2007 VMT
Version    : CT-EMFAC 2.6
Run Date   : 12 January 2011  11:04 PM
Scen Year  : 2007
Season     : Annual
Temperature: 68F
Relative Humidity : 52%
Area       : Mojave Desert Air Basin
    
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Peak User Input :
Total VMT      Volume (vph)   Road Length(mi)   Number of Hours
176178273
VMT Distribution(%) by Speed(mph)
(mph)          5    10    15    20    25    30    35    40    45    50    55    60    65    70    >75
%              25    25    25    25
Offpeak User Input:
Total VMT      Volume (vph)   Road Length(mi)   Number of Hours
704713092
VMT Distribution(%) by Speed(mph)
(mph)          5    10    15    20    25    30    35    40    45    50    55    60    65    70    >75
%              25    25    25    25
    
```

 Running Exhaust Emissions (grams)

Pollutant Name : TOG_exh

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	3.427000	0.00	0.00	0.000000
10	2.079000	0.00	0.00	0.000000
15	1.199000	0.00	0.00	0.000000
20	0.767000	0.00	0.00	0.000000
25	0.617000	0.00	0.00	0.000000
30	0.511000	44,044,568.25	5.00	22,506,774.375750
35	0.440000	44,044,568.25	5.00	19,379,610.030000
40	0.397000	44,044,568.25	5.00	17,485,693.595250
45	0.381000	44,044,568.25	5.00	16,780,980.503250
50	0.390000	0.00	0.00	0.000000
55	0.425000	0.00	0.00	0.000000
60	0.490000	176,178,273.00	20.00	86,327,353.770000
65	0.590000	176,178,273.00	20.00	103,945,181.070000
70	0.691000	352,356,546.00	40.00	243,478,373.286000
75	0.832000	0.00	0.00	0.000000
Total		880,891,365.00	100.00	509,903,966.630250

Pollutant Name : SO2

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	0.015000	0.00	0.00	0.000000
10	0.012000	0.00	0.00	0.000000
15	0.010000	0.00	0.00	0.000000
20	0.008000	0.00	0.00	0.000000
25	0.007000	0.00	0.00	0.000000
30	0.006000	44,044,568.25	5.00	264,267.409500
35	0.006000	44,044,568.25	5.00	264,267.409500
40	0.006000	44,044,568.25	5.00	264,267.409500
45	0.006000	44,044,568.25	5.00	264,267.409500
50	0.006000	0.00	0.00	0.000000
55	0.006000	0.00	0.00	0.000000
60	0.006000	176,178,273.00	20.00	1,057,069.638000
65	0.006000	176,178,273.00	20.00	1,057,069.638000
70	0.007000	352,356,546.00	40.00	2,466,495.822000
75	0.007000	0.00	0.00	0.000000
Total		880,891,365.00	100.00	5,637,704.736000

Nevada Segment Year 2007 VMT and Emissions Totals

Pollutant Name : PM2.5

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	0.560000	0.00	0.00	0.000000
10	0.381000	0.00	0.00	0.000000
15	0.252000	0.00	0.00	0.000000
20	0.178000	0.00	0.00	0.000000
25	0.148000	0.00	0.00	0.000000
30	0.126000	44,044,568.25	5.00	5,549,615.599500
35	0.110000	44,044,568.25	5.00	4,844,902.507500
40	0.102000	44,044,568.25	5.00	4,492,545.961500
45	0.100000	44,044,568.25	5.00	4,404,456.825000
50	0.104000	0.00	0.00	0.000000
55	0.114000	0.00	0.00	0.000000
60	0.131000	176,178,273.00	20.00	23,079,353.763000
65	0.155000	176,178,273.00	20.00	27,307,632.315000
70	0.183000	352,356,546.00	40.00	64,481,247.918000
75	0.217000	0.00	0.00	0.000000

Total		880,891,365.00	100.00	134,159,754.889500

Pollutant Name : PM10

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	0.609000	0.00	0.00	0.000000
10	0.414000	0.00	0.00	0.000000
15	0.274000	0.00	0.00	0.000000
20	0.194000	0.00	0.00	0.000000
25	0.161000	0.00	0.00	0.000000
30	0.137000	44,044,568.25	5.00	6,034,105.850250
35	0.120000	44,044,568.25	5.00	5,285,348.190000
40	0.111000	44,044,568.25	5.00	4,888,947.075750
45	0.108000	44,044,568.25	5.00	4,756,813.371000
50	0.113000	0.00	0.00	0.000000
55	0.124000	0.00	0.00	0.000000
60	0.143000	176,178,273.00	20.00	25,193,493.039000
65	0.169000	176,178,273.00	20.00	29,774,128.137000
70	0.199000	352,356,546.00	40.00	70,118,952.654000
75	0.237000	0.00	0.00	0.000000

Total		880,891,365.00	100.00	146,051,788.317000

Pollutant Name : NOX

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	8.275000	0.00	0.00	0.000000
10	5.833000	0.00	0.00	0.000000
15	4.346000	0.00	0.00	0.000000
20	3.789000	0.00	0.00	0.000000
25	3.636000	0.00	0.00	0.000000
30	3.525000	44,044,568.25	5.00	155,257,103.081250
35	3.454000	44,044,568.25	5.00	152,129,938.735500
40	3.421000	44,044,568.25	5.00	150,676,467.983250
45	3.426000	44,044,568.25	5.00	150,896,690.824500
50	3.470000	0.00	0.00	0.000000
55	3.557000	0.00	0.00	0.000000
60	3.689000	176,178,273.00	20.00	649,921,649.097000
65	3.875000	176,178,273.00	20.00	682,690,807.875000
70	4.076000	352,356,546.00	40.00	1,436,205,281.496000
75	4.344000	0.00	0.00	0.000000

Total		880,891,365.00	100.00	3,377,777,939.092500

Pollutant Name : CO2

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	1,568.565000	0.00	0.00	0.000000
10	1,226.694000	0.00	0.00	0.000000
15	982.170000	0.00	0.00	0.000000
20	813.316000	0.00	0.00	0.000000
25	720.846000	0.00	0.00	0.000000
30	655.271000	44,044,568.25	5.00	28,861,128,281.745700
35	610.177000	44,044,568.25	5.00	26,874,982,521.080300
40	581.759000	44,044,568.25	5.00	25,623,323,980.551800
45	567.999000	44,044,568.25	5.00	25,017,270,721.431700
50	568.248000	0.00	0.00	0.000000
55	583.100000	0.00	0.00	0.000000
60	614.507000	176,178,273.00	20.00	108,262,782,006.411000
65	666.193000	176,178,273.00	20.00	117,368,732,224.689000
70	680.524000	352,356,546.00	40.00	239,787,086,110.104000
75	701.552000	0.00	0.00	0.000000

Total		880,891,365.00	100.00	571,795,305,846.014000

Nevada Segment Year 2007 VMT and Emissions Totals

Pollutant Name : CO

speed(mph)	Emission Factor(grams/mile)	VMT by Speed	VMT-Speed Distribution (%)	Emissions by Speed
5	13.608000	0.00	0.00	0.000000
10	10.821000	0.00	0.00	0.000000
15	8.849000	0.00	0.00	0.000000
20	7.477000	0.00	0.00	0.000000
25	6.578000	0.00	0.00	0.000000
30	5.912000	44,044,568.25	5.00	260,391,487.494000
35	5.435000	44,044,568.25	5.00	239,382,228.438750
40	5.128000	44,044,568.25	5.00	225,860,545.986000
45	4.989000	44,044,568.25	5.00	219,738,350.999250
50	5.039000	0.00	0.00	0.000000
55	5.323000	0.00	0.00	0.000000
60	5.929000	176,178,273.00	20.00	1,044,560,980.617000
65	7.021000	176,178,273.00	20.00	1,236,947,654.733000
70	8.209000	352,356,546.00	40.00	2,892,494,886.114000
75	10.259000	0.00	0.00	0.000000

Total		880,891,365.00	100.00	6,119,376,134.382000

 Idling Emissions (grams) (Currently NOT Available)

 Evaporative Running Loss Emissions (grams)

Pollutant Name : TOG_loss

Emission Factor(grams/min)	total running time(hrs)	Emissions
0.053000	15,486,855.36	49,248,200.052386

 Total Emissions

Pollutant Name	Total Emissions (grams)	Total Emissions (Kilograms)	Total Emissions (US Tons)
TOG	559,152,166.682636	559,152.166683	616.359757862
SO2	5,637,704.736000	5,637.704736	6.214505698
PM2.5	134,159,754.889500	134,159.754890	147.885815286
PM10	146,051,788.317000	146,051.788317	160.994538243
NOX	3,377,777,939.092500	3,377,777.939093	3,723.362828053
CO2	571,795,305,846.014000	571,795,305.846014	630,296.433167531
CO	6,119,376,134.382000	6,119,376.134382	6,745.457528730

 END

Work Summary

	Miles	Feet	Construction Units	Unit Description	Estimate of Total Construction Units Completed by Year				Estimate of CA Construction Units Completed by Year				Estimate of NV Construction Units Completed by Year				
					2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	
Total Track Length	176.7	932,976	--		2011 11%	2012 32%	2013 32%	2014 26%									
At Grade	117.4	619,872	1,487	417 ft/unit	156	469	469	391	131	392	392	327	26	77	77	64	
Elevated Structure	57.0	300,960	2,736	110ft/unit	288	864	864	720	228	683	683	569	60	181	181	151	
Tunnel	2.3	12,144	405	30 ft/unit	39	231	135	-	29	171	100	-	10	60	35	-	

Emissions Summary

Emissions Total							California Emissions						Nevada Emissions							
ROG (tons)	NOx (tons)	CO (tons)	Total PM10 (tons)	Total PM2.5 (tons)	CO2e (tons)		ROG (tons)	NOx (tons)	CO (tons)	Total PM10 (tons)	Total PM2.5 (tons)	CO2e (tons)		ROG (tons)	NOx (tons)	CO (tons)	Total PM10 (tons)	Total PM2.5 (tons)	CO2e (tons)	
Year 2011 Emissions																				
At Grade Construction	14.8	111.3	62.6	162.6	91.0	9,852	12.4	93.0	52.4	135.9	76.1	8,236		2.4	18.2	10.3	26.7	14.9	1,616	
Elevated Structure Construction	16.8	117.9	64.7	53.2	17.6	10,530	13.3	93.1	51.1	42.0	13.9	8,319		3.5	24.8	13.6	11.2	3.7	2,211	
Tunneling Construction	1.9	18.4	7.4	6.9	4.2	2,093	1.4	13.6	5.5	5.1	3.1	1,548		0.5	4.8	1.9	1.8	1.1	544	
Annual Total	33.6	247.6	134.8	222.7	112.7	22,474	27.1	199.8	109.0	183.1	93.0	18,103		6.5	47.8	25.8	39.6	19.7	4,371	
Year 2011 Emissions with Mitigation																				
At Grade Construction	3.5	6.0	54.3	61.4	33.5	9,852	3.0	5.0	45.4	51.4	28.0	8,236		0.5	1.0	7.8	10.1	5.5	1,616	
Elevated Structure Construction	3.9	14.3	63.7	21.2	4.3	10,530	3.1	11.3	50.3	16.8	3.4	8,319		0.7	3.1	11.7	4.5	0.9	2,211	
Tunneling Construction	0.6	1.2	9.7	2.5	1.4	2,093	0.5	0.9	7.2	1.8	1.0	1,548		0.1	0.3	2.2	0.6	0.4	544	
Annual Total	8.1	21.4	127.8	85.1	39.1	22,474	6.5	17.1	102.9	70.0	32.4	18,103		1.3	4.4	21.8	15.2	6.7	4,371	
Year 2012 Emissions																				
At Grade Construction	65.9	492.9	280.3	184.5	111.3	46,582	55.1	412.1	234.3	154.3	93.0	38,943		10.8	80.8	46.0	30.3	18.2	7,640	
Elevated Structure Construction	59.6	427.1	235.8	138.9	37.1	40,146	47.1	337.4	186.3	109.7	29.3	31,715		12.5	89.7	49.5	29.2	7.8	8,431	
Tunneling Construction	12.5	111.5	49.5	11.5	8.5	13,426	9.3	82.5	36.7	8.5	6.3	9,935		3.3	29.0	12.9	3.0	2.2	3,491	
Annual Total	138.1	1,031.5	565.6	334.9	156.8	100,155	111.5	831.9	457.2	272.5	128.6	80,594		26.6	199.5	108.4	62.4	28.2	19,561	
Year 2012 Emissions with Mitigation																				
At Grade Construction	16.2	27.9	256.1	63.4	34.6	46,582	13.6	23.3	214.1	53.0	28.9	38,943		2.2	4.7	36.8	10.4	5.7	7,640	
Elevated Structure Construction	14.7	64.0	240.1	55.8	5.7	40,146	11.6	50.5	189.7	44.1	4.5	31,715		2.5	13.7	44.2	11.7	1.2	8,431	
Tunneling Construction	4.1	7.9	65.1	3.0	1.7	13,426	3.0	5.8	48.2	2.2	1.3	9,935		0.9	2.1	14.8	0.8	0.4	3,491	
Annual Total	35.0	99.8	561.4	122.2	42.0	100,155	28.2	79.7	452.0	99.3	34.7	80,594		5.5	20.4	95.9	22.9	7.3	19,561	

Emissions Summary

Emissions Total							California Emissions						Nevada Emissions							
ROG (tons)	NOx (tons)	CO (tons)	Total PM10 (tons)	Total PM2.5 (tons)	CO2e (tons)		ROG (tons)	NOx (tons)	CO (tons)	Total PM10 (tons)	Total PM2.5 (tons)	CO2e (tons)		ROG (tons)	NOx (tons)	CO (tons)	Total PM10 (tons)	Total PM2.5 (tons)	CO2e (tons)	
Year 2013 Emissions																				
At Grade Construction	62.4	463.4	268.8	182.5	109.3	46,542	52.1	387.4	224.7	152.6	91.4	38,909		10.2	76.0	44.1	29.9	17.9	7,633	
Elevated Structure Construction	55.2	398.5	229.6	136.4	34.6	40,127	43.6	314.8	181.3	107.7	27.3	31,700		11.6	83.7	48.2	28.6	7.3	8,427	
Tunneling Construction	6.0	49.2	25.7	8.8	5.9	6,159	4.5	36.4	19.0	6.5	4.4	4,558		1.6	12.8	6.7	2.3	1.5	1,601	
Annual Total	123.6	911.1	524.0	327.7	149.7	92,827	100.2	738.6	425.0	266.8	123.0	75,166		23.4	172.5	99.0	60.9	26.7	17,661	
Year 2013 Emissions with Mitigation																				
At Grade Construction	15.9	27.7	254.4	63.4	34.6	46,542	13.3	23.2	212.7	53.0	28.9	38,909		2.1	4.6	36.6	10.4	5.7	7,633	
Elevated Structure Construction	14.4	62.0	239.2	55.7	5.6	40,127	11.4	49.0	189.0	44.0	4.4	31,700		2.5	13.3	44.0	11.7	1.2	8,427	
Tunneling Construction	2.0	3.6	32.3	2.7	1.5	6,159	1.5	2.7	23.9	2.0	1.1	4,558		0.4	1.0	7.4	0.7	0.4	1,601	
Annual Total	32.3	93.4	525.9	121.9	41.7	92,827	26.2	74.9	425.6	99.0	34.4	75,166		5.0	18.9	88.0	22.8	7.2	17,661	
Year 2014 Emissions																				
At Grade Construction	24.6	181.6	107.9	166.4	94.4	19,692	20.6	151.8	90.2	139.1	78.9	16,462		4.0	29.8	17.7	27.3	15.5	3,229	
Elevated Structure Construction	29.4	213.5	123.6	48.2	22.6	22,230	23.2	168.6	97.7	38.0	17.8	17,561		6.2	44.8	26.0	10.1	4.7	4,668	
Tunneling Construction	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	
Annual Total	54.0	395.0	231.5	214.5	117.0	41,921	43.8	320.4	187.8	177.1	96.7	34,024		10.2	74.6	43.7	37.4	20.2	7,898	
Year 2014 Emissions with Mitigation																				
At Grade Construction	6.6	11.7	107.3	61.9	33.8	19,692	5.5	9.7	89.7	51.8	28.2	16,462		0.9	1.9	15.4	10.2	5.5	3,229	
Elevated Structure Construction	7.7	35.9	135.5	15.5	4.6	22,230	6.1	28.4	107.1	12.3	3.6	17,561		1.3	7.7	24.9	3.3	1.0	4,668	
Tunneling Construction	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	
Annual Total	14.3	47.6	242.8	77.5	38.3	41,921	11.6	38.1	196.7	64.0	31.8	34,024		2.2	9.6	40.4	13.4	6.5	7,898	

At-Grade Mainline Rail Construction**Total length**

117 miles

Unit

60' wide x 417 feet length

Unit Operation	Clear/Grub (1-ft)	
Unit	417 feet	
Duration Per Unit	1 week (5 days)	
Units on any given day	11.0	
Phase duration in days	673	
Units per project	1,481	
Equipment	Pieces/Unit	Hrs/Day
Dozer	1	8
Loader	1	8
Water Truck	1	3

Unit Operation	Select Fill (3-ft)	
Unit	417 feet	
Duration Per Unit	3 weeks (15 days)	
Units on any given day	32.0	
Phase duration in days	695	
Units per project	1,481	
Equipment	Pieces/Unit	Hrs/Day
Dozer	1	8
Loader	1	8
Grader	1	8
Roller Compactor	1	8
Water Truck	1	3

Unit Operation	Ballast (2.5-ft)	
Unit	417 feet	
Duration Per Unit	2.5 weeks (15 days)	
Units on any given day	32.0	
Phase duration in days	695	
Units per project	1,481	
Equipment	Pieces/Unit	Hrs/Day
Dozer	1	8
Loader	1	8
Grader	1	8
Compactor	1	8
Water Truck	1	3

Unit Operation	Track Laying	
Unit	417 feet	
Duration Per Unit	3 days	
Units on any given day	6.0	
Phase duration in days	739	
Units per project	1,481	
Equipment	Pieces/Unit	Hrs/Day
Diesel locomotive (500 hp), model as surfacing equip	1	8
Crane	1	4
Ballast tamper, model as other cosntr equip	1	4
Generators	2	8
Water Truck	1	3

Elevated Rail Construction

Total length 57 miles

Unit 110 feet per column

Unit Operation	Piling Drilling	
Unit	1 column	
Duration Per Unit	8 days	
Units any given day	33.6	
Phase duration in days	652	
Units per project	2,736	
Equipment	Pieces/Unit	Hrs/Day
Drill rig	1	8
Loader	1	8
Forklift	1	4
Crane	1	4
Concrete pump	1	4

Unit Operation	Beam Fabrication	
Unit	6 spans at a time	
Duration Per Unit	7 days	
Units any given day	3.9	
Phase duration in days	827	
Units per project	456	
Equipment	Pieces/Unit	Hrs/Day
Gen powered concrete batch plant	1	16
Electric concrete pumps	6	8
Cranes	6	6
Generators	12	8
Offroad trucks	6	4
Forklifts	12	6
Loaders	6	6

Unit Operation	Pile Cap Excavation	
Unit	1 column	
Duration Per Unit	2 days	
Units any given day	8.5	
Phase duration in days	642	
Units per project	2,736	
Equipment	Pieces/Unit	Hrs/Day
Excavator	1	8
Water Truck	1	4
Dozer	1	8
Loader	1	8

Unit Operation	Column Pouring	
Unit	1 column	
Duration Per Unit	3 days	
Units any given day	10.8	
Phase duration in days	760	
Units per project	2,736	
Equipment	Pieces/Unit	Hrs/Day
Forklift	1	6
Concrete pump	2	8
Loader	1	8
Idling cement truck	2	8
Crane	1	4

Elevated Rail Construction

Total length 57 miles
Unit 110 feet per column

Unit Operation	Pile cap pouring	
Unit	1 column	
Duration Per Unit	1 day	
Units any given day	3.6	
Phase duration in days	760	
Units per project	2,736	
Equipment	Pieces/Unit	Hrs/Day
Idling cement truck	2	8
Concrete pump	2	8
Forklift	1	6
Loader	1	6

Unit Operation	Column Crosspiece	
Unit	1 column	
Duration Per Unit	5 days	
Units any given day	18.2	
Phase duration in days	750	
Units per project	2,736	
Equipment	Pieces/Unit	Hrs/Day
Aerial lift	1	4
Crane	1	4
Forklift	1	8
Loader	1	8
Welders	2	8

Unit Operation	Beam Placement	
Unit	1 beam (110-ft)	
Duration Per Unit	1 day	
Units any given day	3.5	
Phase duration in days	782	
Units per project	2,736	
Equipment	Pieces/Unit	Hrs/Day
Crane	2	4
Forklifts	2	8
Loaders	2	8
Diesel span machine (1,000 hp)	2	8
Generators	4	8

G:\Los Angeles\3_Projects\Air Quality\DesertXpress_Final_EIS\DXE_Construction Emissions_28FEB2011.xls]Elevated Rail Assur

Tunnel Excavation and Tunnel Finishing

Total length

2.3 miles each direction, 4.6 miles total

Unit

Unit Operation	Portal Excavation	
Unit	30 feet per day	
Duration Per Unit	1 day	
Units any given day	2	
Phase duration in days	405	
Units per project	810	
Equipment	Pieces/Unit	Hrs/Day
Dozer	1	20
Loader	1	20
Pump	2	20

Unit Operation	Tunnel boring	
Unit	30 feet per day	
Duration Per Unit	1 day	
Units any given day	2	
Phase duration in days	405	
Units per project	810	
Equipment	Pieces/Unit	Hrs/Day
Boring machine (2,000 hp)	1	20

Unit Operation	Ring installation	
Unit	30 feet of tunnel	
Duration Per Unit	1 day	
Units any given day	2	
Phase duration in days	405	
Units per project	810	
Equipment	Pieces/Unit	Hrs/Day
Crane	1	6
forklift	1	8
Loader	1	8
Generator	1	8

Unit Operation	Portal Shoring (DSM)	
Unit	60 feet per day	
Duration Per Unit	1 day	
Units any given day	2.0	
Phase duration in days	202	
Units per project	405	
Equipment	Pieces/Unit	Hrs/Day
Drill rig	3	8
Loader	3	8
Forklift	3	8
Generator	12	8

G:\Los Angeles\3_Projects\Air Quality\DesertXpress_Final_EIS\DXE_Construction Emissions_28FEB2011.xls]Tunnel Boring

DXE At Grade Construction
Mojave Desert AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Utility Company	Statewide Average
Climate Zone	10	Precipitation Freq (Days)	30		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - 38-month construction schedule

9/1/2011 - 3/31/2014

10/1/2011 - 5/30/2014

11/1/2011 - 6/30/2014

12/1/2011 - 9/30/2014

Off-road Equipment - 32 crews @ 1 dozer, loader, grader, roller and water truck each

Off-road Equipment - per 0.7 acre of activity

Off-road Equipment - 11 crews @ 1 dozer, loader and water truck each

Off-road Equipment - 32 crews @ 1 dozer, loader, grader, roller and water truck each

Off-road Equipment - 6 crews @ 1 locomotive, crane, ballast temper, water truck, and 2 generators each

Trips and VMT - +

On-road Fugitive Dust - 7.1 = mean silt content for sand/gravel operation per AP-42

Grading - 850 total acres disturbed (117 miles by 60-ft ROW)

Construction Off-road Equipment Mitigation - All off-road construction equipment shall be Tier-4 certified

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	14.82	111.27	62.63	0.10	156.62	5.97	162.60	85.01	5.97	90.98						9,851.64
2012	65.87	492.92	280.27	0.49	158.27	26.25	184.52	85.03	26.24	111.27						46,582.48
2013	62.35	463.42	268.76	0.49	158.27	24.26	182.53	85.03	24.25	109.28						46,541.61
2014	24.59	181.56	107.88	0.21	157.00	9.38	166.38	85.01	9.38	94.39						19,691.53
Total	167.63	1,249.17	719.54	1.29	630.16	65.86	696.03	340.08	65.84	405.92						122,667.26

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	3.53	5.95	54.32	0.10	61.14	0.30	61.44	33.16	0.29	33.45						9,851.64
2012	16.22	27.92	256.14	0.49	62.00	1.40	63.40	33.18	1.39	34.57						46,582.48
2013	15.92	27.74	254.39	0.49	62.00	1.40	63.40	33.18	1.39	34.57						46,541.61
2014	6.57	11.66	107.25	0.21	61.34	0.59	61.93	33.16	0.59	33.75						19,691.53
Total	42.24	73.27	672.10	1.29	246.48	3.69	250.17	132.68	3.66	136.34						122,667.26

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Area	0.00					0.00	0.00		0.00	0.00							0.00
Total	0.00					0.00	0.00		0.00	0.00							0.00

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Area	0.00					0.00	0.00		0.00	0.00							0.00
Total	0.00					0.00	0.00		0.00	0.00							0.00

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Clean Paved Roads

3.2 Clearing and Grubbing - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					22.84	0.00	22.84	12.32	0.00	12.32						0.00
Off-Road	2.10	17.26	8.84	0.01		0.84	0.84		0.84	0.84						1,479.56
Total	2.10	17.26	8.84	0.01	22.84	0.84	23.68	12.32	0.84	13.16						1,479.56

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.12	0.06	0.59	0.00	0.07	0.00	0.07	0.00	0.00	0.00						50.31
Total	0.12	0.06	0.59	0.00	0.07	0.00	0.07	0.00	0.00	0.00						50.31

3.2 Clearing and Grubbing - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.91	0.00	8.91	4.80	0.00	4.80						0.00
Off-Road	0.41	0.86	6.89	0.01		0.04	0.04		0.04	0.04						1,479.56
Total	0.41	0.86	6.89	0.01	8.91	0.04	8.95	4.80	0.04	4.84						1,479.56

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.12	0.06	0.59	0.00	0.03	0.00	0.04	0.00	0.00	0.00						50.31
Total	0.12	0.06	0.59	0.00	0.03	0.00	0.04	0.00	0.00	0.00						50.31

3.2 Clearing and Grubbing - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					22.84	0.00	22.84	12.32	0.00	12.32						0.00
Off-Road	6.00	48.73	25.10	0.04		2.35	2.35		2.35	2.35						4,438.12
Total	6.00	48.73	25.10	0.04	22.84	2.35	25.19	12.32	2.35	14.67						4,438.12

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.33	0.17	1.58	0.00	0.20	0.01	0.21	0.00	0.01	0.01						147.46
Total	0.33	0.17	1.58	0.00	0.20	0.01	0.21	0.00	0.01	0.01						147.46

3.2 Clearing and Grubbing - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					8.91	0.00	8.91	4.80	0.00	4.80							0.00
Off-Road	1.24	2.58	20.68	0.04		0.13	0.13		0.13	0.13							4,438.12
Total	1.24	2.58	20.68	0.04	8.91	0.13	9.04	4.80	0.13	4.93							4,438.12

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.33	0.17	1.58	0.00	0.10	0.01	0.11	0.00	0.01	0.01							147.46
Total	0.33	0.17	1.58	0.00	0.10	0.01	0.11	0.00	0.01	0.01							147.46

3.2 Clearing and Grubbing - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					22.84	0.00	22.84	12.32	0.00	12.32						0.00
Off-Road	5.72	45.86	23.79	0.04		2.17	2.17		2.17	2.17						4,437.71
Total	5.72	45.86	23.79	0.04	22.84	2.17	25.01	12.32	2.17	14.49						4,437.71

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.30	0.15	1.42	0.00	0.20	0.01	0.21	0.00	0.01	0.01						144.11
Total	0.30	0.15	1.42	0.00	0.20	0.01	0.21	0.00	0.01	0.01						144.11

3.2 Clearing and Grubbing - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.91	0.00	8.91	4.80	0.00	4.80						0.00
Off-Road	1.24	2.58	20.68	0.04		0.13	0.13		0.13	0.13						4,437.71
Total	1.24	2.58	20.68	0.04	8.91	0.13	9.04	4.80	0.13	4.93						4,437.71

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.30	0.15	1.42	0.00	0.10	0.01	0.11	0.00	0.01	0.01						144.11
Total	0.30	0.15	1.42	0.00	0.10	0.01	0.11	0.00	0.01	0.01						144.11

3.2 Clearing and Grubbing - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					22.84	0.00	22.84	12.32	0.00	12.32							0.00
Off-Road	1.33	10.46	5.54	0.01		0.49	0.49		0.49	0.49							1,088.05
Total	1.33	10.46	5.54	0.01	22.84	0.49	23.33	12.32	0.49	12.81							1,088.05

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.07	0.03	0.31	0.00	0.05	0.00	0.05	0.00	0.00	0.00							34.63
Total	0.07	0.03	0.31	0.00	0.05	0.00	0.05	0.00	0.00	0.00							34.63

3.2 Clearing and Grubbing - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.91	0.00	8.91	4.80	0.00	4.80						0.00
Off-Road	0.30	0.63	5.07	0.01		0.03	0.03		0.03	0.03						1,088.05
Total	0.30	0.63	5.07	0.01	8.91	0.03	8.94	4.80	0.03	4.83						1,088.05

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.07	0.03	0.31	0.00	0.03	0.00	0.03	0.00	0.00	0.00						34.63
Total	0.07	0.03	0.31	0.00	0.03	0.00	0.03	0.00	0.00	0.00						34.63

3.3 Select Fill (3-ft) - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					67.71	0.00	67.71	36.90	0.00	36.90						0.00
Off-Road	6.86	53.90	28.78	0.05		2.95	2.95		2.95	2.95						4,597.38
Total	6.86	53.90	28.78	0.05	67.71	2.95	70.66	36.90	2.95	39.85						4,597.38

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.44	0.22	2.11	0.00	0.24	0.01	0.25	0.00	0.01	0.01						181.15
Total	0.44	0.22	2.11	0.00	0.24	0.01	0.25	0.00	0.01	0.01						181.15

3.3 Select Fill (3-ft) - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					26.41	0.00	26.41	14.39	0.00	14.39							0.00
Off-Road	1.30	2.67	24.87	0.05		0.13	0.13		0.13	0.13							4,597.38
Total	1.30	2.67	24.87	0.05	26.41	0.13	26.54	14.39	0.13	14.52							4,597.38

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.44	0.22	2.11	0.00	0.12	0.01	0.13	0.00	0.01	0.01							181.15
Total	0.44	0.22	2.11	0.00	0.12	0.01	0.13	0.00	0.01	0.01							181.15

3.3 Select Fill (3-ft) - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					67.71	0.00	67.71	36.90	0.00	36.90						0.00
Off-Road	26.14	203.59	111.22	0.19		11.03	11.03		11.03	11.03						18,457.70
Total	26.14	203.59	111.22	0.19	67.71	11.03	78.74	36.90	11.03	47.93						18,457.70

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	1.60	0.81	7.61	0.01	0.96	0.04	1.00	0.01	0.04	0.05						710.67
Total	1.60	0.81	7.61	0.01	0.96	0.04	1.00	0.01	0.04	0.05						710.67

3.3 Select Fill (3-ft) - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					26.41	0.00	26.41	14.39	0.00	14.39						0.00
Off-Road	5.21	10.71	99.85	0.19		0.54	0.54		0.54	0.54						18,457.70
Total	5.21	10.71	99.85	0.19	26.41	0.54	26.95	14.39	0.54	14.93						18,457.70

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	1.60	0.81	7.61	0.01	0.50	0.04	0.54	0.01	0.04	0.05						710.67
Total	1.60	0.81	7.61	0.01	0.50	0.04	0.54	0.01	0.04	0.05						710.67

3.3 Select Fill (3-ft) - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					67.71	0.00	67.71	36.90	0.00	36.90						0.00
Off-Road	24.81	191.57	107.24	0.19		10.19	10.19		10.19	10.19						18,455.53
Total	24.81	191.57	107.24	0.19	67.71	10.19	77.90	36.90	10.19	47.09						18,455.53

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	1.46	0.73	6.82	0.01	0.96	0.04	1.00	0.01	0.04	0.05						694.52
Total	1.46	0.73	6.82	0.01	0.96	0.04	1.00	0.01	0.04	0.05						694.52

3.3 Select Fill (3-ft) - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					26.41	0.00	26.41	14.39	0.00	14.39						0.00
Off-Road	5.21	10.71	99.85	0.19		0.54	0.54		0.54	0.54						18,455.53
Total	5.21	10.71	99.85	0.19	26.41	0.54	26.95	14.39	0.54	14.93						18,455.53

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	1.46	0.73	6.82	0.01	0.50	0.04	0.54	0.01	0.04	0.05						694.52
Total	1.46	0.73	6.82	0.01	0.50	0.04	0.54	0.01	0.04	0.05						694.52

3.3 Select Fill (3-ft) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					67.71	0.00	67.71	36.90	0.00	36.90						0.00
Off-Road	9.72	73.99	42.88	0.08		3.88	3.88		3.88	3.88						7,635.84
Total	9.72	73.99	42.88	0.08	67.71	3.88	71.59	36.90	3.88	40.78						7,635.84

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.55	0.27	2.54	0.00	0.40	0.02	0.41	0.01	0.02	0.02						281.63
Total	0.55	0.27	2.54	0.00	0.40	0.02	0.41	0.01	0.02	0.02						281.63

3.3 Select Fill (3-ft) - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					26.41	0.00	26.41	14.39	0.00	14.39						0.00
Off-Road	2.15	4.43	41.32	0.08		0.22	0.22		0.22	0.22						7,635.84
Total	2.15	4.43	41.32	0.08	26.41	0.22	26.63	14.39	0.22	14.61						7,635.84

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.55	0.27	2.54	0.00	0.21	0.02	0.22	0.01	0.02	0.02						281.63
Total	0.55	0.27	2.54	0.00	0.21	0.02	0.22	0.01	0.02	0.02						281.63

3.4 Ballast (2.5-ft) - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					65.61	0.00	65.61	35.78	0.00	35.78						0.00
Off-Road	4.64	36.48	19.48	0.03		2.00	2.00		2.00	2.00						3,112.07
Total	4.64	36.48	19.48	0.03	65.61	2.00	67.61	35.78	2.00	37.78						3,112.07

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.29	0.15	1.43	0.00	0.16	0.01	0.17	0.00	0.01	0.01						122.62
Total	0.29	0.15	1.43	0.00	0.16	0.01	0.17	0.00	0.01	0.01						122.62

3.4 Ballast (2.5-ft) - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					25.59	0.00	25.59	13.95	0.00	13.95						0.00
Off-Road	0.88	1.81	16.83	0.03		0.09	0.09		0.09	0.09						3,112.07
Total	0.88	1.81	16.83	0.03	25.59	0.09	25.68	13.95	0.09	14.04						3,112.07

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.29	0.15	1.43	0.00	0.08	0.01	0.09	0.00	0.01	0.01						122.62
Total	0.29	0.15	1.43	0.00	0.08	0.01	0.09	0.00	0.01	0.01						122.62

3.4 Ballast (2.5-ft) - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					65.61	0.00	65.61	35.78	0.00	35.78						0.00
Off-Road	26.14	203.59	111.22	0.19		11.03	11.03		11.03	11.03						18,457.70
Total	26.14	203.59	111.22	0.19	65.61	11.03	76.64	35.78	11.03	46.81						18,457.70

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	1.60	0.81	7.61	0.01	0.96	0.04	1.00	0.01	0.04	0.05						710.67
Total	1.60	0.81	7.61	0.01	0.96	0.04	1.00	0.01	0.04	0.05						710.67

3.4 Ballast (2.5-ft) - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					25.59	0.00	25.59	13.95	0.00	13.95						0.00
Off-Road	5.21	10.71	99.85	0.19		0.54	0.54		0.54	0.54						18,457.70
Total	5.21	10.71	99.85	0.19	25.59	0.54	26.13	13.95	0.54	14.49						18,457.70

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	1.60	0.81	7.61	0.01	0.50	0.04	0.54	0.01	0.04	0.05						710.67
Total	1.60	0.81	7.61	0.01	0.50	0.04	0.54	0.01	0.04	0.05						710.67

3.4 Ballast (2.5-ft) - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					65.61	0.00	65.61	35.78	0.00	35.78						0.00
Off-Road	24.81	191.57	107.24	0.19		10.19	10.19		10.19	10.19						18,455.53
Total	24.81	191.57	107.24	0.19	65.61	10.19	75.80	35.78	10.19	45.97						18,455.53

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	1.46	0.73	6.82	0.01	0.96	0.04	1.00	0.01	0.04	0.05						694.52
Total	1.46	0.73	6.82	0.01	0.96	0.04	1.00	0.01	0.04	0.05						694.52

3.4 Ballast (2.5-ft) - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					25.59	0.00	25.59	13.95	0.00	13.95						0.00
Off-Road	5.21	10.71	99.85	0.19		0.54	0.54		0.54	0.54						18,455.53
Total	5.21	10.71	99.85	0.19	25.59	0.54	26.13	13.95	0.54	14.49						18,455.53

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	1.46	0.73	6.82	0.01	0.50	0.04	0.54	0.01	0.04	0.05						694.52
Total	1.46	0.73	6.82	0.01	0.50	0.04	0.54	0.01	0.04	0.05						694.52

3.4 Ballast (2.5-ft) - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					65.61	0.00	65.61	35.78	0.00	35.78						0.00
Off-Road	9.72	73.99	42.88	0.08		3.88	3.88		3.88	3.88						7,635.84
Total	9.72	73.99	42.88	0.08	65.61	3.88	69.49	35.78	3.88	39.66						7,635.84

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.55	0.27	2.54	0.00	0.40	0.02	0.41	0.01	0.02	0.02						281.63
Total	0.55	0.27	2.54	0.00	0.40	0.02	0.41	0.01	0.02	0.02						281.63

3.4 Ballast (2.5-ft) - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					25.59	0.00	25.59	13.95	0.00	13.95						0.00
Off-Road	2.15	4.43	41.32	0.08		0.22	0.22		0.22	0.22						7,635.84
Total	2.15	4.43	41.32	0.08	25.59	0.22	25.81	13.95	0.22	14.17						7,635.84

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.55	0.27	2.54	0.00	0.21	0.02	0.22	0.01	0.02	0.02						281.63
Total	0.55	0.27	2.54	0.00	0.21	0.02	0.22	0.01	0.02	0.02						281.63

3.5 Track Installation - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.37	3.19	1.39	0.00		0.16	0.16		0.16	0.16							308.56
Total	0.37	3.19	1.39	0.00		0.16	0.16		0.16	0.16							308.56

Unmitigated Construction Off-Site

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

3.5 Track Installation - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.09	0.18	1.60	0.00		0.01	0.01		0.01	0.01							308.56
Total	0.09	0.18	1.60	0.00		0.01	0.01		0.01	0.01							308.56

Mitigated Construction Off-Site

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

3.5 Track Installation - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	4.07	35.23	15.93	0.04		1.75	1.75		1.75	1.75							3,660.15
Total	4.07	35.23	15.93	0.04		1.75	1.75		1.75	1.75							3,660.15

Unmitigated Construction Off-Site

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

3.5 Track Installation - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.04	2.13	18.95	0.04		0.11	0.11		0.11	0.11							3,660.15
Total	1.04	2.13	18.95	0.04		0.11	0.11		0.11	0.11							3,660.15

Mitigated Construction Off-Site

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

3.5 Track Installation - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	3.80	32.80	15.43	0.04		1.60	1.60		1.60	1.60							3,659.68
Total	3.80	32.80	15.43	0.04		1.60	1.60		1.60	1.60							3,659.68

Unmitigated Construction Off-Site

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

3.5 Track Installation - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.04	2.13	18.95	0.04		0.11	0.11		0.11	0.11							3,659.68
Total	1.04	2.13	18.95	0.04		0.11	0.11		0.11	0.11							3,659.68

Mitigated Construction Off-Site

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

3.5 Track Installation - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	2.64	22.54	11.20	0.03		1.09	1.09		1.09	1.09							2,733.91
Total	2.64	22.54	11.20	0.03		1.09	1.09		1.09	1.09							2,733.91

Unmitigated Construction Off-Site

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

3.5 Track Installation - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.78	1.59	14.16	0.03		0.08	0.08		0.08	0.08							2,733.91
Total	0.78	1.59	14.16	0.03		0.08	0.08		0.08	0.08							2,733.91

Mitigated Construction Off-Site

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

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

Provide Riade Sharing Program

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

Land Use	Miles			Trip %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW

5.0 Energy Detail

5.1 Mitigation Measures Energy

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Mitigated	0.00					0.00	0.00		0.00	0.00							0.00
Unmitigated	0.00					0.00	0.00		0.00	0.00							0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.00					0.00	0.00		0.00	0.00							0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00							0.00
Total	0.00					0.00	0.00		0.00	0.00							0.00

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.00					0.00	0.00		0.00	0.00							0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00							0.00
Total	0.00					0.00	0.00		0.00	0.00							0.00

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

DXE on Structure Construction
Mojave Desert AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Utility Company	Statewide Average
Climate Zone	10	Precipitation Freq (Days)	30		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - 38-month construction schedule

9/1/2011 - 2/28/2014 pile drilling

9/1/2011 - 10/31/2014 beam fab

9/15/2011 - 2/28/14 cap excav

10/1/2011 - 8/31/2014 column pour

10/1/2011 - 8/31/2014 cap pour

10/15/2011 - 8/31/2014 column crosspiece

12/1/2011 - 11/30/2014 beam placement

Off-road Equipment - per 0.7 acre of activity in 6 work days

Off-road Equipment - 3.9 crews @ 6 cranes, idling cement trucks, loaders, and 12 generators and forklifts each

Off-road Equipment - 3.5 crews @ 2 cranes, forklifts, loaders and span machines, and 4 generators each

Off-road Equipment - 18.2 crews @ 1 lift, crane, forklift and loader, and 2 welders each

Off-road Equipment - 10.8 crews @ 2 pumps and idling cement trucks and 1 cranes, forklifts and loaders each

Off-road Equipment - 8.5 crews @ 1 dozer, loader, excavator and water truck each

Off-road Equipment - 3.6 crews @ 2 pumps and idling cement trucks and 1 forklifts and loaders each

Off-road Equipment - 33.6 crews @ 1 drill rig, crane, pump, forklift and loader each

Trips and VMT - +

On-road Fugitive Dust - 7.1 = mean material silt content for sand/gravel operation per AP-42

0.03 = road silt loading factor for "pile cap excavation" trips occurring on urban streets with <10,000 ADT per AP-42

Grading - 10.5 crews/day * 8 hours/day * 35 CY/hour * 521 days excavation

Construction Off-road Equipment Mitigation - +

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	16.84	117.87	64.71	0.12	45.15	8.04	53.19	9.59	8.02	17.61						10,529.98
2012	59.64	427.08	235.77	0.45	111.35	27.54	138.89	9.61	27.48	37.09						40,146.16
2013	55.20	398.45	229.55	0.45	111.35	24.99	136.35	9.61	24.94	34.55						40,126.79
2014	29.40	213.46	123.61	0.25	33.17	12.99	46.16	9.58	12.98	22.56						22,229.64
Total	161.08	1,156.86	653.64	1.27	301.02	73.56	374.59	38.39	73.42	111.81						113,032.57

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	3.93	14.26	63.71	0.12	20.67	0.55	21.22	3.74	0.53	4.27						10,529.98
2012	14.65	63.97	240.14	0.45	53.81	1.99	55.80	3.77	1.93	5.70						40,146.16
2013	14.41	62.03	239.22	0.45	53.81	1.91	55.72	3.77	1.85	5.62						40,126.79
2014	7.70	35.90	135.51	0.25	14.68	0.86	15.53	3.74	0.85	4.59						22,229.64
Total	40.69	176.16	678.58	1.27	142.97	5.31	148.27	15.02	5.16	20.18						113,032.57

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Area	0.00					0.00	0.00		0.00	0.00							0.00
Total	0.00					0.00	0.00		0.00	0.00							0.00

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Area	0.00					0.00	0.00		0.00	0.00							0.00
Total	0.00					0.00	0.00		0.00	0.00							0.00

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Clean Paved Roads

3.2 Piling Drilling - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	4.10	30.04	17.74	0.03		2.20	2.20		2.20	2.20							2,761.62
Total	4.10	30.04	17.74	0.03		2.20	2.20		2.20	2.20							2,761.62

Unmitigated Construction Off-Site

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

3.2 Piling Drilling - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.87	1.60	18.02	0.03		0.08	0.08		0.08	0.08							2,761.62
Total	0.87	1.60	18.02	0.03		0.08	0.08		0.08	0.08							2,761.62

Mitigated Construction Off-Site

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

3.2 Piling Drilling - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	11.25	83.65	52.49	0.10		5.96	5.96		5.96	5.96							8,283.06
Total	11.25	83.65	52.49	0.10		5.96	5.96		5.96	5.96							8,283.06

Unmitigated Construction Off-Site

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

3.2 Piling Drilling - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	2.62	4.81	54.06	0.10		0.24	0.24		0.24	0.24							8,283.06
Total	2.62	4.81	54.06	0.10		0.24	0.24		0.24	0.24							8,283.06

Mitigated Construction Off-Site

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

3.2 Piling Drilling - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	10.34	77.79	51.85	0.10		5.28	5.28		5.28	5.28							8,281.49
Total	10.34	77.79	51.85	0.10		5.28	5.28		5.28	5.28							8,281.49

Unmitigated Construction Off-Site

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

3.2 Piling Drilling - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	2.62	4.81	54.06	0.10		0.24	0.24		0.24	0.24							8,281.49
Total	2.62	4.81	54.06	0.10		0.24	0.24		0.24	0.24							8,281.49

Mitigated Construction Off-Site

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

3.2 Piling Drilling - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.57	11.93	8.45	0.02		0.77	0.77		0.77	0.77							1,364.17
Total	1.57	11.93	8.45	0.02		0.77	0.77		0.77	0.77							1,364.17

Unmitigated Construction Off-Site

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

3.2 Piling Drilling - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.43	0.79	8.91	0.02		0.04	0.04		0.04	0.04							1,364.17
Total	0.43	0.79	8.91	0.02		0.04	0.04		0.04	0.04							1,364.17

Mitigated Construction Off-Site

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

3.3 Beam Fabrication - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	4.94	34.36	18.24	0.03		2.52	2.52		2.52	2.52							2,919.62
Total	4.94	34.36	18.24	0.03		2.52	2.52		2.52	2.52							2,919.62

Unmitigated Construction Off-Site

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

3.3 Beam Fabrication - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.91	1.69	18.62	0.03		0.08	0.08		0.08	0.08							2,919.62
Total	0.91	1.69	18.62	0.03		0.08	0.08		0.08	0.08							2,919.62

Mitigated Construction Off-Site

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

3.3 Beam Fabrication - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	13.75	96.38	53.87	0.10		7.00	7.00		7.00	7.00							8,757.09
Total	13.75	96.38	53.87	0.10		7.00	7.00		7.00	7.00							8,757.09

Unmitigated Construction Off-Site

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

3.3 Beam Fabrication - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	2.74	5.08	55.85	0.10		0.25	0.25		0.25	0.25							8,757.09
Total	2.74	5.08	55.85	0.10		0.25	0.25		0.25	0.25							8,757.09

Mitigated Construction Off-Site

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

3.3 Beam Fabrication - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	12.71	90.00	53.09	0.10		6.39	6.39		6.39	6.39							8,755.23
Total	12.71	90.00	53.09	0.10		6.39	6.39		6.39	6.39							8,755.23

Unmitigated Construction Off-Site

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

3.3 Beam Fabrication - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	2.74	5.08	55.85	0.10		0.25	0.25		0.25	0.25							8,755.23
Total	2.74	5.08	55.85	0.10		0.25	0.25		0.25	0.25							8,755.23

Mitigated Construction Off-Site

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

3.3 Beam Fabrication - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	9.78	70.04	43.76	0.08		4.82	4.82		4.82	4.82							7,311.42
Total	9.78	70.04	43.76	0.08		4.82	4.82		4.82	4.82							7,311.42

Unmitigated Construction Off-Site

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

3.3 Beam Fabrication - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	2.29	4.24	46.65	0.08		0.21	0.21		0.21	0.21							7,311.42
Total	2.29	4.24	46.65	0.08		0.21	0.21		0.21	0.21							7,311.42

Mitigated Construction Off-Site

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

3.4 Pile Cap Excavation - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					17.48	0.00	17.48	9.58	0.00	9.58							0.00
Off-Road	1.91	15.00	7.95	0.01		0.82	0.82		0.82	0.82							1,298.71
Total	1.91	15.00	7.95	0.01	17.48	0.82	18.30	9.58	0.82	10.40							1,298.71

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.47	5.68	1.88	0.01	27.55	0.24	27.79	0.01	0.23	0.23							643.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.11	0.06	0.53	0.00	0.02	0.00	0.02	0.00	0.00	0.00							45.60
Total	0.58	5.74	2.41	0.01	27.57	0.24	27.81	0.01	0.23	0.23							688.63

3.4 Pile Cap Excavation - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					6.82	0.00	6.82	3.73	0.00	3.73							0.00
Off-Road	0.37	0.75	6.48	0.01		0.04	0.04		0.04	0.04							1,298.71
Total	0.37	0.75	6.48	0.01	6.82	0.04	6.86	3.73	0.04	3.77							1,298.71

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.47	5.68	1.88	0.01	13.78	0.24	14.03	0.01	0.23	0.23							643.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.11	0.06	0.53	0.00	0.01	0.00	0.01	0.00	0.00	0.00							45.60
Total	0.58	5.74	2.41	0.01	13.79	0.24	14.04	0.01	0.23	0.23							688.63

3.4 Pile Cap Excavation - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					17.48	0.00	17.48	9.58	0.00	9.58						0.00
Off-Road	6.12	47.71	25.71	0.04		2.56	2.56		2.56	2.56						4,401.50
Total	6.12	47.71	25.71	0.04	17.48	2.56	20.04	9.58	2.56	12.14						4,401.50

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.43	17.29	5.98	0.02	93.37	0.74	94.11	0.03	0.68	0.71						2,178.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.34	0.17	1.62	0.00	0.05	0.01	0.06	0.00	0.01	0.01						151.02
Total	1.77	17.46	7.60	0.02	93.42	0.75	94.17	0.03	0.69	0.72						2,329.47

3.4 Pile Cap Excavation - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.82	0.00	6.82	3.73	0.00	3.73						0.00
Off-Road	1.26	2.56	21.96	0.04		0.13	0.13		0.13	0.13						4,401.50
Total	1.26	2.56	21.96	0.04	6.82	0.13	6.95	3.73	0.13	3.86						4,401.50

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.43	17.29	5.98	0.02	46.73	0.74	47.47	0.03	0.68	0.71						2,178.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.34	0.17	1.62	0.00	0.03	0.01	0.04	0.00	0.01	0.01						151.02
Total	1.77	17.46	7.60	0.02	46.76	0.75	47.51	0.03	0.69	0.72						2,329.47

3.4 Pile Cap Excavation - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					17.48	0.00	17.48	9.58	0.00	9.58						0.00
Off-Road	5.80	44.80	24.59	0.04		2.34	2.34		2.34	2.34						4,400.99
Total	5.80	44.80	24.59	0.04	17.48	2.34	19.82	9.58	2.34	11.92						4,400.99

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.28	15.40	5.59	0.02	93.37	0.66	94.03	0.03	0.61	0.63						2,177.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.31	0.15	1.45	0.00	0.05	0.01	0.06	0.00	0.01	0.01						147.59
Total	1.59	15.55	7.04	0.02	93.42	0.67	94.09	0.03	0.62	0.64						2,324.87

3.4 Pile Cap Excavation - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.82	0.00	6.82	3.73	0.00	3.73						0.00
Off-Road	1.26	2.56	21.96	0.04		0.13	0.13		0.13	0.13						4,400.99
Total	1.26	2.56	21.96	0.04	6.82	0.13	6.95	3.73	0.13	3.86						4,400.99

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.28	15.40	5.59	0.02	46.73	0.66	47.38	0.03	0.61	0.63						2,177.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.31	0.15	1.45	0.00	0.03	0.01	0.04	0.00	0.01	0.01						147.59
Total	1.59	15.55	7.04	0.02	46.76	0.67	47.42	0.03	0.62	0.64						2,324.87

3.4 Pile Cap Excavation - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					17.48	0.00	17.48	9.58	0.00	9.58						0.00
Off-Road	0.90	6.86	3.88	0.01		0.35	0.35		0.35	0.35						724.97
Total	0.90	6.86	3.88	0.01	17.48	0.35	17.83	9.58	0.35	9.93						724.97

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.19	2.25	0.86	0.00	15.38	0.10	15.48	0.00	0.09	0.09						358.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.05	0.02	0.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00						23.83
Total	0.24	2.27	1.07	0.00	15.39	0.10	15.49	0.00	0.09	0.09						382.76

3.4 Pile Cap Excavation - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.82	0.00	6.82	3.73	0.00	3.73						0.00
Off-Road	0.21	0.42	3.62	0.01		0.02	0.02		0.02	0.02						724.97
Total	0.21	0.42	3.62	0.01	6.82	0.02	6.84	3.73	0.02	3.75						724.97

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.19	2.25	0.86	0.00	7.70	0.10	7.79	0.00	0.09	0.09						358.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.05	0.02	0.21	0.00	0.01	0.00	0.01	0.00	0.00	0.00						23.83
Total	0.24	2.27	1.07	0.00	7.71	0.10	7.80	0.00	0.09	0.09						382.76

3.5 Column Pouring - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.67	11.83	6.02	0.01		0.83	0.83		0.83	0.83							1,048.01
Total	1.67	11.83	6.02	0.01		0.83	0.83		0.83	0.83							1,048.01

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.20	0.11	0.99	0.00	0.11	0.00	0.12	0.00	0.00	0.01							85.14
Total	0.20	0.11	0.99	0.00	0.11	0.00	0.12	0.00	0.00	0.01							85.14

3.5 Column Pouring - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.32	0.61	6.36	0.01		0.03	0.03		0.03	0.03							1,048.01
Total	0.32	0.61	6.36	0.01		0.03	0.03		0.03	0.03							1,048.01

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.20	0.11	0.99	0.00	0.06	0.00	0.06	0.00	0.00	0.01							85.14
Total	0.20	0.11	0.99	0.00	0.06	0.00	0.06	0.00	0.00	0.01							85.14

3.5 Column Pouring - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	6.26	44.33	23.73	0.05		3.07	3.07		3.07	3.07							4,207.36
Total	6.26	44.33	23.73	0.05		3.07	3.07		3.07	3.07							4,207.36

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.75	0.38	3.58	0.00	0.45	0.02	0.47	0.01	0.02	0.03							334.02
Total	0.75	0.38	3.58	0.00	0.45	0.02	0.47	0.01	0.02	0.03							334.02

3.5 Column Pouring - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.29	2.44	25.53	0.05		0.12	0.12		0.12	0.12							4,207.36
Total	1.29	2.44	25.53	0.05		0.12	0.12		0.12	0.12							4,207.36

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.75	0.38	3.58	0.00	0.23	0.02	0.25	0.01	0.02	0.03							334.02
Total	0.75	0.38	3.58	0.00	0.23	0.02	0.25	0.01	0.02	0.03							334.02

3.5 Column Pouring - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	5.81	41.32	23.34	0.05		2.81	2.81		2.81	2.81							4,206.63
Total	5.81	41.32	23.34	0.05		2.81	2.81		2.81	2.81							4,206.63

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.69	0.34	3.21	0.00	0.45	0.02	0.47	0.01	0.02	0.03							326.43
Total	0.69	0.34	3.21	0.00	0.45	0.02	0.47	0.01	0.02	0.03							326.43

3.5 Column Pouring - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.29	2.44	25.53	0.05		0.12	0.12		0.12	0.12							4,206.63
Total	1.29	2.44	25.53	0.05		0.12	0.12		0.12	0.12							4,206.63

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.69	0.34	3.21	0.00	0.23	0.02	0.25	0.01	0.02	0.03							326.43
Total	0.69	0.34	3.21	0.00	0.23	0.02	0.25	0.01	0.02	0.03							326.43

3.5 Column Pouring - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	3.56	25.40	15.25	0.03		1.68	1.68		1.68	1.68							2,787.79
Total	3.56	25.40	15.25	0.03		1.68	1.68		1.68	1.68							2,787.79

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.42	0.20	1.91	0.00	0.30	0.01	0.31	0.00	0.01	0.02							212.03
Total	0.42	0.20	1.91	0.00	0.30	0.01	0.31	0.00	0.01	0.02							212.03

3.5 Column Pouring - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.86	1.62	16.92	0.03		0.08	0.08		0.08	0.08						2,787.79
Total	0.86	1.62	16.92	0.03		0.08	0.08		0.08	0.08						2,787.79

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.42	0.20	1.91	0.00	0.16	0.01	0.17	0.00	0.01	0.02						212.03
Total	0.42	0.20	1.91	0.00	0.16	0.01	0.17	0.00	0.01	0.02						212.03

3.6 Pile Cap Pouring - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.54	3.64	1.98	0.00		0.27	0.27		0.27	0.27							323.36
Total	0.54	3.64	1.98	0.00		0.27	0.27		0.27	0.27							323.36

Unmitigated Construction Off-Site

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

3.6 Pile Cap Pouring - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.10	0.19	2.05	0.00		0.01	0.01		0.01	0.01							323.36
Total	0.10	0.19	2.05	0.00		0.01	0.01		0.01	0.01							323.36

Mitigated Construction Off-Site

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

3.6 Pile Cap Pouring - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	2.01	13.64	7.83	0.01		1.02	1.02		1.02	1.02							1,298.15
Total	2.01	13.64	7.83	0.01		1.02	1.02		1.02	1.02							1,298.15

Unmitigated Construction Off-Site

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

3.6 Pile Cap Pouring - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.41	0.75	8.24	0.01		0.04	0.04		0.04	0.04							1,298.15
Total	0.41	0.75	8.24	0.01		0.04	0.04		0.04	0.04							1,298.15

Mitigated Construction Off-Site

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

3.6 Pile Cap Pouring - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.86	12.73	7.72	0.01		0.93	0.93		0.93	0.93							1,297.91
Total	1.86	12.73	7.72	0.01		0.93	0.93		0.93	0.93							1,297.91

Unmitigated Construction Off-Site

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

3.6 Pile Cap Pouring - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.41	0.75	8.24	0.01		0.04	0.04		0.04	0.04							1,297.91
Total	0.41	0.75	8.24	0.01		0.04	0.04		0.04	0.04							1,297.91

Mitigated Construction Off-Site

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

3.6 Pile Cap Pouring - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.14	7.84	5.05	0.01		0.56	0.56		0.56	0.56							860.13
Total	1.14	7.84	5.05	0.01		0.56	0.56		0.56	0.56							860.13

Unmitigated Construction Off-Site

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

3.6 Pile Cap Pouring - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.27	0.50	5.46	0.01		0.02	0.02		0.02	0.02							860.13
Total	0.27	0.50	5.46	0.01		0.02	0.02		0.02	0.02							860.13

Mitigated Construction Off-Site

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

3.7 Column Crosspiece - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	2.15	10.19	6.73	0.01		0.83	0.83		0.83	0.83							861.08
Total	2.15	10.19	6.73	0.01		0.83	0.83		0.83	0.83							861.08

Unmitigated Construction Off-Site

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

3.7 Column Crosspiece - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.41	1.66	5.74	0.01		0.03	0.03		0.03	0.03							861.08
Total	0.41	1.66	5.74	0.01		0.03	0.03		0.03	0.03							861.08

Mitigated Construction Off-Site

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

3.7 Column Crosspiece - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	9.47	45.74	31.23	0.05		3.65	3.65		3.65	3.65							4,084.94
Total	9.47	45.74	31.23	0.05		3.65	3.65		3.65	3.65							4,084.94

Unmitigated Construction Off-Site

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

3.7 Column Crosspiece - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.96	7.87	27.24	0.05		0.13	0.13		0.13	0.13							4,084.94
Total	1.96	7.87	27.24	0.05		0.13	0.13		0.13	0.13							4,084.94

Mitigated Construction Off-Site

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

3.7 Column Crosspiece - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	8.73	43.03	30.52	0.05		3.33	3.33		3.33	3.33							4,083.66
Total	8.73	43.03	30.52	0.05		3.33	3.33		3.33	3.33							4,083.66

Unmitigated Construction Off-Site

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

3.7 Column Crosspiece - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.96	7.87	27.24	0.05		0.13	0.13		0.13	0.13							4,083.66
Total	1.96	7.87	27.24	0.05		0.13	0.13		0.13	0.13							4,083.66

Mitigated Construction Off-Site

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

3.7 Column Crosspiece - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	5.30	26.77	19.77	0.03		2.00	2.00		2.00	2.00							2,705.97
Total	5.30	26.77	19.77	0.03		2.00	2.00		2.00	2.00							2,705.97

Unmitigated Construction Off-Site

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

3.7 Column Crosspiece - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.30	5.21	18.06	0.03		0.09	0.09		0.09	0.09							2,705.97
Total	1.30	5.21	18.06	0.03		0.09	0.09		0.09	0.09							2,705.97

Mitigated Construction Off-Site

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

3.8 Beam Placement - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.75	6.98	2.65	0.01		0.32	0.32		0.32	0.32							543.82
Total	0.75	6.98	2.65	0.01		0.32	0.32		0.32	0.32							543.82

Unmitigated Construction Off-Site

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

3.8 Beam Placement - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.16	1.91	3.04	0.01		0.03	0.03		0.03	0.03							543.82
Total	0.16	1.91	3.04	0.01		0.03	0.03		0.03	0.03							543.82

Mitigated Construction Off-Site

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

3.8 Beam Placement - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	8.27	77.79	29.73	0.07		3.51	3.51		3.51	3.51							6,450.57
Total	8.27	77.79	29.73	0.07		3.51	3.51		3.51	3.51							6,450.57

Unmitigated Construction Off-Site

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

3.8 Beam Placement - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.85	22.62	36.09	0.07		0.31	0.31		0.31	0.31							6,450.57
Total	1.85	22.62	36.09	0.07		0.31	0.31		0.31	0.31							6,450.57

Mitigated Construction Off-Site

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

3.8 Beam Placement - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	7.68	72.88	28.20	0.07		3.22	3.22		3.22	3.22							6,449.60
Total	7.68	72.88	28.20	0.07		3.22	3.22		3.22	3.22							6,449.60

Unmitigated Construction Off-Site

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

3.8 Beam Placement - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.85	22.62	36.09	0.07		0.31	0.31		0.31	0.31							6,449.60
Total	1.85	22.62	36.09	0.07		0.31	0.31		0.31	0.31							6,449.60

Mitigated Construction Off-Site

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

3.8 Beam Placement - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	6.49	62.15	24.45	0.06		2.69	2.69		2.69	2.69							5,880.40
Total	6.49	62.15	24.45	0.06		2.69	2.69		2.69	2.69							5,880.40

Unmitigated Construction Off-Site

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

3.8 Beam Placement - 2014

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.69	20.63	32.91	0.06		0.28	0.28		0.28	0.28							5,880.40
Total	1.69	20.63	32.91	0.06		0.28	0.28		0.28	0.28							5,880.40

Mitigated Construction Off-Site

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

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

Provide Riade Sharing Program

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

Land Use	Miles			Trip %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW

5.0 Energy Detail

5.1 Mitigation Measures Energy

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Mitigated	0.00					0.00	0.00		0.00	0.00							0.00
Unmitigated	0.00					0.00	0.00		0.00	0.00							0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.00					0.00	0.00		0.00	0.00							0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00							0.00
Total	0.00					0.00	0.00		0.00	0.00							0.00

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00						0.00
Total	0.00					0.00	0.00		0.00	0.00						0.00

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

DXE Via Tunnel Construction
Mojave Desert AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Utility Company	Statewide Average
Climate Zone	10	Precipitation Freq (Days)	30		

1.3 User Entered Comments

Project Characteristics -

Land Use -

Construction Phase - Assumes 30 feet of boring progress per day per TBM

Tunneling 11/1/2011 - 5/20/2013

Shoring 9/3/2012 - 6/14/2013

Off-road Equipment - per 0.7 acre of activity in 6 work days

Off-road Equipment - 2 crews @ 1 tunnel boring machine each

Off-road Equipment - 2 crews @ 1 dozer and loader and 2 pumps each

Off-road Equipment - 2 crews @ 1 crane, loader, forklift and generator each

Off-road Equipment - 2 crews @ 12 generators and 3 drill rigs, loaders and forklifts each

Trips and VMT - +

Grading - Export qty is civil engineer estimate

Construction Off-road Equipment Mitigation - +

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

On-road Fugitive Dust - 7.1 = mean silt content for sand/gravel operation per AP-42

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	1.94	18.44	7.41	0.02	6.14	0.79	6.93	3.35	0.79	4.15						2,092.53
2012	12.54	111.45	49.53	0.14	6.34	5.11	11.45	3.36	5.11	8.47						13,426.31
2013	6.04	49.19	25.68	0.06	6.29	2.54	8.82	3.36	2.54	5.89						6,158.82
Total	20.52	179.08	82.62	0.22	18.77	8.44	27.20	10.07	8.44	18.51						21,677.66

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2011	0.62	1.23	9.73	0.02	2.41	0.06	2.47	1.31	0.06	1.37						2,092.53
2012	4.11	7.89	65.11	0.14	2.61	0.40	3.01	1.31	0.39	1.71						13,426.31
2013	2.00	3.64	32.31	0.06	2.56	0.18	2.74	1.31	0.18	1.49						6,158.82
Total	6.73	12.76	107.15	0.22	7.58	0.64	8.22	3.93	0.63	4.57						21,677.66

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Area	0.00					0.00	0.00		0.00	0.00							0.00
Total	0.00					0.00	0.00		0.00	0.00							0.00

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Area	0.00					0.00	0.00		0.00	0.00							0.00
Total	0.00					0.00	0.00		0.00	0.00							0.00

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

3.2 Evcavation - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.12	0.00	6.12	3.35	0.00	3.35						0.00
Off-Road	0.64	4.79	2.69	0.00		0.29	0.29		0.29	0.29						383.23
Total	0.64	4.79	2.69	0.00	6.12	0.29	6.41	3.35	0.29	3.64						383.23

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00						6.13
Total	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00						6.13

3.2 Evcavation - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust					2.39	0.00	2.39	1.31	0.00	1.31							0.00
Off-Road	0.11	0.22	2.13	0.00		0.01	0.01		0.01	0.01							383.23
Total	0.11	0.22	2.13	0.00	2.39	0.01	2.40	1.31	0.01	1.32							383.23

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00							6.13
Total	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00							6.13

3.2 Evcavation - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.12	0.00	6.12	3.35	0.00	3.35						0.00
Off-Road	3.56	26.83	15.34	0.02		1.62	1.62		1.62	1.62						2,272.87
Total	3.56	26.83	15.34	0.02	6.12	1.62	7.74	3.35	1.62	4.97						2,272.87

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.08	0.04	0.38	0.00	0.05	0.00	0.05	0.00	0.00	0.00						35.53
Total	0.08	0.04	0.38	0.00	0.05	0.00	0.05	0.00	0.00	0.00						35.53

3.2 Evcavation - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.39	0.00	2.39	1.31	0.00	1.31						0.00
Off-Road	0.67	1.32	12.63	0.02		0.07	0.07		0.07	0.07						2,272.87
Total	0.67	1.32	12.63	0.02	2.39	0.07	2.46	1.31	0.07	1.38						2,272.87

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.08	0.04	0.38	0.00	0.05	0.00	0.05	0.00	0.00	0.00						35.53
Total	0.08	0.04	0.38	0.00	0.05	0.00	0.05	0.00	0.00	0.00						35.53

3.2 Evcavation - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.12	0.00	6.12	3.35	0.00	3.35						0.00
Off-Road	1.28	9.70	5.65	0.01		0.57	0.57		0.57	0.57						870.71
Total	1.28	9.70	5.65	0.01	6.12	0.57	6.69	3.35	0.57	3.92						870.71

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.03	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00						13.31
Total	0.03	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00						13.31

3.2 Evcavation - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.39	0.00	2.39	1.31	0.00	1.31						0.00
Off-Road	0.26	0.51	4.84	0.01		0.03	0.03		0.03	0.03						870.71
Total	0.26	0.51	4.84	0.01	2.39	0.03	2.42	1.31	0.03	1.34						870.71

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						0.00
Worker	0.03	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00						13.31
Total	0.03	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00						13.31

3.3 Boring - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.10	12.54	3.94	0.02		0.42	0.42		0.42	0.42							1,600.32
Total	1.10	12.54	3.94	0.02		0.42	0.42		0.42	0.42							1,600.32

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00							6.13
Total	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00							6.13

3.3 Boring - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.43	0.93	6.82	0.02		0.05	0.05		0.05	0.05							1,600.32
Total	0.43	0.93	6.82	0.02		0.05	0.05		0.05	0.05							1,600.32

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00							6.13
Total	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00							6.13

3.3 Boring - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	6.23	68.12	22.29	0.09		2.23	2.23		2.23	2.23							9,492.08
Total	6.23	68.12	22.29	0.09		2.23	2.23		2.23	2.23							9,492.08

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.08	0.04	0.38	0.00	0.05	0.00	0.05	0.00	0.00	0.00							35.53
Total	0.08	0.04	0.38	0.00	0.05	0.00	0.05	0.00	0.00	0.00							35.53

3.3 Boring - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	2.57	5.52	40.46	0.09		0.28	0.28		0.28	0.28							9,492.08
Total	2.57	5.52	40.46	0.09		0.28	0.28		0.28	0.28							9,492.08

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.08	0.04	0.38	0.00	0.05	0.00	0.05	0.00	0.00	0.00							35.53
Total	0.08	0.04	0.38	0.00	0.05	0.00	0.05	0.00	0.00	0.00							35.53

3.3 Boring - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	2.28	23.92	8.24	0.04		0.77	0.77		0.77	0.77							3,636.68
Total	2.28	23.92	8.24	0.04		0.77	0.77		0.77	0.77							3,636.68

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.03	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00							13.31
Total	0.03	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00							13.31

3.3 Boring - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.99	2.11	15.50	0.04		0.11	0.11		0.11	0.11							3,636.68
Total	0.99	2.11	15.50	0.04		0.11	0.11		0.11	0.11							3,636.68

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.03	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00							13.31
Total	0.03	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00							13.31

3.4 Ring Installation - 2011

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.15	1.08	0.56	0.00		0.08	0.08		0.08	0.08							90.58
Total	0.15	1.08	0.56	0.00		0.08	0.08		0.08	0.08							90.58

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00							6.13
Total	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00							6.13

3.4 Ring Installation - 2011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.03	0.05	0.57	0.00		0.00	0.00		0.00	0.00							90.58
Total	0.03	0.05	0.57	0.00		0.00	0.00		0.00	0.00							90.58

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00							6.13
Total	0.01	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00							6.13

3.4 Ring Installation - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.85	6.02	3.30	0.01		0.43	0.43		0.43	0.43							537.22
Total	0.85	6.02	3.30	0.01		0.43	0.43		0.43	0.43							537.22

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.08	0.04	0.38	0.00	0.05	0.00	0.05	0.00	0.00	0.00							35.53
Total	0.08	0.04	0.38	0.00	0.05	0.00	0.05	0.00	0.00	0.00							35.53

3.4 Ring Installation - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.17	0.31	3.38	0.01		0.02	0.02		0.02	0.02							537.22
Total	0.17	0.31	3.38	0.01		0.02	0.02		0.02	0.02							537.22

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.08	0.04	0.38	0.00	0.05	0.00	0.05	0.00	0.00	0.00							35.53
Total	0.08	0.04	0.38	0.00	0.05	0.00	0.05	0.00	0.00	0.00							35.53

3.4 Ring Installation - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.30	2.15	1.24	0.00		0.15	0.15		0.15	0.15							205.79
Total	0.30	2.15	1.24	0.00		0.15	0.15		0.15	0.15							205.79

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.03	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00							13.31
Total	0.03	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00							13.31

3.4 Ring Installation - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.06	0.12	1.30	0.00		0.01	0.01		0.01	0.01							205.79
Total	0.06	0.12	1.30	0.00		0.01	0.01		0.01	0.01							205.79

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.03	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00							13.31
Total	0.03	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00							13.31

3.5 Shoring - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.51	10.29	6.81	0.01		0.83	0.83		0.83	0.83							956.07
Total	1.51	10.29	6.81	0.01		0.83	0.83		0.83	0.83							956.07

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e		
Category	tons/yr										MT/yr							
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								0.00
Worker	0.14	0.07	0.66	0.00	0.08	0.00	0.09	0.00	0.00	0.00								61.47
Total	0.14	0.07	0.66	0.00	0.08	0.00	0.09	0.00	0.00	0.00								61.47

3.5 Shoring - 2012

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.31	0.55	6.84	0.01		0.03	0.03		0.03	0.03							956.07
Total	0.31	0.55	6.84	0.01		0.03	0.03		0.03	0.03							956.07

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.14	0.07	0.66	0.00	0.08	0.00	0.09	0.00	0.00	0.00							61.47
Total	0.14	0.07	0.66	0.00	0.08	0.00	0.09	0.00	0.00	0.00							61.47

3.5 Shoring - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	1.91	13.29	9.33	0.02		1.04	1.04		1.04	1.04							1,322.61
Total	1.91	13.29	9.33	0.02		1.04	1.04		1.04	1.04							1,322.61

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.17	0.09	0.82	0.00	0.11	0.01	0.12	0.00	0.00	0.01							83.12
Total	0.17	0.09	0.82	0.00	0.11	0.01	0.12	0.00	0.00	0.01							83.12

3.5 Shoring - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.44	0.77	9.47	0.02		0.04	0.04		0.04	0.04							1,322.61
Total	0.44	0.77	9.47	0.02		0.04	0.04		0.04	0.04							1,322.61

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							0.00
Worker	0.17	0.09	0.82	0.00	0.11	0.01	0.12	0.00	0.00	0.01							83.12
Total	0.17	0.09	0.82	0.00	0.11	0.01	0.12	0.00	0.00	0.01							83.12

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

Provide Riade Sharing Program

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

Land Use	Miles			Trip %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW

5.0 Energy Detail

5.1 Mitigation Measures Energy

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Mitigated	0.00					0.00	0.00		0.00	0.00							0.00
Unmitigated	0.00					0.00	0.00		0.00	0.00							0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.00					0.00	0.00		0.00	0.00							0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00							0.00
Total	0.00					0.00	0.00		0.00	0.00							0.00

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.00					0.00	0.00		0.00	0.00							0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00							0.00
Total	0.00					0.00	0.00		0.00	0.00							0.00

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Build Alternatives Emissions

Composite Mobile 6 Emissions Factors (grams/mile)

Pollutant	2013	2030
ROG	0.4390	0.2170
NO _x	0.6365	0.1890
CO	8.9655	7.2560
SO _x	0.0086	0.0086
PM ₁₀	0.0289	0.0257
PM _{2.5}	0.0148	0.0118

Composite California Emfac 2007 Emissions Factors (grams/mile)

Pollutant	2013	2030
ROG	0.1170	0.0490
NO _x	0.8250	0.2350
CO	2.5260	0.9730
SO _x	0.0050	0.0050
PM ₁₀	0.0580	0.0440
PM _{2.5}	0.0534	0.0405

Nevada VMT

Segment	Length (miles)	2013 Daily Trips		2030 Daily Trips	
		EMU	DEMU	EMU	DEMU
3	25.5	(10,400)	(8,200)	(27,860)	(21,960)
4	9.3	(10,400)	(8,200)	(27,860)	(21,960)
Seg-3 VMT		(265,200)	(209,100)	(710,430)	(559,980)
Seg-4 VMT		(96,720)	(76,260)	(259,098)	(204,228)
Project-related NV VMT		(361,920)	(285,360)	(969,528)	(764,208)

California VMT

Segment	Length (miles)	2013 Daily Trips		2030 Daily Trips	
		EMU	DEMU	EMU	DEMU
1	31.5	(10,400)	(8,200)	(27,860)	(21,960)
2	112.0	(10,400)	(8,200)	(27,860)	(21,960)
Seg-1 VMT		(327,600)	(258,300)	(877,590)	(691,740)
Seg-2 VMT		(1,164,800)	(918,400)	(3,120,320)	(2,459,520)
Project-related CA VMT		(1,492,400)	(1,176,700)	(3,997,910)	(3,151,260)

NV Emissions (lbs/day)

Pollutant	Year 2013		Year 2030	
	EMU	DEMU	EMU	DEMU
ROG	(350)	(276)	(464)	(366)
NO _x	(508)	(400)	(404)	(318)
CO	(7,154)	(5,640)	(15,509)	(12,225)
SO _x	(7)	(5)	(18)	(14)
PM ₁₀	(23)	(18)	(55)	(43)
PM _{2.5}	(12)	(9)	(25)	(20)

CA Emissions (lbs/day)

Pollutant	Year 2013		Year 2030	
	EMU	DEMU	EMU	DEMU
ROG	(385)	(304)	(432)	(340)
NO _x	(2,714)	(2,140)	(2,071)	(1,633)
CO	(8,311)	(6,553)	(8,576)	(6,760)
SO _x	(16)	(13)	(44)	(35)
PM ₁₀	(191)	(150)	(388)	(306)
PM _{2.5}	(176)	(138)	(357)	(281)

NV Emissions (tons/year)

Pollutant	Year 2013		Year 2030	
	EMU	DEMU	EMU	DEMU
ROG	(64)	(50)	(85)	(67)
NO _x	(93)	(73)	(74)	(58)
CO	(1,306)	(1,029)	(2,830)	(2,231)
SO _x	(1)	(1)	(3)	(3)
PM ₁₀	(4)	(3)	(10)	(8)
PM _{2.5}	(2)	(2)	(5)	(4)

CA Emissions (tons/year)

Pollutant	Year 2013		Year 2030	
	EMU	DEMU	EMU	DEMU
ROG	(70)	(55)	(79)	(62)
NO _x	(495)	(391)	(378)	(298)
CO	(1,517)	(1,196)	(1,565)	(1,234)
SO _x	(3)	(2)	(8)	(6)
PM ₁₀	(35)	(27)	(71)	(56)
PM _{2.5}	(32)	(25)	(65)	(51)

Mobile-source Criteria Pollutant Emissions

No-Build Alternative Emissions											
Daily VMT			Daily VMT			Daily VMT					
CA Segments	2013	2030				NV Segments	2013	2030	CA	NV	
1	2,133,390	2,790,000				3	3,407,582	6,221,235	1,894,720	2,083,453	
2	5,352,930	7,480,000				4	1,857,000	3,885,000	4,638,882.17	902,610.84	
Total	7,488,333	10,272,030				Total	5,264,582	10,106,235	6,533,602	2,986,064	
Composite California Emfac 2007 Emissions Factors (grams/mile)			Composite Mobile 6 Emissions Factors (grams/mile)			2007					
Pollutant	2013	2030				Pollutant	2013	2030	emfac	mobile	
ROG	0.1170	0.0490				ROG	0.4390	0.2170	0.207	1.77	0.776692308
NO _x	0.8250	0.2350				NO _x	0.6365	0.1890	1.387	1.68	1.070091515
CO	2.5260	0.9730				CO	8.9655	7.2560	4.423	1.75	15.69849822
SO _x	0.0050	0.0050				SO _x	0.0086	0.0086	0.005	1.00	0.0086
PM ₁₀	0.0580	0.0440				PM ₁₀	0.0289	0.0257	0.069	1.19	0.034381034
PM _{2.5}	0.0534	0.0405				PM _{2.5}	0.0148	0.0118	0.06383	1.20	0.017703973
California No-Build Emissions (pounds/day)			Nevada No-Build Emissions (pounds/day)								
Pollutant	2013	2030				Pollutant	2013	2030			
ROG	1,932	1,110				ROG	5,095	4,835	2,981.65	5,113.08	
NO _x	13,620	5,322				NO _x	7,387	4,211	19,978.52	7,044.56	
CO	41,702	22,035				CO	104,057	161,667	63,709.43	103,345.45	
SO _x	83	113				SO _x	100	192	72.02	56.62	
PM ₁₀	958	996				PM ₁₀	335	573	993.88	226.34	
PM _{2.5}	881	917				PM _{2.5}	172	263	919.42	116.55	
California No-Build Emissions (tons/year)			Nevada No-Build Emissions (tons/year)								
Pollutant	2013	2030				Pollutant	2013	2030			
ROG	353	203				ROG	930	882	544	933	
NO _x	2,486	971				NO _x	1,348	769	3,646	1,286	
CO	7,611	4,021				CO	18,990	29,504	11,627	18,861	
SO _x	15	21				SO _x	18	35	13	10	
PM ₁₀	175	182				PM ₁₀	61	105	181	41	
PM _{2.5}	161	167				PM _{2.5}	31	48	168	21	

Mobile-source Criteria Pollutant Emissions

No-Build Volumes	Year 2007			Year 2013			Year 2030		
	AM	PM	Daily	AM	PM	Daily	AM	PM	Daily
Freeway Segment									
Segment 1 (Victorville to I-40)	6,130	6,810	64,700	6,903	7,667	72,850	8,780	9,750	92,650
Segment 2 (I-40 to State Line)	4,530	5,020	47,750	5,224	5,796	55,100	6,910	7,680	72,950
Segment 3 (State Line to Sloan)	5,890	7,552	67,210	9,785	12,200	109,925	18,061	22,076	200,685
Segment 4 (Sloan to I-215)	6,596	8,448	75,220	14,424	16,527	154,755	31,056	33,694	323,750
EMU Volumes (Total)				Year 2013			Year 2030		
Freeway Segment				AM	PM	Daily	AM	PM	Daily
Segment 1 (Victorville to I-40)				5,863	6,627	62,450	5,994	6,964	64,790
Segment 2 (I-40 to State Line)				4,184	4,756	44,700	4,124	4,894	45,090
Segment 3 (State Line to Sloan)				8,745	11,160	99,525	15,275	19,290	172,825
Segment 4 (Sloan to I-215)				13,384	15,487	144,355	28,270	30,908	295,890
DEMU Volumes (Total)				Year 2013			Year 2030		
Freeway Segment				AM	PM	Daily	AM	PM	Daily
Segment 1 (Victorville to I-40)				6,083	6,847	64,650	6,584	7,554	70,690
Segment 2 (I-40 to State Line)				4,404	4,976	46,900	4,714	5,484	50,990
Segment 3 (State Line to Sloan)				8,965	11,380	101,725	15,865	19,880	178,725
Segment 4 (Sloan to I-215)				13,604	15,707	146,555	28,860	31,498	301,790
EMU-Only Project Volumes				Year 2013			Year 2030		
Freeway Segment				AM	PM	Daily	AM	PM	Daily
Segment 1 (Victorville to I-40)				(1,040)	(1,040)	(10,400)	(2,786)	(2,786)	(27,860)
Segment 2 (I-40 to State Line)				(1,040)	(1,040)	(10,400)	(2,786)	(2,786)	(27,860)
Segment 3 (State Line to Sloan)				(1,040)	(1,040)	(10,400)	(2,786)	(2,786)	(27,860)
Segment 4 (Sloan to I-215)				(1,040)	(1,040)	(10,400)	(2,786)	(2,786)	(27,860)
DEMU-Only Project Volumes				Year 2013			Year 2030		
Freeway Segment				AM	PM	Daily	AM	PM	Daily
Segment 1 (Victorville to I-40)				(820)	(820)	(8,200)	(2,196)	(2,196)	(21,960)
Segment 2 (I-40 to State Line)				(820)	(820)	(8,200)	(2,196)	(2,196)	(21,960)
Segment 3 (State Line to Sloan)				(820)	(820)	(8,200)	(2,196)	(2,196)	(21,960)
Segment 4 (Sloan to I-215)				(820)	(820)	(8,200)	(2,196)	(2,196)	(21,960)

Mobile-source Criteria Pollutant Emissions

Mobile Emfac - Nevada

VOC

Year	Speed	Month	Emission Factor (g/mi)
2013	60	Jan	0.443
2013	60	July	0.435
2013	60	Annual	0.439
2030	60	Jan	0.217
2030	60	July	0.217
2030	60	Annual	0.217

CO

Year	Speed	Month	Emission Factor (g/mi)
2013	60	Jan	8.958
2013	60	July	8.973
2013	60	Annual	8.966
2030	60	Jan	7.213
2030	60	July	7.299
2030	60	Annual	7.256

NOx

Year	Speed	Month	Emission Factor (g/mi)
2013	60	Jan	0.648
2013	60	July	0.625
2013	60	Annual	0.637
2030	60	Jan	0.188
2030	60	July	0.190
2030	60	Annual	0.189

Mobile Emfac - Nevada

SOx

Year	Speed	Month	Emission Factor (g/mi)
2013	60	Jan	0.0086
2013	60	July	0.0086
2013	60	Annual	0.0086
2030	60	Jan	0.0086
2030	60	July	0.0086
2030	60	Annual	0.0086

PM10

Year	Speed	Month	Emission Factor (g/mi)
2013	60	Jan	0.0290
2013	60	July	0.0288
2013	60	Annual	0.0289
2030	60	Jan	0.0257
2030	60	July	0.0257
2030	60	Annual	0.0257

PM25

Year	Speed	Month	Emission Factor (g/mi)
2013	60	Jan	0.0149
2013	60	July	0.0147
2013	60	Annual	0.0148
2030	60	Jan	0.0118
2030	60	July	0.0118
2030	60	Annual	0.0118

Mobile-source Criteria Pollutant Emissions

Mobile Emfac - Nevada

CO2

Year	Speed	Month	Emission Factor (g/mi)
2013	60	Jan	468.47
2013	60	July	468.50
2013	60	Annual	468.49
2030	60	Jan	468.88
2030	60	July	468.88
2030	60	Annual	468.88

CO - Arterial

Year	Speed	Month	Emission Factor (g/mi)	Emission Factor (g/hr)
2013	2.5	Jan	18.189	45.473
2013	2.5	July	18.185	45.463
2013	2.5	Annual	18.187	45.468
2013	35	Jan	7.616	266.560
2013	35	July	7.629	267.015
2013	35	Annual	7.623	266.788
2030	2.5	Jan	14.114	35.285
2030	2.5	July	14.293	35.733
2030	2.5	Annual	14.204	35.509
2030	35	Jan	6.105	213.675
2030	35	July	6.177	216.195
2030	35	Annual	6.141	214.935

Mobile-source Criteria Pollutant Emissions

Title : CA Year 2013 and 2030 Emissions Factors
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/09/14 22:12:51
 Scen Year: 2013 -- All model years in the range 1969 to 2013 selected
 Season : Annual
 Area : Statewide totals

 Year: 2013 -- Model Years 1969 to 2013 Inclusive -- Annual
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

State Average State Average State Average

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	5.191	0.031	0.098	0.043	5.253	0.052	0.049	0.093	5.241	0.045	0.07	0.117

Pollutant Name: Carbon Monoxide Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	86.208	1.411	0.571	1.604	83.453	2.491	0.451	3.066	82.709	2.097	0.52	2.526

Pollutant Name: Oxides of Nitrogen Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	4.479	0.124	1.714	0.136	4.33	0.214	1.749	0.299	4.316	0.26	1.704	0.825

Mobile-source Criteria Pollutant Emissions

Pollutant Name: Carbon Dioxide Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	491.386	382.51	357.501	382.727	480.669	475.055	346.764	470.67	480.9	478.481	350.26	516.842

Pollutant Name: Sulfur Dioxide Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	0.006	0.004	0.003	0.004	0.006	0.005	0.003	0.005	0.006	0.005	0.003	0.005

Pollutant Name: PM10 Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	0.03	0.008	0.073	0.008	0.029	0.01	0.032	0.011	0.03	0.02	0.049	0.036

Pollutant Name: PM10 - Tire Wear Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.009

Pollutant Name: PM10 - Brake Wear Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013

Mobile-source Criteria Pollutant Emissions

Title : CA Year 2013 and 2030 Emissions Factors
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/09/14 22:12:51
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Annual
 Area : Statewide totals

 Year: 2030 -- Model Years 1986 to 2030 Inclusive -- Annual
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

State Average State Average State Average

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Reactive Org Gases Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	0	0.01	0.042	0.01	0	0.01	0.043	0.01	0	0.016	0.046	0.049

Pollutant Name: Carbon Monoxide Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	0	0.49	0.422	0.49	0	0.618	0.431	0.618	0	0.89	0.442	0.973

Pollutant Name: Oxides of Nitrogen Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	0	0.038	1.771	0.038	0	0.047	1.763	0.054	0	0.078	1.752	0.235

Mobile-source Criteria Pollutant Emissions

Pollutant Name: Carbon Dioxide Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	0	374.777	345.72	374.775	0	470.844	345.72	470.342	0	480.61	345.72	523.395

Pollutant Name: Sulfur Dioxide Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	0	0.004	0.003	0.004	0	0.005	0.003	0.005	0	0.005	0.003	0.005

Pollutant Name: PM10 Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	0	0.009	0.026	0.009	0	0.01	0.027	0.01	0	0.023	0.029	0.021

Pollutant Name: PM10 - Tire Wear Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	0	0.008	0.008	0.008	0	0.008	0.008	0.008	0	0.008	0.008	0.01

Pollutant Name: PM10 - Brake Wear Temperature: 80F Relative Humidity: 50%

Speed	LDA	LDA	LDA	LDA	LDT1	LDT1	LDT1	LDT1	LDT2	LDT2	LDT2	ALL
MPH	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL	NCAT	CAT	DSL	ALL
60	0	0.013	0.013	0.013	0	0.013	0.013	0.013	0	0.013	0.013	0.013

Year 2013 No-Build Alternative

Mobile-source GHG Emissions

Mobile Sources

California Vehicle Type	Percent	VMT by Type	Emission Factors (grams/mile) ^a			Emissions from Mobile Sources (lbs/day)			
	100	7,486,320	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂ e ^b
Light Auto	49.0	3,668,297	516.84	0.06	0.08	4,179,809.57	485.23	646.98	4,390,562
Light Truck < 3750 lbs	10.9	816,009	516.84	0.11	0.14	929,794.37	197.89	251.86	1,012,026
Light Truck 3751-5750 lbs	21.7	1,624,531	516.84	0.11	0.14	1,851,058.52	393.96	501.41	2,014,768
Med Truck 5751-8500 lbs	9.5	711,200	516.84	0.12	0.20	810,371.24	188.15	313.59	911,534
Lite-Heavy Truck 8501-10,000 lbs	1.6	119,781	516.84	0.12	0.20	136,483.58	31.69	52.81	153,522
Lite-Heavy Truck 10,001-14,000 lbs	0.6	44,918	516.84	0.12	0.20	51,181.34	11.88	19.81	57,571
Med-Heavy Truck 14,001-33,000 lbs	1.0	74,863	516.84	0.08	0.05	85,302.24	13.20	8.25	88,138
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	67,377	516.84	0.08	0.05	76,772.01	11.88	7.43	79,324
Other Bus	0.1	7,486	516.84	0.08	0.05	8,530.22	1.32	0.83	8,814
Urban Bus	0.1	7,486	516.84	0.08	0.05	8,530.22	1.32	0.83	8,814
Motorcycle	3.5	262,021	516.84	0.42	0.01	298,557.83	242.62	5.78	305,444
School Bus	0.1	7,486	516.84	0.08	0.05	8,530.22	1.32	0.83	8,814
Motor Home	1.0	74,863	516.84	0.11	0.14	85,302.24	18.15	23.11	92,846
Total CA Emissions						8,530,224	1,599	1,833	9,132,175

Nevada Vehicle Type	Percent	VMT by Type	Emission Factors (grams/mile) ^a			Emissions from Mobile Sources (lbs/day)			
	100	5,264,582	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂ e ^b
Light Auto	49.0	2,579,645	468.49	0.06	0.08	2,664,341.54	341.23	454.97	2,812,549
Light Truck < 3750 lbs	10.9	573,839	468.49	0.11	0.14	592,680.06	139.16	177.11	650,508
Light Truck 3751-5750 lbs	21.7	1,142,414	468.49	0.11	0.14	1,179,922.68	277.05	352.60	1,295,048
Med Truck 5751-8500 lbs	9.5	500,135	468.49	0.12	0.20	516,556.01	132.31	220.52	587,696
Lite-Heavy Truck 8501-10,000 lbs	1.6	84,233	468.49	0.12	0.20	86,998.91	22.28	37.14	98,980
Lite-Heavy Truck 10,001-14,000 lbs	0.6	31,587	468.49	0.12	0.20	32,624.59	8.36	13.93	37,118
Med-Heavy Truck 14,001-33,000 lbs	1.0	52,646	468.49	0.08	0.05	54,374.32	9.29	5.80	56,368
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	47,381	468.49	0.08	0.05	48,936.89	8.36	5.22	50,731
Other Bus	0.1	5,265	468.49	0.08	0.05	5,437.43	0.93	0.58	5,637
Urban Bus	0.1	5,265	468.49	0.08	0.05	5,437.43	0.93	0.58	5,637
Motorcycle	3.5	184,260	468.49	0.42	0.01	190,310.11	170.61	4.06	195,152
School Bus	0.1	5,265	468.49	0.08	0.05	5,437.43	0.93	0.58	5,637
Motor Home	1.0	52,646	468.49	0.11	0.14	54,374.32	12.77	16.25	59,680
Total NV Emissions						5,437,432	1,124	1,289	5,860,740

^a CH₄ and N₂O Emission factors, in grams per mile, from Table C.4, [General Reporting Protocol](#), California Climate Action Registry, March 2007; CO₂ emissions factors are fleet average gram per mile factors from the Mobile 6 and Emfac 2007 models for NV and CA, respectively.

^b Global Warming Potential, used to convert CH₄ and N₂O emissions to CO₂ equivalent (CO₂e) is 21 for CH₄ and 310 for N₂O; [General Reporting Protocol](#), California Climate Action Registry, March 2007.

Year 2013 DEMU Alternative

Mobile-source GHG Emissions

Mobile Sources

California Vehicle Type	Percent	VMT by Type	Emission Factors (grams/mile) ^a			Emissions from Mobile Sources (lbs/day)			
	100	(1,330,950)	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂ e ^b
Light Auto	49.0	(652,165)	516.84	0.06	0.08	(743,104.19)	(86.27)	(115.02)	(780,573)
Light Truck < 3750 lbs	10.9	(145,074)	516.84	0.11	0.14	(165,302.77)	(35.18)	(44.78)	(179,922)
Light Truck 3751-5750 lbs	21.7	(288,816)	516.84	0.11	0.14	(329,089.00)	(70.04)	(89.14)	(358,194)
Med Truck 5751-8500 lbs	9.5	(126,440)	516.84	0.12	0.20	(144,071.22)	(33.45)	(55.75)	(162,056)
Lite-Heavy Truck 8501-10,000 lbs	1.6	(21,295)	516.84	0.12	0.20	(24,264.63)	(5.63)	(9.39)	(27,294)
Lite-Heavy Truck 10,001-14,000 lbs	0.6	(7,986)	516.84	0.12	0.20	(9,099.23)	(2.11)	(3.52)	(10,235)
Med-Heavy Truck 14,001-33,000 lbs	1.0	(13,309)	516.84	0.08	0.05	(15,165.39)	(2.35)	(1.47)	(15,669)
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	(11,979)	516.84	0.08	0.05	(13,648.85)	(2.11)	(1.32)	(14,103)
Other Bus	0.1	(1,331)	516.84	0.08	0.05	(1,516.54)	(0.23)	(0.15)	(1,567)
Urban Bus	0.1	(1,331)	516.84	0.08	0.05	(1,516.54)	(0.23)	(0.15)	(1,567)
Motorcycle	3.5	(46,583)	516.84	0.42	0.01	(53,078.87)	(43.13)	(1.03)	(54,303)
School Bus	0.1	(1,331)	516.84	0.08	0.05	(1,516.54)	(0.23)	(0.15)	(1,567)
Motor Home	1.0	(13,309)	516.84	0.11	0.14	(15,165.39)	(3.23)	(4.11)	(16,507)
Total CA Emissions						(1,516,539)	(284)	(326)	(1,623,557)

Nevada Vehicle Type	Percent	VMT by Type	Emission Factors (grams/mile) ^a			Emissions from Mobile Sources (lbs/day)			
	100	(513,795)	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂ e ^b
Light Auto	49.0	(251,759)	468.49	0.06	0.08	(260,025.23)	(33.30)	(44.40)	(274,489)
Light Truck < 3750 lbs	10.9	(56,004)	468.49	0.11	0.14	(57,842.35)	(13.58)	(17.29)	(63,486)
Light Truck 3751-5750 lbs	21.7	(111,493)	468.49	0.11	0.14	(115,154.03)	(27.04)	(34.41)	(126,390)
Med Truck 5751-8500 lbs	9.5	(48,810)	468.49	0.12	0.20	(50,413.05)	(12.91)	(21.52)	(57,356)
Lite-Heavy Truck 8501-10,000 lbs	1.6	(8,221)	468.49	0.12	0.20	(8,490.62)	(2.17)	(3.62)	(9,660)
Lite-Heavy Truck 10,001-14,000 lbs	0.6	(3,083)	468.49	0.12	0.20	(3,183.98)	(0.82)	(1.36)	(3,622)
Med-Heavy Truck 14,001-33,000 lbs	1.0	(5,138)	468.49	0.08	0.05	(5,306.64)	(0.91)	(0.57)	(5,501)
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	(4,624)	468.49	0.08	0.05	(4,775.97)	(0.82)	(0.51)	(4,951)
Other Bus	0.1	(514)	468.49	0.08	0.05	(530.66)	(0.09)	(0.06)	(550)
Urban Bus	0.1	(514)	468.49	0.08	0.05	(530.66)	(0.09)	(0.06)	(550)
Motorcycle	3.5	(17,983)	468.49	0.42	0.01	(18,573.23)	(16.65)	(0.40)	(19,046)
School Bus	0.1	(514)	468.49	0.08	0.05	(530.66)	(0.09)	(0.06)	(550)
Motor Home	1.0	(5,138)	468.49	0.11	0.14	(5,306.64)	(1.25)	(1.59)	(5,824)
Total NV Emissions						(530,664)	(110)	(126)	(571,976)

^a CH₄ and N₂O Emission factors, in grams per mile, from Table C.4, [General Reporting Protocol](#), California Climate Action Registry, March 2007; CO₂ emissions factors are fleet average gram per mile factors from the Mobile 6 and Emfac 2007 models for NV and CA, respectively.

^b Global Warming Potential, used to convert CH₄ and N₂O emissions to CO₂ equivalent (CO₂e) is 21 for CH₄ and 310 for N₂O; [General Reporting Protocol](#), California Climate Action Registry, March 2007.

Year 2013 EMU Alternative

Mobile-source GHG Emissions

Mobile Sources

California Vehicle Type	Percent	VMT by Type	Emission Factors (grams/mile) ^a			Emissions from Mobile Sources (lbs/day)			
	100	(1,646,650)	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂ e ^b
Light Auto	49.0	(806,858)	516.84	0.06	0.08	(919,367.81)	(106.73)	(142.31)	(965,724)
Light Truck < 3750 lbs	10.9	(179,485)	516.84	0.11	0.14	(204,512.43)	(43.53)	(55.40)	(222,600)
Light Truck 3751-5750 lbs	21.7	(357,323)	516.84	0.11	0.14	(407,148.60)	(86.65)	(110.29)	(443,157)
Med Truck 5751-8500 lbs	9.5	(156,432)	516.84	0.12	0.20	(178,244.78)	(41.38)	(68.97)	(200,496)
Lite-Heavy Truck 8501-10,000 lbs	1.6	(26,346)	516.84	0.12	0.20	(30,020.17)	(6.97)	(11.62)	(33,768)
Lite-Heavy Truck 10,001-14,000 lbs	0.6	(9,880)	516.84	0.12	0.20	(11,257.57)	(2.61)	(4.36)	(12,663)
Med-Heavy Truck 14,001-33,000 lbs	1.0	(16,466)	516.84	0.08	0.05	(18,762.61)	(2.90)	(1.82)	(19,386)
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	(14,820)	516.84	0.08	0.05	(16,886.35)	(2.61)	(1.63)	(17,448)
Other Bus	0.1	(1,647)	516.84	0.08	0.05	(1,876.26)	(0.29)	(0.18)	(1,939)
Urban Bus	0.1	(1,647)	516.84	0.08	0.05	(1,876.26)	(0.29)	(0.18)	(1,939)
Motorcycle	3.5	(57,633)	516.84	0.42	0.01	(65,669.13)	(53.36)	(1.27)	(67,184)
School Bus	0.1	(1,647)	516.84	0.08	0.05	(1,876.26)	(0.29)	(0.18)	(1,939)
Motor Home	1.0	(16,466)	516.84	0.11	0.14	(18,762.61)	(3.99)	(5.08)	(20,422)
Total CA Emissions						(1,876,261)	(352)	(403)	(2,008,663)

Nevada Vehicle Type	Percent	VMT by Type	Emission Factors (grams/mile) ^a			Emissions from Mobile Sources (lbs/day)			
	100	(590,355)	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂ e ^b
Light Auto	49.0	(289,274)	468.49	0.06	0.08	(298,771.32)	(38.26)	(51.02)	(315,391)
Light Truck < 3750 lbs	10.9	(64,349)	468.49	0.11	0.14	(66,461.38)	(15.61)	(19.86)	(72,946)
Light Truck 3751-5750 lbs	21.7	(128,107)	468.49	0.11	0.14	(132,313.01)	(31.07)	(39.54)	(145,223)
Med Truck 5751-8500 lbs	9.5	(56,084)	468.49	0.12	0.20	(57,925.05)	(14.84)	(24.73)	(65,903)
Lite-Heavy Truck 8501-10,000 lbs	1.6	(9,446)	468.49	0.12	0.20	(9,755.80)	(2.50)	(4.16)	(11,099)
Lite-Heavy Truck 10,001-14,000 lbs	0.6	(3,542)	468.49	0.12	0.20	(3,658.42)	(0.94)	(1.56)	(4,162)
Med-Heavy Truck 14,001-33,000 lbs	1.0	(5,904)	468.49	0.08	0.05	(6,097.37)	(1.04)	(0.65)	(6,321)
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	(5,313)	468.49	0.08	0.05	(5,487.64)	(0.94)	(0.59)	(5,689)
Other Bus	0.1	(590)	468.49	0.08	0.05	(609.74)	(0.10)	(0.07)	(632)
Urban Bus	0.1	(590)	468.49	0.08	0.05	(609.74)	(0.10)	(0.07)	(632)
Motorcycle	3.5	(20,662)	468.49	0.42	0.01	(21,340.81)	(19.13)	(0.46)	(21,884)
School Bus	0.1	(590)	468.49	0.08	0.05	(609.74)	(0.10)	(0.07)	(632)
Motor Home	1.0	(5,904)	468.49	0.11	0.14	(6,097.37)	(1.43)	(1.82)	(6,692)
Total NV Emissions						(609,737)	(126)	(145)	(657,206)

^a CH₄ and N₂O Emission factors, in grams per mile, from Table C.4, [General Reporting Protocol](#), California Climate Action Registry, March 2007; CO₂ emissions factors are fleet average gram per mile factors from the Mobile 6 and Emfac 2007 models for NV and CA, respectively.

^b Global Warming Potential, used to convert CH₄ and N₂O emissions to CO₂ equivalent (CO₂e) is 21 for CH₄ and 310 for N₂O; [General Reporting Protocol](#), California Climate Action Registry, March 2007.

Year 2030 No-Build Alternative

Mobile-source GHG Emissions

Mobile Sources

California Vehicle Type	Percent	VMT by Type	Emission Factors (grams/mile) ^a			Emissions from Mobile Sources (lbs/day)			
	100	10,270,000	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂ e ^b
Light Auto	49.0	5,032,300	523.40	0.04	0.04	5,806,712.50	443.77	443.77	5,953,601
Light Truck < 3750 lbs	10.9	1,119,430	523.40	0.05	0.06	1,291,697.27	123.40	148.08	1,340,192
Light Truck 3751-5750 lbs	21.7	2,228,590	523.40	0.05	0.06	2,571,544.11	245.66	294.79	2,668,088
Med Truck 5751-8500 lbs	9.5	975,650	523.40	0.12	0.20	1,125,791.20	258.11	430.19	1,264,570
Lite-Heavy Truck 8501-10,000 lbs	1.6	164,320	523.40	0.12	0.20	189,606.94	43.47	72.45	212,980
Lite-Heavy Truck 10,001-14,000 lbs	0.6	61,620	523.40	0.12	0.20	71,102.60	16.30	27.17	79,868
Med-Heavy Truck 14,001-33,000 lbs	1.0	102,700	523.40	0.06	0.05	118,504.34	13.58	11.32	122,299
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	92,430	523.40	0.06	0.05	106,653.90	12.23	10.19	110,069
Other Bus	0.1	10,270	523.40	0.06	0.05	11,850.43	1.36	1.13	12,230
Urban Bus	0.1	10,270	523.40	0.06	0.05	11,850.43	1.36	1.13	12,230
Motorcycle	3.5	359,450	523.40	0.09	0.01	414,765.18	71.32	7.92	418,720
School Bus	0.1	10,270	523.40	0.06	0.05	11,850.43	1.36	1.13	12,230
Motor Home	1.0	102,700	523.40	0.05	0.06	118,504.34	11.32	13.58	122,953
Total CA Emissions						11,850,434	1,243	1,463	12,330,030

Nevada Vehicle Type	Percent	VMT by Type	Emission Factors (grams/mile) ^a			Emissions from Mobile Sources (lbs/day)			
	100	10,106,235	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂ e ^b
Light Auto	49.0	4,952,055	468.88	0.04	0.04	5,118,956.18	436.70	436.70	5,263,503
Light Truck < 3750 lbs	10.9	1,101,580	468.88	0.05	0.06	1,138,706.58	121.43	145.71	1,186,428
Light Truck 3751-5750 lbs	21.7	2,193,053	468.88	0.05	0.06	2,266,966.31	241.74	290.09	2,361,971
Med Truck 5751-8500 lbs	9.5	960,092	468.88	0.12	0.20	992,450.69	254.00	423.33	1,129,016
Lite-Heavy Truck 8501-10,000 lbs	1.6	161,700	468.88	0.12	0.20	167,149.59	42.78	71.30	190,150
Lite-Heavy Truck 10,001-14,000 lbs	0.6	60,637	468.88	0.12	0.20	62,681.10	16.04	26.74	71,306
Med-Heavy Truck 14,001-33,000 lbs	1.0	101,062	468.88	0.06	0.05	104,468.49	13.37	11.14	108,203
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	90,956	468.88	0.06	0.05	94,021.64	12.03	10.03	97,382
Other Bus	0.1	10,106	468.88	0.06	0.05	10,446.85	1.34	1.11	10,820
Urban Bus	0.1	10,106	468.88	0.06	0.05	10,446.85	1.34	1.11	10,820
Motorcycle	3.5	353,718	468.88	0.09	0.01	365,639.73	70.18	7.80	369,531
School Bus	0.1	10,106	468.88	0.06	0.05	10,446.85	1.34	1.11	10,820
Motor Home	1.0	101,062	468.88	0.05	0.06	104,468.49	11.14	13.37	108,847
Total NV Emissions						10,446,849	1,223	1,440	10,918,798

^a CH₄ and N₂O Emission factors, in grams per mile, from Table C.4, [General Reporting Protocol](#), California Climate Action Registry, March 2007; CO₂ emissions factors are fleet average gram per mile factors from the Mobile 6 and Emfac 2007 models for NV and CA, respectively.

^b Global Warming Potential, used to convert CH₄ and N₂O emissions to CO₂ equivalent (CO₂e) is 21 for CH₄ and 310 for N₂O; [General Reporting Protocol](#), California Climate Action Registry, March 2007.

Year 2030 DEMU Alternative

Mobile-source GHG Emissions

Mobile Sources

California Vehicle Type	Percent	VMT by Type	Emission Factors (grams/mile) ^a			Emissions from Mobile Sources (lbs/day)			
	100	(3,151,260)	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂ e ^b
Light Auto	49.0	(1,544,117)	523.40	0.04	0.04	(1,781,739.13)	(136.17)	(136.17)	(1,826,811)
Light Truck < 3750 lbs	10.9	(343,487)	523.40	0.05	0.06	(396,346.05)	(37.86)	(45.44)	(411,226)
Light Truck 3751-5750 lbs	21.7	(683,823)	523.40	0.05	0.06	(789,055.90)	(75.38)	(90.45)	(818,680)
Med Truck 5751-8500 lbs	9.5	(299,370)	523.40	0.12	0.20	(345,439.22)	(79.20)	(132.00)	(388,022)
Lite-Heavy Truck 8501-10,000 lbs	1.6	(50,420)	523.40	0.12	0.20	(58,179.24)	(13.34)	(22.23)	(65,351)
Lite-Heavy Truck 10,001-14,000 lbs	0.6	(18,908)	523.40	0.12	0.20	(21,817.21)	(5.00)	(8.34)	(24,507)
Med-Heavy Truck 14,001-33,000 lbs	1.0	(31,513)	523.40	0.06	0.05	(36,362.02)	(4.17)	(3.47)	(37,526)
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	(28,361)	523.40	0.06	0.05	(32,725.82)	(3.75)	(3.13)	(33,774)
Other Bus	0.1	(3,151)	523.40	0.06	0.05	(3,636.20)	(0.42)	(0.35)	(3,753)
Urban Bus	0.1	(3,151)	523.40	0.06	0.05	(3,636.20)	(0.42)	(0.35)	(3,753)
Motorcycle	3.5	(110,294)	523.40	0.09	0.01	(127,267.08)	(21.88)	(2.43)	(128,480)
School Bus	0.1	(3,151)	523.40	0.06	0.05	(3,636.20)	(0.42)	(0.35)	(3,753)
Motor Home	1.0	(31,513)	523.40	0.05	0.06	(36,362.02)	(3.47)	(4.17)	(37,727)
Total CA Emissions						(3,636,202)	(381)	(449)	(3,783,362)

Nevada Vehicle Type	Percent	VMT by Type	Emission Factors (grams/mile) ^a			Emissions from Mobile Sources (lbs/day)			
	100	(764,208)	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂ e ^b
Light Auto	49.0	(374,462)	468.88	0.04	0.04	(387,082.55)	(33.02)	(33.02)	(398,013)
Light Truck < 3750 lbs	10.9	(83,299)	468.88	0.05	0.06	(86,106.12)	(9.18)	(11.02)	(89,715)
Light Truck 3751-5750 lbs	21.7	(165,833)	468.88	0.05	0.06	(171,422.27)	(18.28)	(21.94)	(178,606)
Med Truck 5751-8500 lbs	9.5	(72,600)	468.88	0.12	0.20	(75,046.62)	(19.21)	(32.01)	(85,373)
Lite-Heavy Truck 8501-10,000 lbs	1.6	(12,227)	468.88	0.12	0.20	(12,639.43)	(3.23)	(5.39)	(14,379)
Lite-Heavy Truck 10,001-14,000 lbs	0.6	(4,585)	468.88	0.12	0.20	(4,739.79)	(1.21)	(2.02)	(5,392)
Med-Heavy Truck 14,001-33,000 lbs	1.0	(7,642)	468.88	0.06	0.05	(7,899.64)	(1.01)	(0.84)	(8,182)
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	(6,878)	468.88	0.06	0.05	(7,109.68)	(0.91)	(0.76)	(7,364)
Other Bus	0.1	(764)	468.88	0.06	0.05	(789.96)	(0.10)	(0.08)	(818)
Urban Bus	0.1	(764)	468.88	0.06	0.05	(789.96)	(0.10)	(0.08)	(818)
Motorcycle	3.5	(26,747)	468.88	0.09	0.01	(27,648.75)	(5.31)	(0.59)	(27,943)
School Bus	0.1	(764)	468.88	0.06	0.05	(789.96)	(0.10)	(0.08)	(818)
Motor Home	1.0	(7,642)	468.88	0.05	0.06	(7,899.64)	(0.84)	(1.01)	(8,231)
Total NV Emissions						(789,964)	(93)	(109)	(825,652)

^a CH₄ and N₂O Emission factors, in grams per mile, from Table C.4, [General Reporting Protocol](#), California Climate Action Registry, March 2007; CO₂ emissions factors are fleet average gram per mile factors from the Mobile 6 and Emlac 2007 models for NV and CA, respectively.

^b Global Warming Potential, used to convert CH₄ and N₂O emissions to CO₂ equivalent (CO₂e) is 21 for CH₄ and 310 for N₂O; [General Reporting Protocol](#), California Climate Action Registry, March 2007.

Year 2030 EMU Alternative

Mobile-source GHG Emissions

Mobile Sources

California Vehicle Type	Percent	VMT by Type	Emission Factors (grams/mile) ^a			Emissions from Mobile Sources (lbs/day)			
	100	(3,997,910)	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂ e ^b
Light Auto	49.0	(1,958,976)	523.40	0.04	0.04	(2,260,439.53)	(172.75)	(172.75)	(2,317,620)
Light Truck < 3750 lbs	10.9	(435,772)	523.40	0.05	0.06	(502,832.47)	(48.04)	(57.64)	(521,710)
Light Truck 3751-5750 lbs	21.7	(867,546)	523.40	0.05	0.06	(1,001,051.79)	(95.63)	(114.76)	(1,038,635)
Med Truck 5751-8500 lbs	9.5	(379,801)	523.40	0.12	0.20	(438,248.48)	(100.48)	(167.46)	(492,272)
Lite-Heavy Truck 8501-10,000 lbs	1.6	(63,967)	523.40	0.12	0.20	(73,810.27)	(16.92)	(28.20)	(82,909)
Lite-Heavy Truck 10,001-14,000 lbs	0.6	(23,987)	523.40	0.12	0.20	(27,678.85)	(6.35)	(10.58)	(31,091)
Med-Heavy Truck 14,001-33,000 lbs	1.0	(39,979)	523.40	0.06	0.05	(46,131.42)	(5.29)	(4.41)	(47,609)
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	(35,981)	523.40	0.06	0.05	(41,518.28)	(4.76)	(3.97)	(42,848)
Other Bus	0.1	(3,998)	523.40	0.06	0.05	(4,613.14)	(0.53)	(0.44)	(4,761)
Urban Bus	0.1	(3,998)	523.40	0.06	0.05	(4,613.14)	(0.53)	(0.44)	(4,761)
Motorcycle	3.5	(139,927)	523.40	0.09	0.01	(161,459.97)	(27.76)	(3.08)	(162,999)
School Bus	0.1	(3,998)	523.40	0.06	0.05	(4,613.14)	(0.53)	(0.44)	(4,761)
Motor Home	1.0	(39,979)	523.40	0.05	0.06	(46,131.42)	(4.41)	(5.29)	(47,863)
Total CA Emissions						(4,613,142)	(484)	(569)	(4,799,839)

Nevada Vehicle Type	Percent	VMT by Type	Emission Factors (grams/mile) ^a			Emissions from Mobile Sources (lbs/day)			
	100	(969,528)	CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O	CO ₂ e ^b
Light Auto	49.0	(475,069)	468.88	0.04	0.04	(491,080.14)	(41.89)	(41.89)	(504,947)
Light Truck < 3750 lbs	10.9	(105,679)	468.88	0.05	0.06	(109,240.28)	(11.65)	(13.98)	(113,818)
Light Truck 3751-5750 lbs	21.7	(210,388)	468.88	0.05	0.06	(217,478.35)	(23.19)	(27.83)	(226,593)
Med Truck 5751-8500 lbs	9.5	(92,105)	468.88	0.12	0.20	(95,209.42)	(24.37)	(40.61)	(108,311)
Lite-Heavy Truck 8501-10,000 lbs	1.6	(15,512)	468.88	0.12	0.20	(16,035.27)	(4.10)	(6.84)	(18,242)
Lite-Heavy Truck 10,001-14,000 lbs	0.6	(5,817)	468.88	0.12	0.20	(6,013.23)	(1.54)	(2.56)	(6,841)
Med-Heavy Truck 14,001-33,000 lbs	1.0	(9,695)	468.88	0.06	0.05	(10,022.04)	(1.28)	(1.07)	(10,380)
Heavy-Heavy Truck 33,001-60,000 lbs	0.9	(8,726)	468.88	0.06	0.05	(9,019.84)	(1.15)	(0.96)	(9,342)
Other Bus	0.1	(970)	468.88	0.06	0.05	(1,002.20)	(0.13)	(0.11)	(1,038)
Urban Bus	0.1	(970)	468.88	0.06	0.05	(1,002.20)	(0.13)	(0.11)	(1,038)
Motorcycle	3.5	(33,933)	468.88	0.09	0.01	(35,077.15)	(6.73)	(0.75)	(35,450)
School Bus	0.1	(970)	468.88	0.06	0.05	(1,002.20)	(0.13)	(0.11)	(1,038)
Motor Home	1.0	(9,695)	468.88	0.05	0.06	(10,022.04)	(1.07)	(1.28)	(10,442)
Total NV Emissions						(1,002,204)	(117)	(138)	(1,047,480)

^a CH₄ and N₂O Emission factors, in grams per mile, from Table C.4, [General Reporting Protocol](#), California Climate Action Registry, March 2007; CO₂ emissions factors are fleet average gram per mile factors from the Mobile 6 and Emfac 2007 models for NV and CA, respectively.

^b Global Warming Potential, used to convert CH₄ and N₂O emissions to CO₂ equivalent (CO₂e) is 21 for CH₄ and 310 for N₂O; [General Reporting Protocol](#), California Climate Action Registry, March 2007.

Localized Carbon Monoxide Hot-spot Analysis

- California Emissions Factors
- Victorville Intersection Analyses
- Nevada Emissions Factors
- Las Vegas Intersection Analyses

Title : 2013_SB county
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/09/05 11:00:35
 Scen Year: 2013 -- All model years in the range 1969 to 2013 selected
 Season : Annual
 Area : San Bernardino

 Year: 2013-- Model Years 1969 to 2013, Inclusive --Annual
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Bernardino County Average

Table 1: Running Exhaust Emissions (grams/mile)
 Pollutant Name: Carbon Monoxide
 Temperature: 60F
 Relative Humidity: 50%

Speed MPH	LDA ALL	LDT1 ALL	LDT2 ALL	MDV ALL	LHD1 ALL	LHD2 ALL	MHD ALL	HHD ALL	OBUS ALL	UBUS ALL	MCY ALL	SBUS ALL	MH ALL	ALL ALL
3	3.333	6.464	5.039	5.804	6.39	5.113	8.312	15.796	21.839	26.314	29.918	25.397	32.218	5.834
4	3.231	6.192	4.882	5.594	6.39	5.113	8.312	15.796	21.839	26.314	29.918	25.397	32.218	5.706
5	3.136	5.941	4.734	5.398	6.39	5.113	8.312	15.796	21.839	26.314	29.918	25.397	32.218	5.587
6	3.046	5.704	4.595	5.215	5.868	4.703	7.667	14.717	20.063	24.1	28.765	23.382	29.569	5.339
7	2.96	5.483	4.463	5.044	5.401	4.335	7.086	13.702	18.471	22.121	27.707	21.571	27.197	5.107
8	2.88	5.279	4.338	4.885	4.982	4.005	6.562	12.749	17.043	20.352	26.736	19.942	25.07	4.891
9	2.803	5.089	4.22	4.734	4.606	3.707	6.088	11.856	15.758	18.765	25.845	18.473	23.16	4.69
10	2.731	4.911	4.107	4.594	4.267	3.438	5.66	11.021	14.602	17.342	25.029	17.148	21.443	4.503
11	2.662	4.746	4.001	4.461	3.961	3.196	5.272	10.242	13.56	16.062	24.28	15.95	19.897	4.327
12	2.597	4.592	3.9	4.336	3.686	2.977	4.92	9.518	12.619	14.911	23.595	14.867	18.503	4.164
13	2.535	4.447	3.804	4.218	3.437	2.779	4.601	8.848	11.769	13.873	22.969	13.886	17.245	4.012
14	2.475	4.312	3.712	4.107	3.211	2.599	4.311	8.231	11	12.936	22.398	12.995	16.107	3.869
15	2.418	4.185	3.625	4.002	3.007	2.436	4.047	7.665	10.303	12.09	21.878	12.187	15.078	3.737
16	2.364	4.066	3.541	3.902	2.822	2.288	3.807	7.149	9.671	11.324	21.407	11.453	14.145	3.614
17	2.313	3.954	3.461	3.808	2.655	2.154	3.588	6.684	9.097	10.631	20.981	10.785	13.299	3.499
18	2.263	3.848	3.385	3.718	2.502	2.032	3.388	6.269	8.576	10.003	20.599	10.176	12.532	3.393
19	2.216	3.749	3.313	3.633	2.364	1.92	3.206	5.885	8.102	9.433	20.257	9.622	11.834	3.294
20	2.17	3.656	3.243	3.552	2.237	1.819	3.039	5.688	7.67	8.915	19.955	9.116	11.2	3.213
21	2.127	3.568	3.176	3.475	2.123	1.726	2.887	5.499	7.277	8.445	19.691	8.654	10.623	3.136
22	2.085	3.485	3.112	3.402	2.018	1.642	2.747	5.319	6.92	8.017	19.462	8.233	10.098	3.064
23	2.045	3.407	3.051	3.332	1.923	1.565	2.62	5.146	6.593	7.628	19.269	7.848	9.62	2.995
24	2.006	3.333	2.992	3.266	1.836	1.495	2.503	4.982	6.296	7.274	19.111	7.496	9.185	2.93
25	1.969	3.263	2.935	3.203	1.757	1.43	2.396	4.825	6.025	6.953	18.986	7.175	8.789	2.868
26	1.934	3.198	2.881	3.142	1.685	1.372	2.298	4.675	5.778	6.66	18.894	6.882	8.428	2.81
27	1.899	3.135	2.829	3.085	1.619	1.318	2.209	4.532	5.553	6.394	18.835	6.613	8.1	2.755
28	1.867	3.077	2.78	3.03	1.56	1.27	2.127	4.396	5.348	6.152	18.809	6.369	7.802	2.702
29	1.835	3.022	2.732	2.978	1.505	1.225	2.052	4.267	5.162	5.933	18.816	6.146	7.531	2.653
30	1.805	2.97	2.686	2.928	1.456	1.185	1.984	4.144	4.993	5.734	18.857	5.943	7.286	2.606
31	1.775	2.921	2.642	2.881	1.412	1.148	1.921	4.027	4.84	5.554	18.931	5.758	7.064	2.562
32	1.747	2.875	2.599	2.836	1.371	1.115	1.864	3.916	4.702	5.392	19.04	5.59	6.864	2.521
33	1.72	2.832	2.559	2.793	1.335	1.085	1.813	3.812	4.577	5.247	19.185	5.439	6.685	2.482
34	1.694	2.791	2.52	2.752	1.303	1.058	1.766	3.713	4.466	5.116	19.366	5.302	6.524	2.446
35	1.669	2.753	2.482	2.713	1.274	1.034	1.724	3.621	4.366	5.001	19.586	5.179	6.381	2.412
36	1.646	2.718	2.446	2.676	1.248	1.013	1.686	3.534	4.278	4.898	19.846	5.07	6.255	2.381
37	1.623	2.685	2.412	2.641	1.226	0.994	1.652	3.453	4.2	4.809	20.147	4.972	6.145	2.351
38	1.601	2.655	2.379	2.609	1.207	0.977	1.622	3.377	4.133	4.731	20.493	4.887	6.05	2.325
39	1.58	2.627	2.348	2.578	1.19	0.963	1.596	3.307	4.076	4.666	20.886	4.813	5.97	2.3
40	1.56	2.602	2.318	2.549	1.176	0.951	1.571	3.243	4.028	4.611	21.328	4.75	5.904	2.278

Title : 2013_SB county
 Version : Emfac2007 V2.3 Nov 1 2006
 Run Date : 2008/09/05 11:02:53
 Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
 Season : Annual
 Area : San Bernardino

 Year:2030 -- Model Years 1986 to 2030 Inclusive -- Annual
 Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Bernardino County Average

Table 1: Running Exhaust Emissions (grams/mile)

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

Speed MPH	LDA ALL	LDT1 ALL	LDT2 ALL	MDV ALL	LHD1 ALL	LHD2 ALL	MHD ALL	HHD ALL	OBUS ALL	UBUS ALL	MCY ALL	SBUS ALL	MH ALL	ALL ALL
3	0.963	1.254	1.821	2.227	1.43	1.477	4.308	6.224	4.93	18.964	23.902	12.642	1.113	2.155
4	0.945	1.228	1.785	2.183	1.43	1.477	4.308	6.224	4.93	18.964	23.902	12.642	1.113	2.132
5	0.927	1.203	1.749	2.141	1.43	1.477	4.308	6.224	4.93	18.964	23.902	12.642	1.113	2.11
6	0.909	1.179	1.715	2.1	1.316	1.363	3.983	5.672	4.55	17.37	23.071	11.683	1.023	2.013
7	0.892	1.155	1.682	2.059	1.214	1.261	3.689	5.159	4.208	15.946	22.304	10.816	0.942	1.923
8	0.875	1.131	1.649	2.02	1.122	1.168	3.424	4.686	3.899	14.672	21.596	10.032	0.869	1.839
9	0.858	1.109	1.618	1.982	1.039	1.084	3.183	4.249	3.62	13.53	20.942	9.323	0.804	1.761
10	0.842	1.087	1.587	1.945	0.964	1.009	2.964	3.849	3.367	12.505	20.338	8.68	0.745	1.688
11	0.827	1.066	1.557	1.908	0.897	0.94	2.766	3.484	3.138	11.584	19.781	8.097	0.692	1.62
12	0.812	1.045	1.528	1.873	0.835	0.878	2.586	3.152	2.93	10.754	19.267	7.566	0.644	1.557
13	0.797	1.025	1.5	1.839	0.78	0.821	2.422	2.854	2.741	10.007	18.794	7.084	0.601	1.499
14	0.783	1.006	1.472	1.805	0.73	0.77	2.273	2.588	2.569	9.332	18.357	6.645	0.562	1.446
15	0.769	0.987	1.445	1.773	0.684	0.723	2.136	2.355	2.413	8.723	17.957	6.245	0.526	1.397
16	0.755	0.969	1.419	1.741	0.643	0.68	2.012	2.152	2.27	8.171	17.589	5.88	0.494	1.352
17	0.742	0.951	1.394	1.71	0.605	0.641	1.898	1.98	2.14	7.672	17.252	5.546	0.465	1.312
18	0.729	0.933	1.369	1.68	0.571	0.606	1.794	1.839	2.022	7.219	16.945	5.241	0.438	1.275
19	0.716	0.917	1.345	1.65	0.54	0.573	1.699	1.718	1.913	6.808	16.667	4.962	0.414	1.242
20	0.703	0.9	1.321	1.622	0.512	0.544	1.612	1.673	1.814	6.435	16.415	4.707	0.392	1.217
21	0.691	0.884	1.298	1.594	0.486	0.517	1.532	1.631	1.724	6.096	16.19	4.473	0.372	1.193
22	0.68	0.869	1.276	1.566	0.462	0.492	1.459	1.593	1.641	5.788	15.989	4.259	0.354	1.171
23	0.668	0.854	1.254	1.54	0.44	0.469	1.392	1.557	1.565	5.507	15.813	4.063	0.337	1.15
24	0.657	0.839	1.233	1.514	0.421	0.448	1.33	1.525	1.495	5.252	15.66	3.883	0.322	1.129
25	0.646	0.824	1.212	1.488	0.403	0.429	1.274	1.495	1.431	5.02	15.531	3.717	0.308	1.11
26	0.635	0.811	1.192	1.464	0.386	0.411	1.222	1.468	1.373	4.809	15.424	3.566	0.295	1.092
27	0.625	0.797	1.172	1.439	0.371	0.395	1.174	1.443	1.319	4.617	15.341	3.427	0.284	1.074
28	0.615	0.784	1.153	1.416	0.357	0.381	1.13	1.42	1.27	4.443	15.279	3.299	0.273	1.058
29	0.605	0.771	1.134	1.393	0.345	0.367	1.09	1.4	1.226	4.285	15.241	3.183	0.264	1.042
30	0.595	0.758	1.116	1.371	0.333	0.355	1.054	1.381	1.185	4.142	15.225	3.076	0.255	1.027
31	0.585	0.746	1.098	1.349	0.323	0.344	1.02	1.365	1.147	4.012	15.233	2.978	0.247	1.013
32	0.576	0.734	1.081	1.327	0.314	0.334	0.989	1.35	1.113	3.895	15.264	2.889	0.24	1
33	0.567	0.722	1.064	1.306	0.305	0.324	0.961	1.337	1.082	3.79	15.32	2.807	0.234	0.987
34	0.558	0.711	1.047	1.286	0.298	0.316	0.936	1.326	1.054	3.697	15.4	2.733	0.228	0.976
35	0.55	0.7	1.031	1.266	0.291	0.308	0.913	1.317	1.029	3.613	15.507	2.666	0.223	0.965
36	0.541	0.689	1.015	1.247	0.285	0.301	0.892	1.309	1.006	3.539	15.641	2.605	0.218	0.954
37	0.533	0.679	1	1.228	0.279	0.295	0.873	1.303	0.985	3.475	15.803	2.551	0.215	0.945
38	0.525	0.669	0.984	1.209	0.274	0.29	0.856	1.298	0.967	3.419	15.995	2.502	0.211	0.936
39	0.517	0.659	0.97	1.191	0.27	0.285	0.841	1.295	0.951	3.372	16.218	2.459	0.208	0.928
40	0.51	0.649	0.955	1.174	0.267	0.281	0.828	1.293	0.937	3.333	16.475	2.421	0.206	0.921

VICTORVILLE ALTERNATIVE 1- 2013 SCENARIO

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND I-15 SB OFF-RAMPS EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	1241	2.6	.0	10.5
B. NA	2	-150	2	0	AG	1224	5.1	.0	9.9
C. ND	2	0	2	150	AG	1304	3.1	.0	9.9
D. NE	2	150	2	450	AG	1304	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	1185	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	1184	5.1	.0	9.9
G. SD	-2	0	-2	-150	AG	1253	3.1	.0	9.9
H. SE	-2	-150	-2	-450	AG	1253	2.6	.0	10.5
I. WF	450	2	150	2	AG	144	2.6	.0	10.5
J. WA	150	2	0	2	AG	83	5.8	.0	9.9
K. WD	0	2	-150	2	AG	40	5.8	.0	9.9
L. WE	-150	2	-450	2	AG	40	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	30	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	25	5.8	.0	9.9
O. ED	0	-2	150	-2	AG	3	5.8	.0	9.9
P. EE	150	-2	450	-2	AG	3	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	17	3.5	.0	9.9
R. SL	0	0	-2	150	AG	1	3.5	.0	9.9
S. WL	0	0	150	2	AG	61	5.8	.0	9.9
T. EL	0	0	-150	-2	AG	5	5.8	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	CONC/LINK (PPM)									
			A	B	C	D	E	F	G	H		
1. NE3	184.	1.9	.1	1.2	.0	.0	.0	.0	.3	.2		
2. SE3	185.	1.9	.0	1.3	.0	.0	.0	.3	.1	.0		
3. SW3	4.	1.8	.0	.0	.3	.2	.1	1.1	.0	.0		
4. NW3	5.	1.8	.0	.0	.3	.1	.0	1.3	.0	.0		

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND STATION ACCESS # 1 DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	* 2	-450	2	-150	* AG	313	2.6	.0	10.5
B. NA	* 2	-150	2	0	* AG	312	3.6	.0	9.9
C. ND	* 2	0	2	150	* AG	313	2.8	.0	9.9
D. NE	* 2	150	2	450	* AG	313	2.6	.0	10.5
E. SF	* -2	450	-2	150	* AG	447	2.6	.0	10.5
F. SA	* -2	150	-2	0	* AG	446	3.6	.0	9.9
G. SD	* -2	0	-2	-150	* AG	447	2.8	.0	9.9
H. SE	* -2	-150	-2	-450	* AG	447	2.6	.0	10.5
I. WF	* 450	2	150	2	* AG	3	2.6	.0	10.5
J. WA	* 150	2	0	2	* AG	2	5.8	.0	9.9
K. WD	* 0	2	-150	2	* AG	3	5.8	.0	9.9
L. WE	* -150	2	-450	2	* AG	3	2.6	.0	10.5
M. EF	* -450	-2	-150	-2	* AG	3	2.6	.0	10.5
N. EA	* -150	-2	0	-2	* AG	2	5.8	.0	9.9
O. ED	* 0	-2	150	-2	* AG	3	5.8	.0	9.9
P. EE	* 150	-2	450	-2	* AG	3	2.6	.0	10.5
Q. NL	* 0	0	2	-150	* AG	1	3.5	.0	9.9
R. SL	* 0	0	-2	150	* AG	1	3.5	.0	9.9
S. WL	* 0	0	150	2	* AG	1	5.8	.0	9.9
T. EL	* 0	0	-150	-2	* AG	1	5.8	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z
1. NE3	* 8	8	1.8
2. SE3	* 8	-8	1.8
3. SW3	* -8	-8	1.8
4. NW3	* -8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. NE3	* 184.	* .5	* .0	* .2	* .0	* .0	* .0	* .0	* .1	* .0		
2. SE3	* 356.	* .5	* .0	* .0	* .2	* .0	* .0	* .1	* .0	* .0		
3. SW3	* 4.	* .6	* .0	* .0	* .0	* .0	* .0	* .3	* .0	* .0		
4. NW3	* 4.	* .6	* .0	* .0	* .0	* .0	* .0	* .4	* .0	* .0		

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND STATION ACCESS # 1 DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	1016	2.6	.0	10.5
B. NA	2	-150	2	0	AG	1015	3.7	.0	9.9
C. ND	2	0	2	150	AG	524	2.8	.0	9.9
D. NE	2	150	2	450	AG	524	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	447	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	446	3.6	.0	9.9
G. SD	-2	0	-2	-150	AG	970	3.1	.0	9.9
H. SE	-2	-150	-2	-450	AG	970	2.6	.0	10.5
I. WF	450	2	150	2	AG	526	2.6	.0	10.5
J. WA	150	2	0	2	AG	2	5.1	.0	9.9
K. WD	0	2	-150	2	AG	3	3.1	.0	9.9
L. WE	-150	2	-450	2	AG	3	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	3	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	2	5.1	.0	9.9
O. ED	0	-2	150	-2	AG	495	5.1	.0	9.9
P. EE	150	-2	450	-2	AG	495	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	1	3.5	.0	9.9
R. SL	0	0	-2	150	AG	1	3.5	.0	9.9
S. WL	0	0	150	2	AG	524	5.8	.0	9.9
T. EL	0	0	-150	-2	AG	1	5.1	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)								
						D	E	F	G	H				
1. NE3	184.	1.5	.0	.7	.0	.0	.0	.0	.2	.1				
2. SE3	184.	1.3	.1	.8	.0	.0	.0	.0	.2	.1				
3. SW3	85.	1.4	.0	.2	.0	.0	.0	.0	.2	.0				
4. NW3	95.	1.0	.0	.0	.0	.0	.0	.1	.0	.0				

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)								
						N	O	P	Q	R	S	T		
1. NE3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0		
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
3. SW3	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.4	.0		
4. NW3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.4	.0		

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND STATION ACCESS # 1 EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	1305	2.6	.0	10.5
B. NA	2	-150	2	0	AG	1304	4.2	.0	9.9
C. ND	2	0	2	150	AG	611	2.8	.0	9.9
D. NE	2	150	2	450	AG	611	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	447	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	446	3.6	.0	9.9
G. SD	-2	0	-2	-150	AG	1185	3.1	.0	9.9
H. SE	-2	-150	-2	-450	AG	1185	2.6	.0	10.5
I. WF	450	2	150	2	AG	741	2.6	.0	10.5
J. WA	150	2	0	2	AG	2	5.1	.0	9.9
K. WD	0	2	-150	2	AG	3	3.1	.0	9.9
L. WE	-150	2	-450	2	AG	3	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	3	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	2	5.1	.0	9.9
O. ED	0	-2	150	-2	AG	697	5.8	.0	9.9
P. EE	150	-2	450	-2	AG	697	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	1	3.5	.0	9.9
R. SL	0	0	-2	150	AG	1	3.5	.0	9.9
S. WL	0	0	150	2	AG	739	5.8	.0	9.9
T. EL	0	0	-150	-2	AG	1	5.1	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	184.	2.1	.1	1.0	.0	.0	.0	.0	.3	.1	
2. SE3	185.	1.7	.0	1.2	.0	.0	.0	.0	.3	.1	
3. SW3	85.	2.0	.0	.3	.0	.0	.0	.0	.3	.0	
4. NW3	96.	1.3	.0	.0	.0	.0	.0	.1	.0	.0	

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.3	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.6	.0
4. NW3	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.6	.0

VICTORVILLE ALTERNATIVE 1- 2030 SCENARIO

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND STATION ACCESS # 1 DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	* AG	1655	1.0	.0	10.5
B. NA	2	-150	2	0	* AG	1654	1.9	.0	9.9
C. ND	2	0	2	150	* AG	1655	1.2	.0	9.9
D. NE	2	150	2	450	* AG	1655	1.0	.0	10.5
E. SF	-2	450	-2	150	* AG	2424	1.0	.0	10.5
F. SA	-2	150	-2	0	* AG	2423	1.9	.0	9.9
G. SD	-2	0	-2	-150	* AG	2424	1.2	.0	9.9
H. SE	-2	-150	-2	-450	* AG	2424	1.0	.0	10.5
I. WF	450	2	150	2	* AG	3	1.0	.0	10.5
J. WA	150	2	0	2	* AG	2	2.2	.0	9.9
K. WD	0	2	-150	2	* AG	3	2.2	.0	9.9
L. WE	-150	2	-450	2	* AG	3	1.0	.0	10.5
M. EF	-450	-2	-150	-2	* AG	3	1.0	.0	10.5
N. EA	-150	-2	0	-2	* AG	2	2.2	.0	9.9
O. ED	0	-2	150	-2	* AG	3	2.2	.0	9.9
P. EE	150	-2	450	-2	* AG	3	1.0	.0	10.5
Q. NL	0	0	2	-150	* AG	1	1.3	.0	9.9
R. SL	0	0	-2	150	* AG	1	1.3	.0	9.9
S. WL	0	0	150	2	* AG	1	2.2	.0	9.9
T. EL	0	0	-150	-2	* AG	1	2.2	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	D	E	F	G	H
1. NE3	185.	.9	.0	.6	.0	.0	.0	.0	.2	.0
2. SE3	354.	.9	.0	.0	.3	.0	.0	.4	.0	.0
3. SW3	5.	1.1	.0	.0	.2	.0	.0	.8	.0	.0
4. NW3	5.	1.1	.0	.0	.2	.0	.0	.9	.0	.0

RECEPTOR	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND STATION ACCESS # 1 EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	7	-450	7	-150	* AG	1655	1.0	.0	15.0
B. NA	7	-150	7	0	* AG	1654	1.5	.0	13.5
C. ND	5	0	5	150	* AG	1655	1.2	.0	9.9
D. NE	5	150	5	450	* AG	1655	1.0	.0	10.5
E. SF	-5	450	-5	150	* AG	2424	1.0	.0	10.5
F. SA	-5	150	-5	0	* AG	2423	1.9	.0	9.9
G. SD	-2	0	-2	-150	* AG	2424	1.2	.0	9.9
H. SE	-2	-150	-2	-450	* AG	2424	1.0	.0	10.5
I. WF	450	11	150	11	* AG	3	1.0	.0	15.0
J. WA	150	11	0	11	* AG	2	2.2	.0	18.0
K. WD	0	11	-150	11	* AG	3	2.2	.0	9.9
L. WE	-150	11	-450	11	* AG	3	1.0	.0	15.0
M. EF	-450	-11	-150	-11	* AG	3	1.0	.0	15.0
N. EA	-150	-11	0	-11	* AG	2	2.2	.0	22.5
O. ED	0	-11	150	-11	* AG	3	2.2	.0	9.9
P. EE	150	-11	450	-11	* AG	3	1.0	.0	15.0
Q. NL	0	0	5	-150	* AG	1	1.3	.0	9.9
R. SL	0	0	-5	150	* AG	1	1.3	.0	9.9
S. WL	0	0	150	9	* AG	1	2.2	.0	9.9
T. EL	0	0	-150	-9	* AG	1	2.2	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z
1. NE3	10	19	1.8
2. SE3	14	-19	1.8
3. SW3	-14	-19	1.8
4. NW3	-10	19	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	CONC/LINK (PPM)									
			A	B	C	D	E	F	G	H		
1. NE3	353.	.7	.0	.0	.4	.0	.0	.2	.0	.0		
2. SE3	350.	.6	.0	.1	.2	.0	.0	.2	.0	.0		
3. SW3	7.	.6	.0	.0	.0	.0	.0	.4	.0	.0		
4. NW3	5.	1.1	.0	.0	.0	.0	.0	.9	.0	.0		

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND STATION ACCESS # 1 DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M) Y1	* X2	LINK COORDINATES (M) Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	* 2	-450	2	-150	* AG	2358	1.0	.0	10.5
B. NA	* 2	-150	2	0	* AG	2357	1.9	.0	9.9
C. ND	* 2	0	2	150	* AG	1866	1.2	.0	9.9
D. NE	* 2	150	2	450	* AG	1866	1.0	.0	10.5
E. SF	* -2	450	-2	150	* AG	2424	1.0	.0	10.5
F. SA	* -2	150	-2	0	* AG	2423	1.9	.0	9.9
G. SD	* -2	0	-2	-150	* AG	2947	1.2	.0	9.9
H. SE	* -2	-150	-2	-450	* AG	2947	1.0	.0	10.5
I. WF	* 450	2	150	2	* AG	526	1.0	.0	10.5
J. WA	* 150	2	0	2	* AG	2	2.2	.0	9.9
K. WD	* 0	2	-150	2	* AG	3	2.2	.0	9.9
L. WE	* -150	2	-450	2	* AG	3	1.0	.0	10.5
M. EF	* -450	-2	-150	-2	* AG	3	1.0	.0	10.5
N. EA	* -150	-2	0	-2	* AG	2	2.2	.0	9.9
O. ED	* 0	-2	150	-2	* AG	495	2.2	.0	9.9
P. EE	* 150	-2	450	-2	* AG	495	1.0	.0	10.5
Q. NL	* 0	0	2	-150	* AG	1	1.3	.0	9.9
R. SL	* 0	0	-2	150	* AG	1	1.3	.0	9.9
S. WL	* 0	0	150	2	* AG	524	2.2	.0	9.9
T. EL	* 0	0	-150	-2	* AG	1	2.2	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. NE3	* 8	8	1.8
2. SE3	* 8	-8	1.8
3. SW3	* -8	-8	1.8
4. NW3	* -8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	* 185.	* 1.3	* .0	.7	.0	.0	.0	.0	.3	.0	
2. SE3	* 185.	* 1.2	* .0	.9	.0	.0	.0	.0	.2	.0	
3. SW3	* 175.	* 1.1	* .0	.3	.0	.0	.0	.0	.7	.0	
4. NW3	* 174.	* 1.1	* .0	.4	.0	.0	.0	.1	.6	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND STATION ACCESS # 1 EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	7	-450	7	-150	* AG	2647	1.0	.0	15.0
B. NA	7	-150	7	0	* AG	2646	1.8	.0	13.5
C. ND	5	0	5	150	* AG	1953	1.2	.0	9.9
D. NE	5	150	5	450	* AG	1953	1.0	.0	10.5
E. SF	-5	450	-5	150	* AG	2424	1.0	.0	10.5
F. SA	-5	150	-5	0	* AG	2423	1.9	.0	9.9
G. SD	-2	0	-2	-150	* AG	3162	1.2	.0	9.9
H. SE	-2	-150	-2	-450	* AG	3162	1.0	.0	10.5
I. WF	450	11	150	11	* AG	741	1.0	.0	15.0
J. WA	150	11	0	11	* AG	2	2.2	.0	18.0
K. WD	0	11	-150	11	* AG	3	1.9	.0	9.9
L. WE	-150	11	-450	11	* AG	3	1.0	.0	15.0
M. EF	-450	-11	-150	-11	* AG	3	1.0	.0	15.0
N. EA	-150	-11	0	-11	* AG	2	2.2	.0	22.5
O. ED	0	-11	150	-11	* AG	697	2.2	.0	9.9
P. EE	150	-11	450	-11	* AG	697	1.0	.0	15.0
Q. NL	0	0	5	-150	* AG	1	1.3	.0	9.9
R. SL	0	0	-5	150	* AG	1	1.3	.0	9.9
S. WL	0	0	150	9	* AG	739	2.2	.0	9.9
T. EL	0	0	-150	-9	* AG	1	2.2	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	19	1.8
2. SE3	14	-19	1.8
3. SW3	-14	-19	1.8
4. NW3	-10	19	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)				
						D	E	F	G	H
1. NE3	183.	1.2	.0	.6	.1	.0	.0	.0	.1	.1
2. SE3	348.	.9	.0	.3	.2	.0	.0	.2	.0	.0
3. SW3	81.	.6	.0	.2	.0	.0	.0	.0	.2	.0
4. NW3	172.	1.1	.0	.3	.0	.0	.0	.4	.4	.0

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: STODDARD WELLS RD AND I-15 SB RAMPS DEMUNP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

Table with columns: LINK DESCRIPTION, * X1 Y1 X2 Y2, * TYPE, VPH, EF (G/MI), H (M), W (M). Rows A through T listing link details.

III. RECEPTOR LOCATIONS

Table with columns: RECEPTOR, * X Y Z. Rows 1 through 4 listing receptor coordinates.

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

Table with columns: RECEPTOR, * BRG (DEG), * PRED CONC (PPM), * A B C D E F G H. Rows 1 through 4 listing model results.

Table with columns: RECEPTOR, * I J K L M N O P Q R S T. Rows 1 through 4 listing model results.

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND I-15 SB RAMPS EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	* AG	263	1.0	.0	10.5
B. NA	2	-150	2	0	* AG	133	2.2	.0	9.9
C. ND	2	0	2	150	* AG	2127	2.2	.0	9.9
D. NE	2	150	2	450	* AG	2127	1.0	.0	10.5
E. SF	-2	450	-2	150	* AG	126	1.0	.0	10.5
F. SA	-2	150	-2	0	* AG	42	2.2	.0	9.9
G. SD	-2	0	-2	-150	* AG	300	2.2	.0	9.9
H. SE	-2	-150	-2	-450	* AG	300	1.0	.0	10.5
I. WF	450	2	150	2	* AG	2446	1.0	.0	10.5
J. WA	150	2	0	2	* AG	2345	1.9	.0	9.9
K. WD	0	2	-150	2	* AG	1653	1.2	.0	9.9
L. WE	-150	2	-450	2	* AG	1653	1.0	.0	10.5
M. EF	-450	-2	-150	-2	* AG	2422	1.0	.0	10.5
N. EA	-150	-2	0	-2	* AG	1283	1.9	.0	9.9
O. ED	0	-2	150	-2	* AG	1177	1.2	.0	9.9
P. EE	150	-2	450	-2	* AG	1177	1.0	.0	10.5
Q. NL	0	0	2	-150	* AG	130	2.2	.0	9.9
R. SL	0	0	-2	150	* AG	84	2.2	.0	9.9
S. WL	0	0	150	2	* AG	101	1.3	.0	9.9
T. EL	0	0	-150	-2	* AG	1139	1.9	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	CONC/LINK (PPM)									
			A	B	C	D	E	F	G	H		
1. NE3	* 264.	* 1.4	* .0	* .0	* .3	* .0	* .0	* .0	* .0	* .0	* .0	* .0
2. SE3	* 356.	* 1.2	* .0	* .0	* .8	* .0	* .0	* .0	* .0	* .0	* .0	* .0
3. SW3	* 275.	* 1.1	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
4. NW3	* 95.	* 1.3	* .0	* .0	* .2	* .0	* .0	* .0	* .0	* .0	* .0	* .0

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	* .0	* .1	* .3	* .0	* .0	* .2	* .0	* .0	* .0	* .0	* .0	* .3
2. SE3	* .0	* .2	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
3. SW3	* .0	* .0	* .2	* .0	* .0	* .5	* .0	* .0	* .0	* .0	* .0	* .3
4. NW3	* .0	* .7	* .0	* .0	* .0	* .0	* .1	* .0	* .0	* .0	* .0	* .0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND I-15 SB RAMPS DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	7	-450	7	-150	* AG	263	1.0	.0	15.0
B. NA	7	-150	7	0	* AG	133	2.2	.0	13.5
C. ND	5	0	5	150	* AG	2127	2.2	.0	9.9
D. NE	5	150	5	450	* AG	2127	1.0	.0	10.5
E. SF	-5	450	-5	150	* AG	161	1.0	.0	15.0
F. SA	-5	150	-5	0	* AG	77	2.2	.0	9.9
G. SD	-2	0	-2	-150	* AG	300	2.2	.0	9.9
H. SE	-2	-150	-2	-450	* AG	300	1.0	.0	10.5
I. WF	450	11	150	11	* AG	3114	1.0	.0	15.0
J. WA	150	11	0	11	* AG	3013	1.6	.0	18.0
K. WD	0	11	-150	11	* AG	2356	1.2	.0	9.9
L. WE	-150	11	-450	11	* AG	2356	1.0	.0	15.0
M. EF	-450	-11	-150	-11	* AG	2422	1.0	.0	15.0
N. EA	-150	-11	0	-11	* AG	1283	1.4	.0	22.5
O. ED	0	-11	150	-11	* AG	1177	1.1	.0	9.9
P. EE	150	-11	450	-11	* AG	1177	1.0	.0	15.0
Q. NL	0	0	5	-150	* AG	130	2.2	.0	9.9
R. SL	0	0	-5	150	* AG	84	2.2	.0	9.9
S. WL	0	0	150	9	* AG	101	1.3	.0	9.9
T. EL	0	0	-150	-9	* AG	1139	1.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z
1. NE3	10	19	1.8
2. SE3	14	-19	1.8
3. SW3	-14	-19	1.8
4. NW3	-10	19	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)						
			D	E	F	G	H					
1. NE3	259.	1.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
2. SE3	352.	.7	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
3. SW3	32.	.5	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
4. NW3	94.	1.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND I-15 SB RAMPS EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	263	1.0	.0	10.5
B. NA	2	-150	2	0	AG	133	2.2	.0	9.9
C. ND	2	0	2	150	AG	2755	2.2	.0	9.9
D. NE	2	150	2	450	AG	2755	1.0	.0	10.5
E. SF	-2	450	-2	150	AG	126	1.0	.0	10.5
F. SA	-2	150	-2	0	AG	42	2.2	.0	9.9
G. SD	-2	0	-2	-150	AG	300	2.2	.0	9.9
H. SE	-2	-150	-2	-450	AG	300	1.0	.0	10.5
I. WF	450	2	150	2	AG	2446	1.0	.0	10.5
J. WA	150	2	0	2	AG	2345	1.9	.0	9.9
K. WD	0	2	-150	2	AG	1653	1.2	.0	9.9
L. WE	-150	2	-450	2	AG	1653	1.0	.0	10.5
M. EF	-450	-2	-150	-2	AG	3161	1.0	.0	10.5
N. EA	-150	-2	0	-2	AG	1394	1.9	.0	9.9
O. ED	0	-2	150	-2	AG	1288	1.2	.0	9.9
P. EE	150	-2	450	-2	AG	1288	1.0	.0	10.5
Q. NL	0	0	2	-150	AG	130	2.2	.0	9.9
R. SL	0	0	-2	150	AG	84	2.2	.0	9.9
S. WL	0	0	150	2	AG	101	1.3	.0	9.9
T. EL	0	0	-150	-2	AG	1767	1.9	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)				
						D	E	F	G	H
1. NE3	263.	1.6	.0	.0	.4	.0	.0	.0	.0	.0
2. SE3	356.	1.4	.0	.0	1.0	.0	.0	.0	.0	.0
3. SW3	8.	1.1	.0	.0	.5	.0	.0	.0	.0	.0
4. NW3	95.	1.4	.0	.0	.3	.0	.0	.0	.0	.0

RECEPTOR	I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.1	.3	.0	.0	.3	.0	.0	.0	.0	.0	.4
2. SE3	.0	.2	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
3. SW3	.0	.0	.1	.0	.0	.2	.0	.0	.0	.0	.0	.2
4. NW3	.0	.7	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND I-15 NB RAMPS DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M)	* Y1	X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	* 7	-450	* 7	-150	* AG	2661	1.0	.0	15.0	
B. NA	* 7	-150	* 7	0	* AG	2008	1.8	.0	18.0	
C. ND	* 5	0	* 5	150	* AG	185	1.1	.0	9.9	
D. NE	* 5	150	* 5	450	* AG	185	1.0	.0	10.5	
E. SF	* -9	450	* -9	150	* AG	3	1.0	.0	10.5	
F. SA	* -9	150	* -9	0	* AG	2	1.6	.0	9.9	
G. SD	* -9	0	* -9	-150	* AG	1795	2.1	.0	9.9	
H. SE	* -9	-150	* -9	-450	* AG	1795	1.0	.0	10.5	
I. WF	* 450	7	* 150	7	* AG	1825	1.0	.0	15.0	
J. WA	* 150	7	* 7	0	* AG	32	1.6	.0	13.5	
K. WD	* 0	7	* -150	7	* AG	670	1.1	.0	9.9	
L. WE	* -150	7	* -450	7	* AG	670	1.0	.0	15.0	
M. EF	* -450	-7	* -150	-7	* AG	1178	1.0	.0	15.0	
N. EA	* -150	-7	* 0	-7	* AG	1010	1.6	.0	13.5	
O. ED	* 0	-7	* 150	-7	* AG	3017	1.8	.0	9.9	
P. EE	* 150	-7	* 450	-7	* AG	3017	1.0	.0	15.0	
Q. NL	* 0	0	* 5	-150	* AG	653	1.7	.0	9.9	
R. SL	* 0	0	* -9	150	* AG	1	1.6	.0	9.9	
S. WL	* 0	0	* 150	5	* AG	1793	2.2	.0	9.9	
T. EL	* 0	0	* -150	-5	* AG	168	1.6	.0	9.9	

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M)	* Y	Z
1. NE3	* 10	14	* 1.8	
2. SE3	* 14	-14	* 1.8	
3. SW3	* -14	-14	* 1.8	
4. NW3	* -14	14	* 1.8	

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	* 184.	* 1.1	* .0	.4	.0	.0	.0	.0	.0	.0	
2. SE3	* 80.	* .9	* .0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	* 82.	* 1.4	* .0	.1	.0	.0	.0	.0	.3	.0	
4. NW3	* 175.	* .9	* .1	.0	.0	.0	.0	.0	.6	.0	

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	* .0	.0	.0	.0	.0	.0	.2	.0	.1	.0	.2	.0
2. SE3	* .0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.2	.0
3. SW3	* .0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.2	.0
4. NW3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND I-15 NB RAMPS EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	7	-450	7	-150	AG	2661	1.0	.0	15.0
B. NA	7	-150	7	0	AG	2008	1.8	.0	18.0
C. ND	5	0	5	150	AG	185	1.1	.0	9.9
D. NE	5	150	5	450	AG	185	1.0	.0	10.5
E. SF	-9	450	-9	150	AG	3	1.0	.0	10.5
F. SA	-9	150	-9	0	AG	2	1.6	.0	9.9
G. SD	-9	0	-9	-150	AG	1795	2.1	.0	9.9
H. SE	-9	-150	-9	-450	AG	1795	1.0	.0	10.5
I. WF	450	7	150	7	AG	1825	1.0	.0	15.0
J. WA	150	7	0	7	AG	32	1.6	.0	13.5
K. WD	0	7	-150	7	AG	670	1.1	.0	9.9
L. WE	-150	7	-450	7	AG	670	1.0	.0	15.0
M. EF	-450	-7	-150	-7	AG	1178	1.0	.0	15.0
N. EA	-150	-7	0	-7	AG	1010	1.6	.0	13.5
O. ED	0	-7	150	-7	AG	3017	1.8	.0	9.9
P. EE	150	-7	450	-7	AG	3017	1.0	.0	15.0
Q. NL	0	0	5	-150	AG	653	1.7	.0	9.9
R. SL	0	0	-9	150	AG	1	1.6	.0	9.9
S. WL	0	0	150	5	AG	1793	2.2	.0	9.9
T. EL	0	0	-150	-5	AG	168	1.6	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	14	1.8
2. SE3	14	-14	1.8
3. SW3	-14	-14	1.8
4. NW3	-14	14	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	CONC/LINK (PPM)									
			* A	B	C	D	E	F	G	H		
1. NE3	184.	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	80.	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	82.	1.4	.0	.1	.0	.0	.0	.0	.0	.3	.0	.0
4. NW3	175.	.9	.1	.0	.0	.0	.0	.0	.0	.6	.0	.0

RECEPTOR	CONC/LINK (PPM)											
	* I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.2	.0	.1	.0	.2	.0
2. SE3	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.2	.0
3. SW3	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.2	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND I-15 NB RAMPS DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	7	-450	7	-150	AG	3259	1.0	.0	15.0
B. NA	7	-150	7	0	AG	2008	1.8	.0	18.0
C. ND	5	0	5	150	AG	211	1.1	.0	9.9
D. NE	5	150	5	450	AG	211	1.0	.0	10.5
E. SF	-9	450	-9	150	AG	3	1.0	.0	10.5
F. SA	-9	150	-9	0	AG	2	1.6	.0	9.9
G. SD	-9	0	-9	-150	AG	1865	1.9	.0	9.9
H. SE	-9	-150	-9	-450	AG	1865	1.0	.0	10.5
I. WF	450	7	150	7	AG	1895	1.0	.0	15.0
J. WA	150	7	0	7	AG	32	1.6	.0	13.5
K. WD	0	7	-150	7	AG	1268	1.2	.0	9.9
L. WE	-150	7	-450	7	AG	1268	1.0	.0	15.0
M. EF	-450	-7	-150	-7	AG	1256	1.0	.0	15.0
N. EA	-150	-7	0	-7	AG	1062	1.7	.0	13.5
O. ED	0	-7	150	-7	AG	3069	2.0	.0	9.9
P. EE	150	-7	450	-7	AG	3069	1.0	.0	15.0
Q. NL	0	0	5	-150	AG	1251	1.8	.0	9.9
R. SL	0	0	-9	150	AG	1	1.6	.0	9.9
S. WL	0	0	150	5	AG	1863	2.2	.0	9.9
T. EL	0	0	-150	-5	AG	194	1.6	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	14	1.8
2. SE3	14	-14	1.8
3. SW3	-14	-14	1.8
4. NW3	-14	14	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	184.	1.2	.0	.4	.0	.0	.0	.0	.0	.0	
2. SE3	80.	1.0	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	82.	1.5	.0	.1	.0	.0	.0	.0	.3	.0	
4. NW3	173.	1.0	.0	.1	.0	.0	.0	.0	.5	.0	

RECEPTOR	* I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.2	.0	.2	.0	.2	.0
2. SE3	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.2	.0
3. SW3	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.2	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND I-15 NB RAMPS EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M) Y1	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	* 7	-450	7 -150	* AG	3505	1.0	.0	15.0
B. NA	* 7	-150	7 0	* AG	2008	1.7	.0	18.0
C. ND	* 5	0	5 150	* AG	222	1.1	.0	9.9
D. NE	* 5	150	5 450	* AG	222	1.0	.0	10.5
E. SF	* -9	450	-9 150	* AG	3	1.0	.0	10.5
F. SA	* -9	150	-9 0	* AG	2	1.6	.0	9.9
G. SD	* -9	0	-9 -150	* AG	1894	1.8	.0	9.9
H. SE	* -9	-150	-9 -450	* AG	1894	1.0	.0	10.5
I. WF	* 450	7	150 7	* AG	1924	1.0	.0	15.0
J. WA	* 150	7	0 7	* AG	32	1.6	.0	13.5
K. WD	* 0	7	-150 7	* AG	1514	1.6	.0	9.9
L. WE	* -150	7	-450 7	* AG	1514	1.0	.0	15.0
M. EF	* -450	-7	-150 -7	* AG	1289	1.0	.0	15.0
N. EA	* -150	-7	0 -7	* AG	1084	1.8	.0	13.5
O. ED	* 0	-7	150 -7	* AG	3091	2.0	.0	9.9
P. EE	* 150	-7	450 -7	* AG	3091	1.0	.0	15.0
Q. NL	* 0	0	5 -150	* AG	1497	2.0	.0	9.9
R. SL	* 0	0	-9 150	* AG	1	1.6	.0	9.9
S. WL	* 0	0	150 5	* AG	1892	2.2	.0	9.9
T. EL	* 0	0	-150 -5	* AG	205	1.6	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. NE3	* 10	14	1.8
2. SE3	* 14	-14	1.8
3. SW3	* -14	-14	1.8
4. NW3	* -14	14	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
				D	E	F	G	H				
1. NE3	* 184.	* 1.3	* .0	.4	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	* 80.	* 1.0	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	* 82.	* 1.6	* .0	.1	.0	.0	.0	.0	.0	.2	.0	.0
4. NW3	* 173.	* 1.1	* .1	.1	.0	.0	.0	.0	.0	.5	.0	.0

RECEPTOR	* I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	* .0	.0	.0	.0	.0	.0	.2	.0	.3	.0	.2	.0
2. SE3	* .0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.2	.0
3. SW3	* .0	.0	.0	.0	.0	.0	.7	.0	.1	.0	.2	.0
4. NW3	* .0	.0	.1	.0	.0	.0	.0	.0	.2	.0	.0	.0

VICTORVILLE ALTERNATIVE 2- 2013 SCENARIO

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND STODDARD WELLS RD DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	26	2.6	.0	10.5
B. NA	2	-150	2	0	AG	21	4.9	.0	9.9
C. ND	2	0	2	150	AG	23	3.1	.0	9.9
D. NE	2	150	2	450	AG	23	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	172	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	28	4.9	.0	9.9
G. SD	-2	0	-2	-150	AG	29	3.1	.0	9.9
H. SE	-2	-150	-2	-450	AG	29	2.6	.0	10.5
I. WF	450	2	150	2	AG	344	2.6	.0	10.5
J. WA	150	2	0	2	AG	325	3.6	.0	9.9
K. WD	0	2	-150	2	AG	343	2.8	.0	9.9
L. WE	-150	2	-450	2	AG	343	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	97	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	89	3.6	.0	9.9
O. ED	0	-2	150	-2	AG	244	2.8	.0	9.9
P. EE	150	-2	450	-2	AG	244	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	5	4.9	.0	9.9
R. SL	0	0	-2	150	AG	144	4.9	.0	9.9
S. WL	0	0	150	2	AG	19	3.6	.0	9.9
T. EL	0	0	-150	-2	AG	8	3.6	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
				D	E	F	G	H				
1. NE3	94.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	86.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	86.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	94.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
3. SW3	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND STODDARD WELLS RD EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M) Y1	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2 -150	* AG	26	2.6	.0	10.5
B. NA	2	-150	2 0	* AG	21	4.9	.0	9.9
C. ND	2	0	2 150	* AG	23	3.1	.0	9.9
D. NE	2	150	2 450	* AG	23	2.6	.0	10.5
E. SF	-2	450	-2 150	* AG	172	2.6	.0	10.5
F. SA	-2	150	-2 0	* AG	28	4.9	.0	9.9
G. SD	-2	0	-2 -150	* AG	29	3.1	.0	9.9
H. SE	-2	-150	-2 -450	* AG	29	2.6	.0	10.5
I. WF	450	2 150	2 *	AG	344	2.6	.0	10.5
J. WA	150	2 0	2 *	AG	325	3.6	.0	9.9
K. WD	0	2 -150	2 *	AG	343	2.8	.0	9.9
L. WE	-150	2 -450	2 *	AG	343	2.6	.0	10.5
M. EF	-450	-2 -150	-2 *	AG	97	2.6	.0	10.5
N. EA	-150	-2 0	-2 *	AG	89	3.6	.0	9.9
O. ED	0	-2 150	-2 *	AG	244	2.8	.0	9.9
P. EE	150	-2 450	-2 *	AG	244	2.6	.0	10.5
Q. NL	0	0 2	-150 *	AG	5	4.9	.0	9.9
R. SL	0	0 -2	150 *	AG	144	4.9	.0	9.9
S. WL	0	0 150	2 *	AG	19	3.6	.0	9.9
T. EL	0	0 -150	-2 *	AG	8	3.6	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	94.	.5	.0	.0	.0	.0	.0	.0	.0	.0	
2. SE3	86.	.4	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	86.	.4	.0	.0	.0	.0	.0	.0	.0	.0	
4. NW3	94.	.5	.0	.0	.0	.0	.0	.0	.0	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
3. SW3	.0	.1	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND STODDARD WELLS RD DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M) Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	* AG	26	2.6	.0	10.5
B. NA	2	-150	2	0	* AG	21	3.6	.0	9.9
C. ND	2	0	2	150	* AG	36	2.8	.0	9.9
D. NE	2	150	2	450	* AG	36	2.6	.0	10.5
E. SF	-2	450	-2	150	* AG	840	2.6	.0	10.5
F. SA	-2	150	-2	0	* AG	696	4.3	.0	9.9
G. SD	-2	0	-2	-150	* AG	29	2.8	.0	9.9
H. SE	-2	-150	-2	-450	* AG	29	2.6	.0	10.5
I. WF	450	2	150	2	* AG	344	2.6	.0	10.5
J. WA	150	2	0	2	* AG	325	5.1	.0	9.9
K. WD	0	2	-150	2	* AG	1011	5.8	.0	9.9
L. WE	-150	2	-450	2	* AG	1011	2.6	.0	10.5
M. EF	-450	-2	-150	-2	* AG	110	2.6	.0	10.5
N. EA	-150	-2	0	-2	* AG	89	4.9	.0	9.9
O. ED	0	-2	150	-2	* AG	244	3.1	.0	9.9
P. EE	150	-2	450	-2	* AG	244	2.6	.0	10.5
Q. NL	0	0	2	-150	* AG	5	3.6	.0	9.9
R. SL	0	0	-2	150	* AG	144	3.6	.0	9.9
S. WL	0	0	150	2	* AG	19	4.9	.0	9.9
T. EL	0	0	-150	-2	* AG	21	4.9	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. NE3	266.	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	276.	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	4.	1.1	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0
4. NW3	265.	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.6	.0	.0	.1	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND STODDARD WELLS RD EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	26	2.6	.0	10.5
B. NA	2	-150	2	0	AG	21	3.5	.0	9.9
C. ND	2	0	2	150	AG	41	2.8	.0	9.9
D. NE	2	150	2	450	AG	41	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	1115	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	971	5.1	.0	9.9
G. SD	-2	0	-2	-150	AG	29	2.8	.0	9.9
H. SE	-2	-150	-2	-450	AG	29	2.6	.0	10.5
I. WF	450	2	150	2	AG	344	2.6	.0	10.5
J. WA	150	2	0	2	AG	325	5.3	.0	9.9
K. WD	0	2	-150	2	AG	1286	5.8	.0	9.9
L. WE	-150	2	-450	2	AG	1286	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	115	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	89	5.1	.0	9.9
O. ED	0	-2	150	-2	AG	244	3.1	.0	9.9
P. EE	150	-2	450	-2	AG	244	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	5	3.5	.0	9.9
R. SL	0	0	-2	150	AG	144	3.5	.0	9.9
S. WL	0	0	150	2	AG	19	5.1	.0	9.9
T. EL	0	0	-150	-2	AG	26	5.1	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	266.	1.9	.0	.0	.0	.0	.0	.3	.0	.0	
2. SE3	276.	1.0	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	4.	1.6	.0	.0	.0	.0	1.0	.0	.0	.0	
4. NW3	265.	1.8	.0	.0	.0	.0	.0	.0	.0	.0	

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. NE3	.0	.0	1.4	.1	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.7	.0	.0	.1	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: QUARRY RD AND STODDARD WELLS RD DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	* AG	3	2.6	.0	10.5
B. NA	2	-150	2	0	* AG	2	5.8	.0	9.9
C. ND	2	0	2	150	* AG	314	5.8	.0	9.9
D. NE	2	150	2	450	* AG	314	2.6	.0	10.5
E. SF	-2	450	-2	150	* AG	35	2.6	.0	10.5
F. SA	-2	150	-2	0	* AG	12	5.8	.0	9.9
G. SD	-2	0	-2	-150	* AG	3	5.8	.0	9.9
H. SE	-2	-150	-2	-450	* AG	3	2.6	.0	10.5
I. WF	450	2	150	2	* AG	344	2.6	.0	10.5
J. WA	150	2	0	2	* AG	343	3.6	.0	9.9
K. WD	0	2	-150	2	* AG	65	2.8	.0	9.9
L. WE	-150	2	-450	2	* AG	65	2.6	.0	10.5
M. EF	-450	-2	-150	-2	* AG	98	2.6	.0	10.5
N. EA	-150	-2	0	-2	* AG	75	3.5	.0	9.9
O. ED	0	-2	150	-2	* AG	98	2.8	.0	9.9
P. EE	150	-2	450	-2	* AG	98	2.6	.0	10.5
Q. NL	0	0	2	-150	* AG	1	5.8	.0	9.9
R. SL	0	0	-2	150	* AG	23	5.8	.0	9.9
S. WL	0	0	150	2	* AG	1	3.5	.0	9.9
T. EL	0	0	-150	-2	* AG	23	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	D	E	F	G	H
1. NE3	356.	.5	.0	.0	.4	.0	.0	.0	.0	.0
2. SE3	356.	.6	.0	.0	.4	.0	.0	.0	.0	.0
3. SW3	6.	.3	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	94.	.5	.0	.0	.1	.0	.0	.0	.0	.0

RECEPTOR	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: QUARRY RD AND STODDARD WELLS RD EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	3	2.6	.0	10.5
B. NA	2	-150	2	0	AG	2	5.8	.0	9.9
C. ND	2	0	2	150	AG	314	5.8	.0	9.9
D. NE	2	150	2	450	AG	314	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	35	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	12	5.8	.0	9.9
G. SD	-2	0	-2	-150	AG	3	5.8	.0	9.9
H. SE	-2	-150	-2	-450	AG	3	2.6	.0	10.5
I. WF	450	2	150	2	AG	344	2.6	.0	10.5
J. WA	150	2	0	2	AG	343	3.6	.0	9.9
K. WD	0	2	-150	2	AG	65	2.8	.0	9.9
L. WE	-150	2	-450	2	AG	65	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	98	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	75	3.5	.0	9.9
O. ED	0	-2	150	-2	AG	98	2.8	.0	9.9
P. EE	150	-2	450	-2	AG	98	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	1	5.8	.0	9.9
R. SL	0	0	-2	150	AG	23	5.8	.0	9.9
S. WL	0	0	150	2	AG	1	3.5	.0	9.9
T. EL	0	0	-150	-2	AG	23	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	356.	.5	.0	.0	.4	.0	.0	.0	.0	.0	
2. SE3	356.	.6	.0	.0	.4	.0	.0	.0	.0	.0	
3. SW3	6.	.3	.0	.0	.2	.0	.0	.0	.0	.0	
4. NW3	94.	.5	.0	.0	.1	.0	.0	.0	.0	.0	

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: QUARRY RD AND STODDARD WELLS RD DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	* AG	3	2.6	.0	10.5
B. NA	2	-150	2	0	* AG	2	5.8	.0	9.9
C. ND	2	0	2	150	* AG	584	5.8	.0	9.9
D. NE	2	150	2	450	* AG	584	2.6	.0	10.5
E. SF	-2	450	-2	150	* AG	48	2.6	.0	10.5
F. SA	-2	150	-2	0	* AG	12	5.8	.0	9.9
G. SD	-2	0	-2	-150	* AG	3	5.8	.0	9.9
H. SE	-2	-150	-2	-450	* AG	3	2.6	.0	10.5
I. WF	450	2	150	2	* AG	1012	2.6	.0	10.5
J. WA	150	2	0	2	* AG	1011	5.1	.0	9.9
K. WD	0	2	-150	2	* AG	650	2.9	.0	9.9
L. WE	-150	2	-450	2	* AG	650	2.6	.0	10.5
M. EF	-450	-2	-150	-2	* AG	285	2.6	.0	10.5
N. EA	-150	-2	0	-2	* AG	75	3.5	.0	9.9
O. ED	0	-2	150	-2	* AG	111	2.8	.0	9.9
P. EE	150	-2	450	-2	* AG	111	2.6	.0	10.5
Q. NL	0	0	2	-150	* AG	1	5.8	.0	9.9
R. SL	0	0	-2	150	* AG	36	5.8	.0	9.9
S. WL	0	0	150	2	* AG	1	3.5	.0	9.9
T. EL	0	0	-150	-2	* AG	210	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
			D	E	F	G	H				
1. NE3	94.	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	356.	1.1	.0	.0	.7	.0	.0	.0	.0	.0	.0
3. SW3	84.	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	94.	1.4	.0	.0	.2	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: QUARRY RD AND STODDARD WELLS RD EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M) Y1	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2 -150	* AG	3	2.6	.0	10.5
B. NA	2	-150	2 0	* AG	2	5.8	.0	9.9
C. ND	2	0	2 150	* AG	694	5.8	.0	9.9
D. NE	2	150	2 450	* AG	694	2.6	.0	10.5
E. SF	-2	450	-2 150	* AG	53	2.6	.0	10.5
F. SA	-2	150	-2 0	* AG	12	5.8	.0	9.9
G. SD	-2	0	-2 -150	* AG	3	5.8	.0	9.9
H. SE	-2	-150	-2 -450	* AG	3	2.6	.0	10.5
I. WF	450	2 150	2 * AG	1287	2.6	.0	10.5	
J. WA	150	2 0	2 * AG	1286	5.1	.0	9.9	
K. WD	0	2 -150	2 * AG	891	3.0	.0	9.9	
L. WE	-150	2 -450	2 * AG	891	2.6	.0	10.5	
M. EF	-450	-2 -150	-2 * AG	361	2.6	.0	10.5	
N. EA	-150	-2 0	-2 * AG	75	3.5	.0	9.9	
O. ED	0	-2 150	-2 * AG	116	2.8	.0	9.9	
P. EE	150	-2 450	-2 * AG	116	2.6	.0	10.5	
Q. NL	0	0 2 -150	* AG	1	5.8	.0	9.9	
R. SL	0	0 -2 150	* AG	41	5.8	.0	9.9	
S. WL	0	0 150	2 * AG	1	3.5	.0	9.9	
T. EL	0	0 -150	-2 * AG	286	3.6	.0	9.9	

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	95.	1.5	.0	.0	.0	.0	.0	.0	.0	.0	
2. SE3	356.	1.3	.0	.0	.8	.0	.0	.0	.0	.0	
3. SW3	84.	.8	.0	.0	.0	.0	.0	.0	.0	.0	
4. NW3	94.	1.7	.0	.0	.2	.0	.0	.0	.0	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: QUARRY RD AND I-15 SB RAMPS DEMUNP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	* AG	314	2.6	.0	10.5
B. NA	2	-150	2	0	* AG	313	3.6	.0	9.9
C. ND	2	0	2	150	* AG	15	2.8	.0	9.9
D. NE	2	150	2	450	* AG	15	2.6	.0	10.5
E. SF	-2	450	-2	150	* AG	3	2.6	.0	10.5
F. SA	-2	150	-2	0	* AG	2	3.5	.0	9.9
G. SD	-2	0	-2	-150	* AG	36	2.8	.0	9.9
H. SE	-2	-150	-2	-450	* AG	36	2.6	.0	10.5
I. WF	450	2	150	2	* AG	36	2.6	.0	10.5
J. WA	150	2	0	2	* AG	2	5.8	.0	9.9
K. WD	0	2	-150	2	* AG	3	5.8	.0	9.9
L. WE	-150	2	-450	2	* AG	3	2.6	.0	10.5
M. EF	-450	-2	-150	-2	* AG	3	2.6	.0	10.5
N. EA	-150	-2	0	-2	* AG	2	5.8	.0	9.9
O. ED	0	-2	150	-2	* AG	302	5.8	.0	9.9
P. EE	150	-2	450	-2	* AG	302	2.6	.0	10.5
Q. NL	0	0	2	-150	* AG	1	3.5	.0	9.9
R. SL	0	0	-2	150	* AG	1	3.5	.0	9.9
S. WL	0	0	150	2	* AG	34	5.8	.0	9.9
T. EL	0	0	-150	-2	* AG	1	5.8	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
				D	E	F	G	H				
1. NE3	183.	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	86.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	86.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: QUARRY RD AND I-15 SB RAMPS EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	* AG	314	2.6	.0	10.5
B. NA	2	-150	2	0	* AG	313	3.6	.0	9.9
C. ND	2	0	2	150	* AG	15	2.8	.0	9.9
D. NE	2	150	2	450	* AG	15	2.6	.0	10.5
E. SF	-2	450	-2	150	* AG	3	2.6	.0	10.5
F. SA	-2	150	-2	0	* AG	2	3.5	.0	9.9
G. SD	-2	0	-2	-150	* AG	36	2.8	.0	9.9
H. SE	-2	-150	-2	-450	* AG	36	2.6	.0	10.5
I. WF	450	2	150	2	* AG	36	2.6	.0	10.5
J. WA	150	2	0	2	* AG	2	5.8	.0	9.9
K. WD	0	2	-150	2	* AG	3	5.8	.0	9.9
L. WE	-150	2	-450	2	* AG	3	2.6	.0	10.5
M. EF	-450	-2	-150	-2	* AG	3	2.6	.0	10.5
N. EA	-150	-2	0	-2	* AG	2	5.8	.0	9.9
O. ED	0	-2	150	-2	* AG	302	5.8	.0	9.9
P. EE	150	-2	450	-2	* AG	302	2.6	.0	10.5
Q. NL	0	0	2	-150	* AG	1	3.5	.0	9.9
R. SL	0	0	-2	150	* AG	1	3.5	.0	9.9
S. WL	0	0	150	2	* AG	34	5.8	.0	9.9
T. EL	0	0	-150	-2	* AG	1	5.8	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. NE3	183.	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	86.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	86.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: QUARRY RD AND I-15 SB RAMPS DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	584	2.6	.0	10.5
B. NA	2	-150	2	0	AG	583	3.9	.0	9.9
C. ND	2	0	2	150	AG	132	2.8	.0	9.9
D. NE	2	150	2	450	AG	132	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	201	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	14	3.5	.0	9.9
G. SD	-2	0	-2	-150	AG	48	2.8	.0	9.9
H. SE	-2	-150	-2	-450	AG	48	2.6	.0	10.5
I. WF	450	2	150	2	AG	70	2.6	.0	10.5
J. WA	150	2	0	2	AG	36	5.8	.0	9.9
K. WD	0	2	-150	2	AG	3	5.8	.0	9.9
L. WE	-150	2	-450	2	AG	3	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	3	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	2	5.8	.0	9.9
O. ED	0	-2	150	-2	AG	675	5.8	.0	9.9
P. EE	150	-2	450	-2	AG	675	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	1	3.5	.0	9.9
R. SL	0	0	-2	150	AG	187	3.5	.0	9.9
S. WL	0	0	150	2	AG	34	5.8	.0	9.9
T. EL	0	0	-150	-2	AG	1	5.8	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	184.	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0
2. SE3	85.	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	86.	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
4. NW3	96.	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: QUARRY RD AND I-15 SB RAMPS EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	694	2.6	.0	10.5
B. NA	2	-150	2	0	AG	693	4.2	.0	9.9
C. ND	2	0	2	150	AG	181	2.8	.0	9.9
D. NE	2	150	2	450	AG	181	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	282	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	19	3.5	.0	9.9
G. SD	-2	0	-2	-150	AG	53	2.8	.0	9.9
H. SE	-2	-150	-2	-450	AG	53	2.6	.0	10.5
I. WF	450	2	150	2	AG	85	2.6	.0	10.5
J. WA	150	2	0	2	AG	51	5.8	.0	9.9
K. WD	0	2	-150	2	AG	3	5.8	.0	9.9
L. WE	-150	2	-450	2	AG	3	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	3	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	2	5.8	.0	9.9
O. ED	0	-2	150	-2	AG	827	5.8	.0	9.9
P. EE	150	-2	450	-2	AG	827	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	1	3.5	.0	9.9
R. SL	0	0	-2	150	AG	263	3.6	.0	9.9
S. WL	0	0	150	2	AG	34	5.8	.0	9.9
T. EL	0	0	-150	-2	AG	1	5.8	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. NE3	184.	1.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	85.	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	86.	1.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	96.	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. NE3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: QUARRY RD AND STATION ACCESS #1 DEMUNP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

Table with columns: LINK DESCRIPTION, LINK COORDINATES (M) X1 Y1 X2 Y2, TYPE, VPH, EF (G/MI), H (M), W (M). Rows include links A through T.

III. RECEPTOR LOCATIONS

Table with columns: RECEPTOR, COORDINATES (M) X Y Z. Rows include receptors 1 through 4.

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

Two tables showing model results. The first table shows BRG (DEG), PRED CONC (PPM), and CONC/LINK (PPM) for receptors 1-4 across links A-H. The second table shows CONC/LINK (PPM) for receptors 1-4 across links I-T.

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: QUARRY RD AND STATION ACCESS #1 EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	3	2.6	.0	10.5
B. NA	2	-150	2	0	AG	2	5.3	.0	9.9
C. ND	2	0	2	150	AG	15	3.2	.0	9.9
D. NE	2	150	2	450	AG	15	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	3	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	2	5.3	.0	9.9
G. SD	-2	0	-2	-150	AG	3	3.2	.0	9.9
H. SE	-2	-150	-2	-450	AG	3	2.6	.0	10.5
I. WF	450	2	150	2	AG	15	2.6	.0	10.5
J. WA	150	2	0	2	AG	14	3.5	.0	9.9
K. WD	0	2	-150	2	AG	3	2.8	.0	9.9
L. WE	-150	2	-450	2	AG	3	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	3	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	2	3.5	.0	9.9
O. ED	0	-2	150	-2	AG	3	2.8	.0	9.9
P. EE	150	-2	450	-2	AG	3	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	1	5.3	.0	9.9
R. SL	0	0	-2	150	AG	1	5.3	.0	9.9
S. WL	0	0	150	2	AG	1	3.5	.0	9.9
T. EL	0	0	-150	-2	AG	1	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)								
						D	E	F	G	H				
1. NE3	357.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	357.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	86.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	93.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM)												
	I	J	K	L	M	N	O	P	Q	R	S	T	
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: QUARRY RD AND STATION ACCESS #1 DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	52	2.6	.0	10.5
B. NA	2	-150	2	0	AG	51	5.8	.0	9.9
C. ND	2	0	2	150	AG	15	4.2	.0	9.9
D. NE	2	150	2	450	AG	15	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	3	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	2	5.8	.0	9.9
G. SD	-2	0	-2	-150	AG	52	4.2	.0	9.9
H. SE	-2	-150	-2	-450	AG	52	2.6	.0	10.5
I. WF	450	2	150	2	AG	132	2.6	.0	10.5
J. WA	150	2	0	2	AG	82	3.5	.0	9.9
K. WD	0	2	-150	2	AG	71	2.8	.0	9.9
L. WE	-150	2	-450	2	AG	71	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	151	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	150	3.5	.0	9.9
O. ED	0	-2	150	-2	AG	200	2.8	.0	9.9
P. EE	150	-2	450	-2	AG	200	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	1	5.8	.0	9.9
R. SL	0	0	-2	150	AG	1	5.8	.0	9.9
S. WL	0	0	150	2	AG	50	3.5	.0	9.9
T. EL	0	0	-150	-2	AG	1	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	94.	.2	.0	.0	.0	.0	.0	.0	.0	.0	
2. SE3	86.	.3	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	86.	.3	.0	.0	.0	.0	.0	.0	.0	.0	
4. NW3	94.	.2	.0	.0	.0	.0	.0	.0	.0	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: QUARRY RD AND STATION ACCESS #1 EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	* AG	72	2.6	.0	10.5
B. NA	2	-150	2	0	* AG	71	5.8	.0	9.9
C. ND	2	0	2	150	* AG	15	4.2	.0	9.9
D. NE	2	150	2	450	* AG	15	2.6	.0	10.5
E. SF	-2	450	-2	150	* AG	3	2.6	.0	10.5
F. SA	-2	150	-2	0	* AG	2	5.8	.0	9.9
G. SD	-2	0	-2	-150	* AG	72	4.2	.0	9.9
H. SE	-2	-150	-2	-450	* AG	72	2.6	.0	10.5
I. WF	450	2	150	2	* AG	180	2.6	.0	10.5
J. WA	150	2	0	2	* AG	110	3.5	.0	9.9
K. WD	0	2	-150	2	* AG	99	2.8	.0	9.9
L. WE	-150	2	-450	2	* AG	99	2.6	.0	10.5
M. EF	-450	-2	-150	-2	* AG	213	2.6	.0	10.5
N. EA	-150	-2	0	-2	* AG	212	3.5	.0	9.9
O. ED	0	-2	150	-2	* AG	282	2.8	.0	9.9
P. EE	150	-2	450	-2	* AG	282	2.6	.0	10.5
Q. NL	0	0	2	-150	* AG	1	5.8	.0	9.9
R. SL	0	0	-2	150	* AG	1	5.8	.0	9.9
S. WL	0	0	150	2	* AG	70	3.5	.0	9.9
T. EL	0	0	-150	-2	* AG	1	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)						
			D	E	F	G	H					
1. NE3	94.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	86.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	86.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	94.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND STATION ACCESS # 2 DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	* AG	3	2.6	.0	10.5
B. NA	2	-150	2	0	* AG	2	4.3	.0	9.9
C. ND	2	0	2	150	* AG	3	2.9	.0	9.9
D. NE	2	150	2	450	* AG	3	2.6	.0	10.5
E. SF	-2	450	-2	150	* AG	3	2.6	.0	10.5
F. SA	-2	150	-2	0	* AG	2	4.3	.0	9.9
G. SD	-2	0	-2	-150	* AG	3	2.9	.0	9.9
H. SE	-2	-150	-2	-450	* AG	3	2.6	.0	10.5
I. WF	450	2	150	2	* AG	3	2.6	.0	10.5
J. WA	150	2	0	2	* AG	2	4.3	.0	9.9
K. WD	0	2	-150	2	* AG	3	2.9	.0	9.9
L. WE	-150	2	-450	2	* AG	3	2.6	.0	10.5
M. EF	-450	-2	-150	-2	* AG	3	2.6	.0	10.5
N. EA	-150	-2	0	-2	* AG	2	4.3	.0	9.9
O. ED	0	-2	150	-2	* AG	3	2.9	.0	9.9
P. EE	150	-2	450	-2	* AG	3	2.6	.0	10.5
Q. NL	0	0	2	-150	* AG	1	4.3	.0	9.9
R. SL	0	0	-2	150	* AG	1	4.3	.0	9.9
S. WL	0	0	150	2	* AG	1	4.3	.0	9.9
T. EL	0	0	-150	-2	* AG	1	4.3	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
				D	E	F	G	H				
1. NE3	183.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	273.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	3.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	93.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND STATION ACCESS # 2 EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	* AG	3	2.6	.0	10.5
B. NA	2	-150	2	0	* AG	2	4.3	.0	9.9
C. ND	2	0	2	150	* AG	3	2.9	.0	9.9
D. NE	2	150	2	450	* AG	3	2.6	.0	10.5
E. SF	-2	450	-2	150	* AG	3	2.6	.0	10.5
F. SA	-2	150	-2	0	* AG	2	4.3	.0	9.9
G. SD	-2	0	-2	-150	* AG	3	2.9	.0	9.9
H. SE	-2	-150	-2	-450	* AG	3	2.6	.0	10.5
I. WF	450	2	150	2	* AG	3	2.6	.0	10.5
J. WA	150	2	0	2	* AG	2	4.3	.0	9.9
K. WD	0	2	-150	2	* AG	3	2.9	.0	9.9
L. WE	-150	2	-450	2	* AG	3	2.6	.0	10.5
M. EF	-450	-2	-150	-2	* AG	3	2.6	.0	10.5
N. EA	-150	-2	0	-2	* AG	2	4.3	.0	9.9
O. ED	0	-2	150	-2	* AG	3	2.9	.0	9.9
P. EE	150	-2	450	-2	* AG	3	2.6	.0	10.5
Q. NL	0	0	2	-150	* AG	1	4.3	.0	9.9
R. SL	0	0	-2	150	* AG	1	4.3	.0	9.9
S. WL	0	0	150	2	* AG	1	4.3	.0	9.9
T. EL	0	0	-150	-2	* AG	1	4.3	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	D	E	F	G	H
1. NE3	183.	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	273.	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	3.	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	93.	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND STATION ACCESS # 2 DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	3	2.6	.0	10.5
B. NA	2	-150	2	0	AG	2	5.1	.0	9.9
C. ND	2	0	2	150	AG	587	5.7	.0	9.9
D. NE	2	150	2	450	AG	587	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	202	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	2	5.1	.0	9.9
G. SD	-2	0	-2	-150	AG	3	3.2	.0	9.9
H. SE	-2	-150	-2	-450	AG	3	2.6	.0	10.5
I. WF	450	2	150	2	AG	587	2.6	.0	15.0
J. WA	150	2	0	2	AG	586	3.6	.0	9.9
K. WD	0	2	-150	2	AG	3	2.8	.0	9.9
L. WE	-150	2	-450	2	AG	3	2.6	.0	15.0
M. EF	-450	-2	-150	-2	AG	3	2.6	.0	15.0
N. EA	-150	-2	0	-2	AG	2	3.5	.0	13.5
O. ED	0	-2	150	-2	AG	202	2.8	.0	9.9
P. EE	150	-2	450	-2	AG	202	2.6	.0	15.0
Q. NL	0	0	2	-150	AG	1	5.1	.0	9.9
R. SL	0	0	-2	150	AG	200	5.1	.0	9.9
S. WL	0	0	150	2	AG	1	3.5	.0	9.9
T. EL	0	0	-150	-2	AG	1	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	D	E	F	G	H
1. NE3	355.	1.0	.0	.0	.8	.0	.0	.0	.0	.0
2. SE3	356.	1.1	.0	.0	.7	.0	.0	.0	.0	.0
3. SW3	6.	.6	.0	.0	.4	.0	.0	.0	.0	.0
4. NW3	94.	.8	.0	.0	.2	.0	.0	.0	.0	.0

RECEPTOR	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
2. SE3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
4. NW3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STODDARD WELLS RD AND STATION ACCESS # 2 EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	* AG	3	2.6	.0	10.5
B. NA	2	-150	2	0	* AG	2	5.1	.0	9.9
C. ND	2	0	2	150	* AG	828	5.8	.0	9.9
D. NE	2	150	2	450	* AG	828	2.6	.0	10.5
E. SF	-2	450	-2	150	* AG	284	2.6	.0	10.5
F. SA	-2	150	-2	0	* AG	2	5.1	.0	9.9
G. SD	-2	0	-2	-150	* AG	3	3.2	.0	9.9
H. SE	-2	-150	-2	-450	* AG	3	2.6	.0	10.5
I. WF	450	2	150	2	* AG	828	2.6	.0	15.0
J. WA	150	2	0	2	* AG	827	3.6	.0	9.9
K. WD	0	2	-150	2	* AG	3	2.8	.0	9.9
L. WE	-150	2	-450	2	* AG	3	2.6	.0	15.0
M. EF	-450	-2	-150	-2	* AG	3	2.6	.0	15.0
N. EA	-150	-2	0	-2	* AG	2	3.5	.0	13.5
O. ED	0	-2	150	-2	* AG	284	2.8	.0	9.9
P. EE	150	-2	450	-2	* AG	284	2.6	.0	15.0
Q. NL	0	0	2	-150	* AG	1	5.1	.0	9.9
R. SL	0	0	-2	150	* AG	282	5.6	.0	9.9
S. WL	0	0	150	2	* AG	1	3.5	.0	9.9
T. EL	0	0	-150	-2	* AG	1	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)						
			D	E	F	G	H					
1. NE3	355.	1.4	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
2. SE3	356.	1.5	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
3. SW3	6.	.8	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
4. NW3	94.	1.2	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
2. SE3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
4. NW3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

VICTORVILLE ALTERNATIVE 2- 2030 SCENARIO

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND STODDARD WELLS RD DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	7	-450	7	-150	AG	561	1.0	.0	10.5
B. NA	7	-150	7	0	AG	146	1.7	.0	13.5
C. ND	7	0	7	150	AG	73	1.1	.0	9.9
D. NE	7	150	7	450	AG	73	1.0	.0	10.5
E. SF	-7	450	-7	150	AG	693	1.0	.0	10.5
F. SA	-7	150	-7	0	AG	334	1.7	.0	9.9
G. SD	-7	0	-7	-150	AG	960	2.1	.0	9.9
H. SE	-7	-150	-7	-450	AG	960	1.0	.0	10.5
I. WF	450	9	150	9	AG	698	1.0	.0	15.0
J. WA	150	9	0	9	AG	594	1.5	.0	18.0
K. WD	0	9	-150	9	AG	1062	1.1	.0	9.9
L. WE	-150	9	-450	9	AG	1062	1.0	.0	15.0
M. EF	-450	-9	-150	-9	AG	868	1.0	.0	15.0
N. EA	-150	-9	0	-9	AG	843	1.5	.0	18.0
O. ED	0	-9	150	-9	AG	725	1.1	.0	9.9
P. EE	150	-9	450	-9	AG	725	1.0	.0	15.0
Q. NL	0	0	7	-150	AG	415	1.8	.0	9.9
R. SL	0	0	-7	150	AG	359	1.8	.0	9.9
S. WL	0	0	150	7	AG	104	1.5	.0	9.9
T. EL	0	0	-150	-7	AG	25	1.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	12	17	1.8
2. SE3	12	-17	1.8
3. SW3	-12	-17	1.8
4. NW3	-12	17	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)								
						D	E	F	G	H				
1. NE3	187.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	275.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	175.	.5	.0	.0	.0	.0	.0	.0	.4	.0				
4. NW3	175.	.6	.0	.0	.0	.0	.0	.0	.3	.0				

RECEPTOR	CONC/LINK (PPM)													
	I	J	K	L	M	N	O	P	Q	R	S	T		
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND STODDARD WELLS RD EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	7	-450	7	-150	* AG	561	1.0	.0	10.5
B. NA	7	-150	7	0	* AG	146	1.7	.0	13.5
C. ND	7	0	7	150	* AG	73	1.1	.0	9.9
D. NE	7	150	7	450	* AG	73	1.0	.0	10.5
E. SF	-7	450	-7	150	* AG	693	1.0	.0	10.5
F. SA	-7	150	-7	0	* AG	334	1.7	.0	9.9
G. SD	-7	0	-7	-150	* AG	960	2.1	.0	9.9
H. SE	-7	-150	-7	-450	* AG	960	1.0	.0	10.5
I. WF	450	9	150	9	* AG	698	1.0	.0	15.0
J. WA	150	9	0	9	* AG	594	1.5	.0	18.0
K. WD	0	9	-150	9	* AG	1062	1.1	.0	9.9
L. WE	-150	9	-450	9	* AG	1062	1.0	.0	15.0
M. EF	-450	-9	-150	-9	* AG	868	1.0	.0	15.0
N. EA	-150	-9	0	-9	* AG	843	1.5	.0	18.0
O. ED	0	-9	150	-9	* AG	725	1.1	.0	9.9
P. EE	150	-9	450	-9	* AG	725	1.0	.0	15.0
Q. NL	0	0	7	-150	* AG	415	1.8	.0	9.9
R. SL	0	0	-7	150	* AG	359	1.8	.0	9.9
S. WL	0	0	150	7	* AG	104	1.5	.0	9.9
T. EL	0	0	-150	-7	* AG	25	1.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	12	17	1.8
2. SE3	12	-17	1.8
3. SW3	-12	-17	1.8
4. NW3	-12	17	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. NE3	187.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	275.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	175.	.5	.0	.0	.0	.0	.0	.0	.4	.0		
4. NW3	175.	.6	.0	.0	.0	.0	.0	.0	.3	.0		
RECEPTOR	* I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND STODDARD WELLS RD DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	7	-450	7	-150	AG	561	1.0	.0	10.5
B. NA	7	-150	7	0	AG	146	1.6	.0	13.5
C. ND	7	0	7	150	AG	86	1.1	.0	9.9
D. NE	7	150	7	450	AG	86	1.0	.0	10.5
E. SF	-7	450	-7	150	AG	1361	1.0	.0	10.5
F. SA	-7	150	-7	0	AG	1002	1.7	.0	9.9
G. SD	-7	0	-7	-150	AG	960	1.7	.0	9.9
H. SE	-7	-150	-7	-450	AG	960	1.0	.0	10.5
I. WF	450	9	150	9	AG	698	1.0	.0	15.0
J. WA	150	9	0	9	AG	594	1.7	.0	18.0
K. WD	0	9	-150	9	AG	1730	2.0	.0	9.9
L. WE	-150	9	-450	9	AG	1730	1.0	.0	15.0
M. EF	-450	-9	-150	-9	AG	881	1.0	.0	15.0
N. EA	-150	-9	0	-9	AG	843	1.7	.0	18.0
O. ED	0	-9	150	-9	AG	725	1.2	.0	9.9
P. EE	150	-9	450	-9	AG	725	1.0	.0	15.0
Q. NL	0	0	7	-150	AG	415	1.6	.0	9.9
R. SL	0	0	-7	150	AG	359	1.6	.0	9.9
S. WL	0	0	150	7	AG	104	1.7	.0	9.9
T. EL	0	0	-150	-7	AG	38	1.7	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	12	17	1.8
2. SE3	12	-17	1.8
3. SW3	-12	-17	1.8
4. NW3	-12	17	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	D	E	F	G	H
1. NE3	264.	.7	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	276.	.4	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	4.	.7	.0	.0	.0	.0	.0	.3	.0	.0
4. NW3	175.	.7	.0	.0	.0	.0	.0	.1	.3	.0

RECEPTOR	* I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND STODDARD WELLS RD EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	7	-450	7	-150	* AG	561	1.0	.0	10.5
B. NA	7	-150	7	0	* AG	146	1.5	.0	13.5
C. ND	7	0	7	150	* AG	91	1.1	.0	9.9
D. NE	7	150	7	450	* AG	91	1.0	.0	10.5
E. SF	-7	450	-7	150	* AG	1636	1.0	.0	10.5
F. SA	-7	150	-7	0	* AG	1277	1.7	.0	9.9
G. SD	-7	0	-7	-150	* AG	960	1.6	.0	9.9
H. SE	-7	-150	-7	-450	* AG	960	1.0	.0	10.5
I. WF	450	9	150	9	* AG	698	1.0	.0	15.0
J. WA	150	9	0	9	* AG	594	1.7	.0	18.0
K. WD	0	9	-150	9	* AG	2005	2.1	.0	9.9
L. WE	-150	9	-450	9	* AG	2005	1.0	.0	15.0
M. EF	-450	-9	-150	-9	* AG	886	1.0	.0	15.0
N. EA	-150	-9	0	-9	* AG	843	1.7	.0	18.0
O. ED	0	-9	150	-9	* AG	725	1.2	.0	9.9
P. EE	150	-9	450	-9	* AG	725	1.0	.0	15.0
Q. NL	0	0	7	-150	* AG	415	1.6	.0	9.9
R. SL	0	0	-7	150	* AG	359	1.6	.0	9.9
S. WL	0	0	150	7	* AG	104	1.7	.0	9.9
T. EL	0	0	-150	-7	* AG	43	1.7	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	12	17	1.8
2. SE3	12	-17	1.8
3. SW3	-12	-17	1.8
4. NW3	-12	17	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. NE3	263.	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	276.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	4.	.7	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
4. NW3	174.	.8	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0
RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 SB RAMPS AND QUARRY RD DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	* AG	904	1.0	.0	10.5
B. NA	5	-150	5	0	* AG	903	1.4	.0	9.9
C. ND	5	0	5	150	* AG	27	1.1	.0	9.9
D. NE	5	150	5	450	* AG	27	1.0	.0	10.5
E. SF	-5	450	-5	150	* AG	3	1.0	.0	10.5
F. SA	-5	150	-5	0	* AG	2	1.3	.0	9.9
G. SD	-5	0	-5	-150	* AG	180	1.1	.0	9.9
H. SE	-5	-150	-5	-450	* AG	180	1.0	.0	10.5
I. WF	450	2	150	2	* AG	180	1.0	.0	10.5
J. WA	150	2	0	2	* AG	2	2.1	.0	9.9
K. WD	0	2	-150	2	* AG	3	1.5	.0	9.9
L. WE	-150	2	-450	2	* AG	3	1.0	.0	10.5
M. EF	-450	-2	-150	-2	* AG	3	1.0	.0	10.5
N. EA	-150	-2	0	-2	* AG	2	2.1	.0	9.9
O. ED	0	-2	150	-2	* AG	880	2.2	.0	9.9
P. EE	150	-2	450	-2	* AG	880	1.0	.0	10.5
Q. NL	0	0	5	-150	* AG	1	1.3	.0	9.9
R. SL	0	0	-5	150	* AG	1	1.3	.0	9.9
S. WL	0	0	150	2	* AG	178	2.1	.0	9.9
T. EL	0	0	-150	-2	* AG	1	2.1	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	8	1.8
2. SE3	10	-8	1.8
3. SW3	-10	-8	1.8
4. NW3	-10	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. NE3	184.	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	85.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	86.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
RECEPTOR	* I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 SB RAMPS AND QUARRY RD EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M) Y1	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	* 5	-450	5 -150	* AG	904	1.0	.0	10.5
B. NA	* 5	-150	5 0	* AG	903	1.4	.0	9.9
C. ND	* 5	0	5 150	* AG	27	1.1	.0	9.9
D. NE	* 5	150	5 450	* AG	27	1.0	.0	10.5
E. SF	* -5	450	-5 150	* AG	3	1.0	.0	10.5
F. SA	* -5	150	-5 0	* AG	2	1.3	.0	9.9
G. SD	* -5	0	-5 -150	* AG	180	1.1	.0	9.9
H. SE	* -5	-150	-5 -450	* AG	180	1.0	.0	10.5
I. WF	* 450	2	150 2	* AG	180	1.0	.0	10.5
J. WA	* 150	2	0 2	* AG	2	2.1	.0	9.9
K. WD	* 0	2	-150 2	* AG	3	1.5	.0	9.9
L. WE	* -150	2	-450 2	* AG	3	1.0	.0	10.5
M. EF	* -450	-2	-150 -2	* AG	3	1.0	.0	10.5
N. EA	* -150	-2	0 -2	* AG	2	2.1	.0	9.9
O. ED	* 0	-2	150 -2	* AG	880	2.2	.0	9.9
P. EE	* 150	-2	450 -2	* AG	880	1.0	.0	10.5
Q. NL	* 0	0	5 -150	* AG	1	1.3	.0	9.9
R. SL	* 0	0	-5 150	* AG	1	1.3	.0	9.9
S. WL	* 0	0	150 2	* AG	178	2.1	.0	9.9
T. EL	* 0	0	-150 -2	* AG	1	2.1	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. NE3	* 10	8	1.8
2. SE3	* 10	-8	1.8
3. SW3	* -10	-8	1.8
4. NW3	* -10	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	CONC/LINK (PPM)										
			* A	B	C	D	E	F	G	H			
1. NE3	* 184.	* .4	* .0	.2	.0	.0	.0	.0	.0	.0	.0	.0	
2. SE3	* 85.	* .5	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	* 86.	* .5	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4. NW3	* 96.	* .3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

RECEPTOR	CONC/LINK (PPM)											
	* I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	* .0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
2. SE3	* .0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0
3. SW3	* .0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0
4. NW3	* .0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 SB RAMPS AND QUARRY RD DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	AG	1174	1.0	.0	10.5
B. NA	5	-150	5	0	AG	1173	1.5	.0	9.9
C. ND	5	0	5	150	AG	144	1.1	.0	9.9
D. NE	5	150	5	450	AG	144	1.0	.0	10.5
E. SF	-5	450	-5	150	AG	201	1.0	.0	10.5
F. SA	-5	150	-5	0	AG	14	1.3	.0	9.9
G. SD	-5	0	-5	-150	AG	192	1.1	.0	9.9
H. SE	-5	-150	-5	-450	AG	192	1.0	.0	10.5
I. WF	450	2	150	2	AG	214	1.0	.0	10.5
J. WA	150	2	0	2	AG	36	2.2	.0	9.9
K. WD	0	2	-150	2	AG	3	1.8	.0	9.9
L. WE	-150	2	-450	2	AG	3	1.0	.0	10.5
M. EF	-450	-2	-150	-2	AG	3	1.0	.0	10.5
N. EA	-150	-2	0	-2	AG	2	2.2	.0	9.9
O. ED	0	-2	150	-2	AG	1253	2.2	.0	9.9
P. EE	150	-2	450	-2	AG	1253	1.0	.0	10.5
Q. NL	0	0	5	-150	AG	1	1.3	.0	9.9
R. SL	0	0	-5	150	AG	187	1.3	.0	9.9
S. WL	0	0	150	2	AG	178	2.2	.0	9.9
T. EL	0	0	-150	-2	AG	1	2.2	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	8	1.8
2. SE3	10	-8	1.8
3. SW3	-10	-8	1.8
4. NW3	-10	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	184.	.6	.0	.3	.0	.0	.0	.0	.0	.0	
2. SE3	85.	.7	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	86.	.7	.0	.0	.0	.0	.0	.0	.0	.0	
4. NW3	96.	.4	.0	.0	.0	.0	.0	.0	.0	.0	

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 SB RAMPS AND QUARRY RD EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	* AG	1284	1.0	.0	10.5
B. NA	5	-150	5	0	* AG	1283	1.5	.0	9.9
C. ND	5	0	5	150	* AG	193	1.1	.0	9.9
D. NE	5	150	5	450	* AG	193	1.0	.0	10.5
E. SF	-5	450	-5	150	* AG	282	1.0	.0	10.5
F. SA	-5	150	-5	0	* AG	19	1.3	.0	9.9
G. SD	-5	0	-5	-150	* AG	197	1.1	.0	9.9
H. SE	-5	-150	-5	-450	* AG	197	1.0	.0	10.5
I. WF	450	2	150	2	* AG	229	1.0	.0	10.5
J. WA	150	2	0	2	* AG	51	2.2	.0	9.9
K. WD	0	2	-150	2	* AG	3	1.9	.0	9.9
L. WE	-150	2	-450	2	* AG	3	1.0	.0	10.5
M. EF	-450	-2	-150	-2	* AG	3	1.0	.0	10.5
N. EA	-150	-2	0	-2	* AG	2	2.2	.0	9.9
O. ED	0	-2	150	-2	* AG	1405	2.2	.0	9.9
P. EE	150	-2	450	-2	* AG	1405	1.0	.0	10.5
Q. NL	0	0	5	-150	* AG	1	1.3	.0	9.9
R. SL	0	0	-5	150	* AG	263	1.4	.0	9.9
S. WL	0	0	150	2	* AG	178	2.2	.0	9.9
T. EL	0	0	-150	-2	* AG	1	2.2	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	8	1.8
2. SE3	10	-8	1.8
3. SW3	-10	-8	1.8
4. NW3	-10	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. NE3	184.	.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	85.	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	86.	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0

VICTORVILLE ALTERNATIVE 3- 2013 SCENARIO

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND DALE EVANS PRKWY DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	135	2.6	.0	10.5
B. NA	2	-150	2	0	AG	96	5.3	.0	9.9
C. ND	2	0	2	150	AG	118	3.2	.0	9.9
D. NE	2	150	2	450	AG	118	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	3	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	2	5.3	.0	9.9
G. SD	-2	0	-2	-150	AG	3	3.2	.0	9.9
H. SE	-2	-150	-2	-450	AG	3	2.6	.0	10.5
I. WF	450	2	150	2	AG	175	2.6	.0	10.5
J. WA	150	2	0	2	AG	174	3.5	.0	9.9
K. WD	0	2	-150	2	AG	141	2.8	.0	9.9
L. WE	-150	2	-450	2	AG	141	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	267	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	223	3.5	.0	9.9
O. ED	0	-2	150	-2	AG	318	2.8	.0	9.9
P. EE	150	-2	450	-2	AG	318	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	39	5.3	.0	9.9
R. SL	0	0	-2	150	AG	1	5.3	.0	9.9
S. WL	0	0	150	2	AG	1	3.5	.0	9.9
T. EL	0	0	-150	-2	AG	44	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	266.	.3	.0	.0	.0	.0	.0	.0	.0	.0	
2. SE3	274.	.4	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	86.	.4	.0	.0	.0	.0	.0	.0	.0	.0	
4. NW3	94.	.3	.0	.0	.0	.0	.0	.0	.0	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND DALE EVANS PRKWY EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M) Y1	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2 -150	* AG	135	2.6	.0	10.5
B. NA	2	-150	2 0	* AG	96	5.3	.0	9.9
C. ND	2	0	2 150	* AG	118	3.2	.0	9.9
D. NE	2	150	2 450	* AG	118	2.6	.0	10.5
E. SF	-2	450	-2 150	* AG	3	2.6	.0	10.5
F. SA	-2	150	-2 0	* AG	2	5.3	.0	9.9
G. SD	-2	0	-2 -150	* AG	3	3.2	.0	9.9
H. SE	-2	-150	-2 -450	* AG	3	2.6	.0	10.5
I. WF	450	2 150	2 *	AG	175	2.6	.0	10.5
J. WA	150	2 0	2 *	AG	174	3.5	.0	9.9
K. WD	0	2 -150	2 *	AG	141	2.8	.0	9.9
L. WE	-150	2 -450	2 *	AG	141	2.6	.0	10.5
M. EF	-450	-2 -150	-2 *	AG	267	2.6	.0	10.5
N. EA	-150	-2 0	-2 *	AG	223	3.5	.0	9.9
O. ED	0	-2 150	-2 *	AG	318	2.8	.0	9.9
P. EE	150	-2 450	-2 *	AG	318	2.6	.0	10.5
Q. NL	0	0 2	-150 *	AG	39	5.3	.0	9.9
R. SL	0	0 -2	150 *	AG	1	5.3	.0	9.9
S. WL	0	0 150	2 *	AG	1	3.5	.0	9.9
T. EL	0	0 -150	-2 *	AG	44	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	266.	.3	.0	.0	.0	.0	.0	.0	.0	.0	
2. SE3	274.	.4	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	86.	.4	.0	.0	.0	.0	.0	.0	.0	.0	
4. NW3	94.	.3	.0	.0	.0	.0	.0	.0	.0	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND DALE EVANS PRKWAY DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M)	* Y1	X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	* 2	-450	* 2	-150	* AG	698	2.6	.0	10.5	
B. NA	* 2	-150	* 2	0	* AG	96	4.2	.0	9.9	
C. ND	* 2	0	* 2	150	* AG	144	2.9	.0	9.9	
D. NE	* 2	150	* 2	450	* AG	144	2.6	.0	10.5	
E. SF	* -2	450	* -2	150	* AG	3	2.6	.0	10.5	
F. SA	* -2	150	* -2	0	* AG	2	4.2	.0	9.9	
G. SD	* -2	0	* -2	-150	* AG	3	2.9	.0	9.9	
H. SE	* -2	-150	* -2	-450	* AG	3	2.6	.0	10.5	
I. WF	* 450	2	* 150	2	* AG	281	2.6	.0	10.5	
J. WA	* 150	2	* 2	0	* AG	280	4.5	.0	9.9	
K. WD	* 0	2	* -150	2	* AG	810	4.2	.0	9.9	
L. WE	* -150	2	* -450	2	* AG	810	2.6	.0	10.5	
M. EF	* -450	-2	* -150	-2	* AG	372	2.6	.0	10.5	
N. EA	* -150	-2	* 0	-2	* AG	302	4.5	.0	9.9	
O. ED	* 0	-2	* 150	-2	* AG	397	3.0	.0	9.9	
P. EE	* 150	-2	* 450	-2	* AG	397	2.6	.0	10.5	
Q. NL	* 0	0	* 2	-150	* AG	602	4.9	.0	9.9	
R. SL	* 0	0	* -2	150	* AG	1	4.2	.0	9.9	
S. WL	* 0	0	* 150	2	* AG	1	4.3	.0	9.9	
T. EL	* 0	0	* -150	-2	* AG	70	4.3	.0	9.9	

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M)	* Y	Z
1. NE3	* 8	8	* 1.8	
2. SE3	* 8	-8	* 1.8	
3. SW3	* -8	-8	* 1.8	
4. NW3	* -8	8	* 1.8	

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	* 266.	* 1.1	* .0	.0	.0	.0	.0	.0	.0	.0	
2. SE3	* 275.	* 1.0	* .0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	* 275.	* .8	* .0	.0	.0	.0	.0	.0	.0	.0	
4. NW3	* 265.	* 1.1	* .0	.0	.0	.0	.0	.0	.0	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	* .0	.0	.7	.0	.0	.1	.0	.0	.0	.0	.0	.0
2. SE3	* .0	.0	.3	.0	.0	.3	.0	.0	.2	.0	.0	.0
3. SW3	* .0	.0	.3	.0	.0	.3	.0	.0	.0	.0	.0	.0
4. NW3	* .0	.0	.8	.0	.0	.1	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND DALE EVANS PRKWY EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M)	* Y1	X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	* AG	929	2.6	.0	10.5	
B. NA	2	-150	2	0	* AG	96	4.0	.0	9.9	
C. ND	2	0	2	150	* AG	155	2.9	.0	9.9	
D. NE	2	150	2	450	* AG	155	2.6	.0	10.5	
E. SF	-2	450	-2	150	* AG	3	2.6	.0	10.5	
F. SA	-2	150	-2	0	* AG	2	4.0	.0	9.9	
G. SD	-2	0	-2	-150	* AG	3	2.9	.0	9.9	
H. SE	-2	-150	-2	-450	* AG	3	2.6	.0	10.5	
I. WF	450	2	150	2	* AG	324	2.6	.0	10.5	
J. WA	150	2	0	2	* AG	323	4.7	.0	9.9	
K. WD	0	2	-150	2	* AG	1084	5.7	.0	9.9	
L. WE	-150	2	-450	2	* AG	1084	2.6	.0	10.5	
M. EF	-450	-2	-150	-2	* AG	415	2.6	.0	10.5	
N. EA	-150	-2	0	-2	* AG	334	4.7	.0	9.9	
O. ED	0	-2	150	-2	* AG	429	3.1	.0	9.9	
P. EE	150	-2	450	-2	* AG	429	2.6	.0	10.5	
Q. NL	0	0	2	-150	* AG	833	5.3	.0	9.9	
R. SL	0	0	-2	150	* AG	1	4.0	.0	9.9	
S. WL	0	0	150	2	* AG	1	4.5	.0	9.9	
T. EL	0	0	-150	-2	* AG	81	4.5	.0	9.9	

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M)	* Y	Z
1. NE3	8	8	1.8	
2. SE3	8	-8	1.8	
3. SW3	-8	-8	1.8	
4. NW3	-8	8	1.8	

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)	D	E	F	G	H
1. NE3	266.	* 1.6 *	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	276.	* 1.5 *	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	276.	* 1.1 *	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	265.	* 1.7 *	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	1.2	.0	.0	.2	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.6	.0	.0	.3	.0	.0	.3	.0	.0	.0
3. SW3	.0	.0	.6	.0	.0	.4	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	1.3	.0	.0	.2	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 SB RAMPS AND DALE EVANS PRKWAY DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	* AG	3	2.6	.0	10.5
B. NA	2	-150	2	0	* AG	2	4.5	.0	9.9
C. ND	2	0	2	150	* AG	3	3.0	.0	9.9
D. NE	2	150	2	450	* AG	3	2.6	.0	10.5
E. SF	-2	450	-2	150	* AG	255	2.6	.0	10.5
F. SA	-2	150	-2	0	* AG	79	4.5	.0	9.9
G. SD	-2	0	-2	-150	* AG	198	3.0	.0	9.9
H. SE	-2	-150	-2	-450	* AG	198	2.6	.0	10.5
I. WF	450	5	150	5	* AG	140	2.6	.0	10.5
J. WA	150	5	0	5	* AG	53	4.0	.0	9.9
K. WD	0	0	-150	0	* AG	131	2.8	.0	9.9
L. WE	-150	0	-450	0	* AG	131	2.6	.0	10.5
M. EF	-450	-2	-150	-2	* AG	200	2.6	.0	15.0
N. EA	-150	-2	0	-2	* AG	199	4.0	.0	9.9
O. ED	0	-5	150	-5	* AG	266	2.9	.0	9.9
P. EE	150	-5	450	-5	* AG	266	2.6	.0	10.5
Q. NL	0	0	2	-150	* AG	1	4.5	.0	9.9
R. SL	0	0	-2	150	* AG	176	4.5	.0	9.9
S. WL	0	0	150	5	* AG	87	4.0	.0	9.9
T. EL	0	0	-150	0	* AG	1	4.0	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	10	1.8
2. SE3	8	-10	1.8
3. SW3	-8	-10	1.8
4. NW3	-8	5	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. NE3	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	4.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	93.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: I-15 SB RAMPS AND DALE EVANS PRKWY EMUNP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

Table with 11 columns: LINK DESCRIPTION, LINK COORDINATES (M) [X1, Y1, X2, Y2], * TYPE, VPH, EF (G/MI), H (M), W (M). Rows A through T.

III. RECEPTOR LOCATIONS

Table with 4 columns: RECEPTOR, COORDINATES (M) [X, Y, Z]. Rows 1 through 4.

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

Table with 12 columns: RECEPTOR, BRG (DEG), PRED CONC (PPM), A, B, C, D, E, F, G, H. Rows 1 through 4.

Table with 14 columns: RECEPTOR, CONC/LINK (PPM) [I, J, K, L, M, N, O, P, Q, R, S, T]. Rows 1 through 4.

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 SB RAMPS AND DALE EVANS PRKWAY DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	3	2.6	.0	10.5
B. NA	2	-150	2	0	AG	2	5.8	.0	9.9
C. ND	2	0	2	150	AG	3	4.2	.0	9.9
D. NE	2	150	2	450	AG	3	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	290	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	114	5.8	.0	9.9
G. SD	-2	0	-2	-150	AG	617	5.8	.0	9.9
H. SE	-2	-150	-2	-450	AG	617	2.6	.0	10.5
I. WF	450	5	150	5	AG	808	2.6	.0	10.5
J. WA	150	5	0	5	AG	721	4.2	.0	9.9
K. WD	0	0	-150	0	AG	834	2.9	.0	9.9
L. WE	-150	0	-450	0	AG	834	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	724	2.6	.0	15.0
N. EA	-150	-2	0	-2	AG	723	3.6	.0	9.9
O. ED	0	-5	150	-5	AG	371	2.8	.0	9.9
P. EE	150	-5	450	-5	AG	371	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	1	5.8	.0	9.9
R. SL	0	0	-2	150	AG	176	5.8	.0	9.9
S. WL	0	0	150	5	AG	87	3.5	.0	9.9
T. EL	0	0	-150	0	AG	1	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	10	1.8
2. SE3	8	-10	1.8
3. SW3	-8	-10	1.8
4. NW3	-8	5	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	264.	.8	.0	.0	.0	.0	.0	.0	.0	.0	
2. SE3	275.	1.0	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	85.	.8	.0	.0	.0	.0	.0	.0	.3	.0	
4. NW3	91.	1.1	.0	.0	.0	.0	.0	.0	.0	.0	

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.3	.0	.0	.2	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.2	.0	.0	.4	.0	.0	.0	.0	.0	.0
3. SW3	.1	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 SB RAMPS AND DALE EVANS PRKWAY WP EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M)	* Y1	X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	* 2	-450	* 2	-150	* AG	3	2.6	.0	10.5	
B. NA	* 2	-150	* 2	0	* AG	2	5.8	.0	9.9	
C. ND	* 2	0	* 2	150	* AG	3	5.1	.0	9.9	
D. NE	* 2	150	* 2	450	* AG	3	2.6	.0	10.5	
E. SF	* -2	450	* -2	150	* AG	305	2.6	.0	10.5	
F. SA	* -2	150	* -2	0	* AG	129	5.8	.0	9.9	
G. SD	* -2	0	* -2	-150	* AG	789	5.8	.0	9.9	
H. SE	* -2	-150	* -2	-450	* AG	789	2.6	.0	10.5	
I. WF	* 450	5	* 150	5	* AG	1083	2.6	.0	10.5	
J. WA	* 150	5	* 0	5	* AG	996	5.1	.0	9.9	
K. WD	* 0	0	* -150	0	* AG	1124	3.1	.0	9.9	
L. WE	* -150	0	* -450	0	* AG	1124	2.6	.0	10.5	
M. EF	* -450	-2	* -150	-2	* AG	939	2.6	.0	15.0	
N. EA	* -150	-2	* 0	-2	* AG	938	3.7	.0	9.9	
O. ED	* 0	-5	* 150	-5	* AG	414	2.8	.0	9.9	
P. EE	* 150	-5	* 450	-5	* AG	414	2.6	.0	10.5	
Q. NL	* 0	0	* 2	-150	* AG	1	5.8	.0	9.9	
R. SL	* 0	0	* -2	150	* AG	176	5.8	.0	9.9	
S. WL	* 0	0	* 150	5	* AG	87	3.5	.0	9.9	
T. EL	* 0	0	* -150	0	* AG	1	3.5	.0	9.9	

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M)	* Y	Z
1. NE3	* 8	10	* 1.8	
2. SE3	* 8	-10	* 1.8	
3. SW3	* -8	-10	* 1.8	
4. NW3	* -8	5	* 1.8	

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
			D	E	F	G	H					
1. NE3	* 95.	* 1.4	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	* 275.	* 1.2	* .0	.0	.0	.0	.0	.0	.0	.0	.2	.0
3. SW3	* 83.	* 1.0	* .0	.0	.0	.0	.0	.0	.0	.3	.0	.0
4. NW3	* 91.	* 1.6	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	* .0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	* .0	.0	.3	.1	.0	.5	.0	.0	.0	.0	.0	.0
3. SW3	* .0	.3	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	* .2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STATION ACCESS #1 AND DALE EVANS PRKWAY DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	3	2.6	.0	10.5
B. NA	2	-150	2	0	AG	2	5.8	.0	9.9
C. ND	2	0	2	150	AG	3	5.8	.0	9.9
D. NE	2	150	2	450	AG	3	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	3	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	2	5.8	.0	9.9
G. SD	-2	0	-2	-150	AG	3	5.8	.0	9.9
H. SE	-2	-150	-2	-450	AG	3	2.6	.0	10.5
I. WF	450	2	150	2	AG	128	2.6	.0	10.5
J. WA	150	2	0	2	AG	127	3.5	.0	9.9
K. WD	0	2	-150	2	AG	128	2.8	.0	9.9
L. WE	-150	2	-450	2	AG	128	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	197	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	196	3.5	.0	9.9
O. ED	0	-2	150	-2	AG	197	2.8	.0	9.9
P. EE	150	-2	450	-2	AG	197	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	1	5.8	.0	9.9
R. SL	0	0	-2	150	AG	1	5.8	.0	9.9
S. WL	0	0	150	2	AG	1	3.5	.0	9.9
T. EL	0	0	-150	-2	AG	1	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. NE3	266.	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	274.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	274.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	94.	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
4. NW3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STATION ACCESS #1 AND DALE EVANS PRKWAY EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	3	2.6	.0	10.5
B. NA	2	-150	2	0	AG	2	5.8	.0	9.9
C. ND	2	0	2	150	AG	3	5.8	.0	9.9
D. NE	2	150	2	450	AG	3	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	3	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	2	5.8	.0	9.9
G. SD	-2	0	-2	-150	AG	3	5.8	.0	9.9
H. SE	-2	-150	-2	-450	AG	3	2.6	.0	10.5
I. WF	450	2	150	2	AG	128	2.6	.0	10.5
J. WA	150	2	0	2	AG	127	3.5	.0	9.9
K. WD	0	2	-150	2	AG	128	2.8	.0	9.9
L. WE	-150	2	-450	2	AG	128	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	197	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	196	3.5	.0	9.9
O. ED	0	-2	150	-2	AG	197	2.8	.0	9.9
P. EE	150	-2	450	-2	AG	197	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	1	5.8	.0	9.9
R. SL	0	0	-2	150	AG	1	5.8	.0	9.9
S. WL	0	0	150	2	AG	1	3.5	.0	9.9
T. EL	0	0	-150	-2	AG	1	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	266.	.2	.0	.0	.0	.0	.0	.0	.0	.0	
2. SE3	274.	.3	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	274.	.3	.0	.0	.0	.0	.0	.0	.0	.0	
4. NW3	94.	.2	.0	.0	.0	.0	.0	.0	.0	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
4. NW3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STATION ACCESS #1 AND DALE EVANS PRKWAY DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M) Y1	* X2	LINK COORDINATES (M) Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	2	-450	2	-150	AG	285	2.6	.0	10.5
B. NA	2	-150	2	0	AG	284	5.8	.0	9.9
C. ND	2	0	2	150	AG	3	3.5	.0	9.9
D. NE	2	150	2	450	AG	3	2.6	.0	10.5
E. SF	-2	450	-2	150	AG	3	2.6	.0	10.5
F. SA	-2	150	-2	0	AG	2	5.6	.0	9.9
G. SD	-2	0	-2	-150	AG	357	5.8	.0	9.9
H. SE	-2	-150	-2	-450	AG	357	2.6	.0	10.5
I. WF	450	2	150	2	AG	830	2.6	.0	10.5
J. WA	150	2	0	2	AG	475	3.5	.0	9.9
K. WD	0	2	-150	2	AG	476	2.8	.0	9.9
L. WE	-150	2	-450	2	AG	476	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	437	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	436	3.6	.0	9.9
O. ED	0	-2	150	-2	AG	719	2.9	.0	9.9
P. EE	150	-2	450	-2	AG	719	2.6	.0	10.5
Q. NL	0	0	2	-150	AG	1	5.6	.0	9.9
R. SL	0	0	-2	150	AG	1	5.6	.0	9.9
S. WL	0	0	150	2	AG	355	3.6	.0	9.9
T. EL	0	0	-150	-2	AG	1	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. NE3	8	8	1.8
2. SE3	8	-8	1.8
3. SW3	-8	-8	1.8
4. NW3	-8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	185.	1.0	.0	.4	.0	.0	.0	.0	.2	.0	
2. SE3	85.	1.0	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	85.	1.2	.0	.0	.0	.0	.0	.0	.1	.0	
4. NW3	176.	.9	.0	.2	.0	.0	.0	.0	.4	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
2. SE3	.0	.2	.0	.0	.0	.0	.5	.0	.0	.0	.2	.0
3. SW3	.0	.2	.0	.0	.0	.0	.4	.0	.0	.0	.2	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: STATION ACCESS #1 AND DALE EVANS PRKWAY EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M) Y1	* X2	LINK COORDINATES (M) Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	* 2	-450	2	-150	* AG	402	2.6	.0	10.5
B. NA	* 2	-150	2	0	* AG	401	5.8	.0	9.9
C. ND	* 2	0	2	150	* AG	3	3.4	.0	9.9
D. NE	* 2	150	2	450	* AG	3	2.6	.0	10.5
E. SF	* -2	450	-2	150	* AG	3	2.6	.0	10.5
F. SA	* -2	150	-2	0	* AG	2	5.6	.0	9.9
G. SD	* -2	0	-2	-150	* AG	503	5.8	.0	9.9
H. SE	* -2	-150	-2	-450	* AG	503	2.6	.0	10.5
I. WF	* 450	2	150	2	* AG	1120	2.6	.0	10.5
J. WA	* 150	2	0	2	* AG	619	3.6	.0	9.9
K. WD	* 0	2	-150	2	* AG	620	2.8	.0	9.9
L. WE	* -150	2	-450	2	* AG	620	2.6	.0	10.5
M. EF	* -450	-2	-150	-2	* AG	536	2.6	.0	10.5
N. EA	* -150	-2	0	-2	* AG	535	3.7	.0	9.9
O. ED	* 0	-2	150	-2	* AG	935	3.0	.0	9.9
P. EE	* 150	-2	450	-2	* AG	935	2.6	.0	10.5
Q. NL	* 0	0	2	-150	* AG	1	5.6	.0	9.9
R. SL	* 0	0	-2	150	* AG	1	5.6	.0	9.9
S. WL	* 0	0	150	2	* AG	501	3.7	.0	9.9
T. EL	* 0	0	-150	-2	* AG	1	3.5	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. NE3	* 8	8	1.8
2. SE3	* 8	-8	1.8
3. SW3	* -8	-8	1.8
4. NW3	* -8	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	* 185.	* 1.3	* .0	.5	.0	.0	.0	.0	.3	.0	
2. SE3	* 85.	* 1.2	* .0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	* 85.	* 1.6	* .0	.1	.0	.0	.0	.0	.2	.0	
4. NW3	* 175.	* 1.2	* .0	.3	.0	.0	.0	.0	.6	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	* .0	.2	.0	.0	.0	.0	.1	.0	.0	.0	.1	.0
2. SE3	* .1	.2	.0	.0	.0	.0	.6	.0	.0	.0	.2	.0
3. SW3	* .1	.2	.0	.0	.0	.0	.5	.0	.0	.0	.3	.0
4. NW3	* .0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: FUTURE STREET AND DALE EVANS PRKWAY DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M)	* Y1	X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	* AG	312	2.6	.0	10.5	
B. NA	5	-150	5	0	* AG	214	3.5	.0	9.9	
C. ND	5	0	5	150	* AG	170	2.8	.0	9.9	
D. NE	5	150	5	450	* AG	170	2.6	.0	10.5	
E. SF	-5	450	-5	150	* AG	281	2.6	.0	10.5	
F. SA	-5	150	-5	0	* AG	189	3.5	.0	9.9	
G. SD	-5	0	-5	-150	* AG	334	2.8	.0	9.9	
H. SE	-5	-150	-5	-450	* AG	334	2.6	.0	10.5	
I. WF	450	5	150	5	* AG	126	2.6	.0	10.5	
J. WA	150	5	0	5	* AG	46	5.1	.0	9.9	
K. WD	0	5	-150	5	* AG	119	3.1	.0	9.9	
L. WE	-150	5	-450	5	* AG	119	2.6	.0	10.5	
M. EF	-450	-5	-150	-5	* AG	99	2.6	.0	10.5	
N. EA	-150	-5	0	-5	* AG	96	5.1	.0	9.9	
O. ED	0	-5	150	-5	* AG	195	3.1	.0	9.9	
P. EE	150	-5	450	-5	* AG	195	2.6	.0	10.5	
Q. NL	0	0	5	-150	* AG	98	3.5	.0	9.9	
R. SL	0	0	-5	150	* AG	92	3.5	.0	9.9	
S. WL	0	0	150	5	* AG	80	5.1	.0	9.9	
T. EL	0	0	-150	-5	* AG	3	5.1	.0	9.9	

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M)	* Y	Z
1. NE3	10	10	1.8	
2. SE3	10	-10	1.8	
3. SW3	-10	-10	1.8	
4. NW3	-10	10	1.8	

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	CONC/LINK (PPM)									
	A	B	C	D	E	F	G	H				
1. NE3	184.	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	355.	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
3. SW3	85.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	175.	.4	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: FUTURE STREET AND DALE EVANS PRKWY EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	AG	312	2.6	.0	10.5
B. NA	5	-150	5	0	AG	214	3.5	.0	9.9
C. ND	5	0	5	150	AG	170	2.8	.0	9.9
D. NE	5	150	5	450	AG	170	2.6	.0	10.5
E. SF	-5	450	-5	150	AG	281	2.6	.0	10.5
F. SA	-5	150	-5	0	AG	189	3.5	.0	9.9
G. SD	-5	0	-5	-150	AG	334	2.8	.0	9.9
H. SE	-5	-150	-5	-450	AG	334	2.6	.0	10.5
I. WF	450	5	150	5	AG	126	2.6	.0	10.5
J. WA	150	5	0	5	AG	46	5.1	.0	9.9
K. WD	0	5	-150	5	AG	119	3.1	.0	9.9
L. WE	-150	5	-450	5	AG	119	2.6	.0	10.5
M. EF	-450	-5	-150	-5	AG	99	2.6	.0	10.5
N. EA	-150	-5	0	-5	AG	96	5.1	.0	9.9
O. ED	0	-5	150	-5	AG	195	3.1	.0	9.9
P. EE	150	-5	450	-5	AG	195	2.6	.0	10.5
Q. NL	0	0	5	-150	AG	98	3.5	.0	9.9
R. SL	0	0	-5	150	AG	92	3.5	.0	9.9
S. WL	0	0	150	5	AG	80	5.1	.0	9.9
T. EL	0	0	-150	-5	AG	3	5.1	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	10	1.8
2. SE3	10	-10	1.8
3. SW3	-10	-10	1.8
4. NW3	-10	10	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	CONC/LINK (PPM)									
			* A	* B	* C	* D	* E	* F	* G	* H		
1. NE3	184.	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	355.	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
3. SW3	85.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	175.	.4	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0

RECEPTOR	CONC/LINK (PPM)											
	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: FUTURE STREET AND DALE EVANS PRKWAY DEMUWP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

Table with columns: LINK DESCRIPTION, LINK COORDINATES (M) X1, Y1, X2, Y2, TYPE, VPH, EF (G/MI), H (M), W (M). Lists links A through T with their respective coordinates and parameters.

III. RECEPTOR LOCATIONS

Table with columns: RECEPTOR, COORDINATES (M) X, Y, Z. Lists receptors 1 through 4 with their coordinates.

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

Table with columns: RECEPTOR, BRG (DEG), PRED CONC (PPM), and CONC/LINK (PPM) A through H. Shows model results for receptors 1 through 4.

Table with columns: RECEPTOR, CONC/LINK (PPM) I through T. Shows model results for receptors 1 through 4 across links I through T.

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: FUTURE STREET AND DALE EVANS PRKWAY EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	* AG	573	2.6	.0	10.5
B. NA	5	-150	5	0	* AG	475	4.0	.0	9.9
C. ND	5	0	5	150	* AG	170	2.8	.0	9.9
D. NE	5	150	5	450	* AG	170	2.6	.0	10.5
E. SF	-5	450	-5	150	* AG	281	2.6	.0	10.5
F. SA	-5	150	-5	0	* AG	189	4.0	.0	9.9
G. SD	-5	0	-5	-150	* AG	712	3.0	.0	9.9
H. SE	-5	-150	-5	-450	* AG	712	2.6	.0	10.5
I. WF	450	5	150	5	* AG	504	2.6	.0	10.5
J. WA	150	5	0	5	* AG	46	4.7	.0	9.9
K. WD	0	5	-150	5	* AG	119	3.0	.0	9.9
L. WE	-150	5	-450	5	* AG	119	2.6	.0	10.5
M. EF	-450	-5	-150	-5	* AG	99	2.6	.0	10.5
N. EA	-150	-5	0	-5	* AG	96	4.7	.0	9.9
O. ED	0	-5	150	-5	* AG	456	3.2	.0	9.9
P. EE	150	-5	450	-5	* AG	456	2.6	.0	10.5
Q. NL	0	0	5	-150	* AG	98	4.0	.0	9.9
R. SL	0	0	-5	150	* AG	92	4.0	.0	9.9
S. WL	0	0	150	5	* AG	458	5.3	.0	9.9
T. EL	0	0	-150	-5	* AG	3	4.7	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	10	1.8
2. SE3	10	-10	1.8
3. SW3	-10	-10	1.8
4. NW3	-10	10	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
				D	E	F	G	H				
1. NE3	184.	.9	.0	.4	.0	.0	.0	.0	.0	.0	.1	
2. SE3	185.	.8	.0	.4	.0	.0	.0	.0	.0	.0	.1	
3. SW3	84.	.9	.0	.0	.0	.0	.0	.0	.0	.2	.0	
4. NW3	175.	.8	.0	.1	.0	.0	.0	.0	.0	.4	.0	

RECEPTOR	* I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.2	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: FUTURE STREET AND STATION ACCESS #5 DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	* AG	336	2.6	.0	10.5
B. NA	5	-150	5	0	* AG	290	3.5	.0	9.9
C. ND	5	0	5	150	* AG	318	2.8	.0	9.9
D. NE	5	150	5	450	* AG	318	2.6	.0	10.5
E. SF	-5	450	-5	150	* AG	341	2.6	.0	10.5
F. SA	-5	150	-5	0	* AG	340	3.5	.0	9.9
G. SD	-5	0	-5	-150	* AG	357	2.8	.0	9.9
H. SE	-5	-150	-5	-450	* AG	357	2.6	.0	10.5
I. WF	450	2	150	2	* AG	3	2.6	.0	10.5
J. WA	150	2	0	2	* AG	2	5.8	.0	9.9
K. WD	0	2	-150	2	* AG	88	5.6	.0	9.9
L. WE	-150	2	-450	2	* AG	88	2.6	.0	10.5
M. EF	-450	-2	-150	-2	* AG	86	2.6	.0	10.5
N. EA	-150	-2	0	-2	* AG	58	5.8	.0	9.9
O. ED	0	-2	150	-2	* AG	3	5.6	.0	9.9
P. EE	150	-2	450	-2	* AG	3	2.6	.0	10.5
Q. NL	0	0	5	-150	* AG	46	3.5	.0	9.9
R. SL	0	0	-5	150	* AG	1	3.5	.0	9.9
S. WL	0	0	150	2	* AG	1	5.8	.0	9.9
T. EL	0	0	-150	-2	* AG	28	5.8	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z
1. NE3	10	8	1.8
2. SE3	10	-8	1.8
3. SW3	-10	-8	1.8
4. NW3	-10	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM) D	E	F	G	H
1. NE3	184.	.4	.0	.2	.0	.0	.0	.0	.0	.0
2. SE3	184.	.4	.0	.2	.0	.0	.0	.0	.0	.0
3. SW3	4.	.5	.0	.0	.0	.0	.0	.3	.0	.0
4. NW3	175.	.5	.0	.0	.0	.0	.0	.0	.2	.0

RECEPTOR	I	J	K	L	M	N	CONC/LINK (PPM) O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: FUTURE STREET AND STATION ACCESS #5 EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	AG	336	2.6	.0	10.5
B. NA	5	-150	5	0	AG	290	3.5	.0	9.9
C. ND	5	0	5	150	AG	318	2.8	.0	9.9
D. NE	5	150	5	450	AG	318	2.6	.0	10.5
E. SF	-5	450	-5	150	AG	341	2.6	.0	10.5
F. SA	-5	150	-5	0	AG	340	3.5	.0	9.9
G. SD	-5	0	-5	-150	AG	357	2.8	.0	9.9
H. SE	-5	-150	-5	-450	AG	357	2.6	.0	10.5
I. WF	450	2	150	2	AG	3	2.6	.0	10.5
J. WA	150	2	0	2	AG	2	5.8	.0	9.9
K. WD	0	2	-150	2	AG	88	5.6	.0	9.9
L. WE	-150	2	-450	2	AG	88	2.6	.0	10.5
M. EF	-450	-2	-150	-2	AG	86	2.6	.0	10.5
N. EA	-150	-2	0	-2	AG	58	5.8	.0	9.9
O. ED	0	-2	150	-2	AG	3	5.6	.0	9.9
P. EE	150	-2	450	-2	AG	3	2.6	.0	10.5
Q. NL	0	0	5	-150	AG	46	3.5	.0	9.9
R. SL	0	0	-5	150	AG	1	3.5	.0	9.9
S. WL	0	0	150	2	AG	1	5.8	.0	9.9
T. EL	0	0	-150	-2	AG	28	5.8	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	8	1.8
2. SE3	10	-8	1.8
3. SW3	-10	-8	1.8
4. NW3	-10	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)								
						D	E	F	G	H				
1. NE3	184.	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	184.	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	4.	.5	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
4. NW3	175.	.5	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0

RECEPTOR	I	J	K	L	M	CONC/LINK (PPM)								
						N	O	P	Q	R	S	T		
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: FUTURE STREET AND STATION ACCESS #5 DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M)	* Y1	X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	* 5	-450	* 5	-150	* AG	428	2.6	.0	10.5	
B. NA	* 5	-150	* 5	0	* AG	382	3.5	.0	9.9	
C. ND	* 5	0	* 5	150	* AG	463	2.8	.0	9.9	
D. NE	* 5	150	* 5	450	* AG	463	2.6	.0	10.5	
E. SF	* -5	450	* -5	150	* AG	551	2.6	.0	10.5	
F. SA	* -5	150	* -5	0	* AG	473	3.5	.0	9.9	
G. SD	* -5	0	* -5	-150	* AG	490	2.8	.0	9.9	
H. SE	* -5	-150	* -5	-450	* AG	490	2.6	.0	10.5	
I. WF	* 450	2	* 150	2	* AG	56	2.6	.0	10.5	
J. WA	* 150	2	* 0	2	* AG	55	5.8	.0	9.9	
K. WD	* 0	2	* -150	2	* AG	88	5.1	.0	9.9	
L. WE	* -150	2	* -450	2	* AG	88	2.6	.0	10.5	
M. EF	* -450	-2	* -150	-2	* AG	86	2.6	.0	10.5	
N. EA	* -150	-2	* 0	-2	* AG	58	5.8	.0	9.9	
O. ED	* 0	-2	* 150	-2	* AG	80	5.1	.0	9.9	
P. EE	* 150	-2	* 450	-2	* AG	80	2.6	.0	10.5	
Q. NL	* 0	0	* 5	-150	* AG	46	3.5	.0	9.9	
R. SL	* 0	0	* -5	150	* AG	78	3.5	.0	9.9	
S. WL	* 0	0	* 150	2	* AG	1	5.8	.0	9.9	
T. EL	* 0	0	* -150	-2	* AG	28	5.8	.0	9.9	

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M)	* Y	Z
1. NE3	* 10	8	* 1.8	
2. SE3	* 10	-8	* 1.8	
3. SW3	* -10	-8	* 1.8	
4. NW3	* -10	8	* 1.8	

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)							
			D	E	F	G	H						
1. NE3	* 184.	* .6	* .0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	* 355.	* .6	* .0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	* 4.	* .7	* .0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
4. NW3	* 175.	* .6	* .0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0

RECEPTOR	* I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: FUTURE STREET AND STATION ACCESS #5 EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	* AG	465	2.6	.0	10.5
B. NA	5	-150	5	0	* AG	419	3.5	.0	9.9
C. ND	5	0	5	150	* AG	522	2.8	.0	9.9
D. NE	5	150	5	450	* AG	522	2.6	.0	10.5
E. SF	-5	450	-5	150	* AG	638	2.6	.0	10.5
F. SA	-5	150	-5	0	* AG	528	3.6	.0	9.9
G. SD	-5	0	-5	-150	* AG	545	2.8	.0	9.9
H. SE	-5	-150	-5	-450	* AG	545	2.6	.0	10.5
I. WF	450	2	150	2	* AG	78	2.6	.0	10.5
J. WA	150	2	0	2	* AG	77	5.8	.0	9.9
K. WD	0	2	-150	2	* AG	88	5.1	.0	9.9
L. WE	-150	2	-450	2	* AG	88	2.6	.0	10.5
M. EF	-450	-2	-150	-2	* AG	86	2.6	.0	10.5
N. EA	-150	-2	0	-2	* AG	58	5.8	.0	9.9
O. ED	0	-2	150	-2	* AG	112	5.1	.0	9.9
P. EE	150	-2	450	-2	* AG	112	2.6	.0	10.5
Q. NL	0	0	5	-150	* AG	46	3.5	.0	9.9
R. SL	0	0	-5	150	* AG	110	3.5	.0	9.9
S. WL	0	0	150	2	* AG	1	5.8	.0	9.9
T. EL	0	0	-150	-2	* AG	28	5.8	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	8	1.8
2. SE3	10	-8	1.8
3. SW3	-10	-8	1.8
4. NW3	-10	8	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	184.	.6	.0	.3	.0	.0	.0	.0	.0	.0	
2. SE3	355.	.7	.0	.0	.3	.0	.0	.1	.0	.0	
3. SW3	4.	.8	.0	.0	.0	.0	.0	.4	.0	.0	
4. NW3	4.	.7	.0	.0	.0	.0	.0	.4	.0	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)							
						N	O	P	Q	R	S	T	
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2. SE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

VICTORVILLE ALTERNATIVE 3- 2030 SCENARIO

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND DALE EVANS PRKWY DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	* AG	627	1.0	.0	10.5
B. NA	5	-150	5	0	* AG	428	1.8	.0	9.9
C. ND	5	0	5	150	* AG	406	1.3	.0	9.9
D. NE	5	150	5	450	* AG	406	1.0	.0	10.5
E. SF	-5	450	-5	150	* AG	3	1.0	.0	10.5
F. SA	-5	150	-5	0	* AG	2	1.8	.0	9.9
G. SD	-5	0	-5	-150	* AG	3	1.2	.0	9.9
H. SE	-5	-150	-5	-450	* AG	3	1.0	.0	10.5
I. WF	450	7	150	7	* AG	566	1.0	.0	15.0
J. WA	150	7	0	7	* AG	565	1.4	.0	9.9
K. WD	0	7	-150	7	* AG	589	1.1	.0	9.9
L. WE	-150	7	-450	7	* AG	589	1.0	.0	15.0
M. EF	-450	-7	-150	-7	* AG	787	1.0	.0	15.0
N. EA	-150	-7	0	-7	* AG	558	1.4	.0	13.5
O. ED	0	-7	150	-7	* AG	985	1.1	.0	9.9
P. EE	150	-7	450	-7	* AG	985	1.0	.0	15.0
Q. NL	0	0	5	-150	* AG	199	1.8	.0	9.9
R. SL	0	0	-5	150	* AG	1	1.8	.0	9.9
S. WL	0	0	150	5	* AG	1	1.4	.0	9.9
T. EL	0	0	-150	-5	* AG	229	1.4	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	14	1.8
2. SE3	10	-14	1.8
3. SW3	-10	-14	1.8
4. NW3	-10	14	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. NE3	184.	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	275.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	172.	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND DALE EVANS PRKWAY EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	* AG	627	1.0	.0	10.5
B. NA	5	-150	5	0	* AG	428	1.8	.0	9.9
C. ND	5	0	5	150	* AG	406	1.3	.0	9.9
D. NE	5	150	5	450	* AG	406	1.0	.0	10.5
E. SF	-5	450	-5	150	* AG	3	1.0	.0	10.5
F. SA	-5	150	-5	0	* AG	2	1.8	.0	9.9
G. SD	-5	0	-5	-150	* AG	3	1.2	.0	9.9
H. SE	-5	-150	-5	-450	* AG	3	1.0	.0	10.5
I. WF	450	7	150	7	* AG	566	1.0	.0	15.0
J. WA	150	7	0	7	* AG	565	1.4	.0	9.9
K. WD	0	7	-150	7	* AG	589	1.1	.0	9.9
L. WE	-150	7	-450	7	* AG	589	1.0	.0	15.0
M. EF	-450	-7	-150	-7	* AG	787	1.0	.0	15.0
N. EA	-150	-7	0	-7	* AG	558	1.4	.0	13.5
O. ED	0	-7	150	-7	* AG	985	1.1	.0	9.9
P. EE	150	-7	450	-7	* AG	985	1.0	.0	15.0
Q. NL	0	0	5	-150	* AG	199	1.8	.0	9.9
R. SL	0	0	-5	150	* AG	1	1.8	.0	9.9
S. WL	0	0	150	5	* AG	1	1.4	.0	9.9
T. EL	0	0	-150	-5	* AG	229	1.4	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	14	1.8
2. SE3	10	-14	1.8
3. SW3	-10	-14	1.8
4. NW3	-10	14	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	184.	.3	.0	.1	.0	.0	.0	.0	.0	.0	
2. SE3	275.	.3	.0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0	
4. NW3	172.	.2	.0	.0	.0	.0	.0	.0	.0	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 NB RAMPS AND DALE EVANS PRKWAY DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	* AG	1190	1.0	.0	10.5
B. NA	5	-150	5	0	* AG	428	1.7	.0	9.9
C. ND	5	0	5	150	* AG	432	1.2	.0	9.9
D. NE	5	150	5	450	* AG	432	1.0	.0	10.5
E. SF	-5	450	-5	150	* AG	3	1.0	.0	10.5
F. SA	-5	150	-5	0	* AG	2	1.7	.0	9.9
G. SD	-5	0	-5	-150	* AG	3	1.2	.0	9.9
H. SE	-5	-150	-5	-450	* AG	3	1.0	.0	10.5
I. WF	450	7	150	7	* AG	672	1.0	.0	15.0
J. WA	150	7	0	7	* AG	671	1.6	.0	9.9
K. WD	0	7	-150	7	* AG	1258	1.2	.0	9.9
L. WE	-150	7	-450	7	* AG	1258	1.0	.0	15.0
M. EF	-450	-7	-150	-7	* AG	892	1.0	.0	15.0
N. EA	-150	-7	0	-7	* AG	637	1.5	.0	13.5
O. ED	0	-7	150	-7	* AG	1064	1.1	.0	9.9
P. EE	150	-7	450	-7	* AG	1064	1.0	.0	15.0
Q. NL	0	0	5	-150	* AG	762	2.2	.0	9.9
R. SL	0	0	-5	150	* AG	1	1.7	.0	9.9
S. WL	0	0	150	5	* AG	1	1.5	.0	9.9
T. EL	0	0	-150	-5	* AG	255	1.6	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	14	1.8
2. SE3	10	-14	1.8
3. SW3	-10	-14	1.8
4. NW3	-10	14	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)								
						D	E	F	G	H				
1. NE3	184.	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	275.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	84.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	171.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM)												
	I	J	K	L	M	N	O	P	Q	R	S	T	
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: I-15 NB RAMPS AND DALE EVANS PRKWY EMUWP
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

Table with columns: LINK DESCRIPTION, COORDINATES (M), TYPE, VPH, EF (G/MI), H (M), W (M). Rows include links A through T with various parameters.

III. RECEPTOR LOCATIONS

Table with columns: RECEPTOR, COORDINATES (M) X, Y, Z. Rows include NE3, SE3, SW3, NW3.

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

Table with columns: RECEPTOR, BRG (DEG), PRED CONC (PPM), and CONC/LINK (PPM) A through T. Rows include NE3, SE3, SW3, NW3.

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 SB RAMPS AND DALE EVANS PRKWAY DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M) Y1	* X2	LINK COORDINATES (M) Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	* 5	-450	5	-150	* AG	3	1.0	.0	10.5
B. NA	* 5	-150	5	0	* AG	2	1.8	.0	9.9
C. ND	* 5	0	5	150	* AG	3	1.2	.0	9.9
D. NE	* 5	150	5	450	* AG	3	1.0	.0	10.5
E. SF	* -5	450	-5	150	* AG	715	1.0	.0	10.5
F. SA	* -5	150	-5	0	* AG	397	1.8	.0	9.9
G. SD	* -5	0	-5	-150	* AG	880	2.2	.0	9.9
H. SE	* -5	-150	-5	-450	* AG	880	1.0	.0	10.5
I. WF	* 450	7	150	7	* AG	589	1.0	.0	15.0
J. WA	* 150	7	0	7	* AG	268	1.4	.0	13.5
K. WD	* 0	7	-150	7	* AG	664	1.1	.0	9.9
L. WE	* -150	7	-450	7	* AG	664	1.0	.0	15.0
M. EF	* -450	-7	-150	-7	* AG	1027	1.0	.0	15.0
N. EA	* -150	-7	0	-7	* AG	1026	1.4	.0	13.5
O. ED	* 0	-7	150	-7	* AG	787	1.1	.0	9.9
P. EE	* 150	-7	450	-7	* AG	787	1.0	.0	15.0
Q. NL	* 0	0	5	-150	* AG	1	1.8	.0	9.9
R. SL	* 0	0	-5	150	* AG	318	1.9	.0	9.9
S. WL	* 0	0	150	5	* AG	321	1.4	.0	9.9
T. EL	* 0	0	-150	-5	* AG	1	1.4	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. NE3	* 10	14	1.8
2. SE3	* 10	-14	1.8
3. SW3	* -10	-14	1.8
4. NW3	* -10	14	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	* 264.	* .3	* .0	.0	.0	.0	.0	.0	.0	.0	
2. SE3	* 275.	* .4	* .0	.0	.0	.0	.0	.0	.0	.0	
3. SW3	* 5.	* .5	* .0	.0	.0	.0	.0	.1	.1	.0	
4. NW3	* 176.	* .5	* .0	.0	.0	.0	.0	.0	.3	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	* .0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	* .0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
3. SW3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 SB RAMPS AND DALE EVANS PRKWAY EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	* AG	3	1.0	.0	10.5
B. NA	5	-150	5	0	* AG	2	1.8	.0	9.9
C. ND	5	0	5	150	* AG	3	1.2	.0	9.9
D. NE	5	150	5	450	* AG	3	1.0	.0	10.5
E. SF	-5	450	-5	150	* AG	715	1.0	.0	10.5
F. SA	-5	150	-5	0	* AG	397	1.8	.0	9.9
G. SD	-5	0	-5	-150	* AG	880	2.2	.0	9.9
H. SE	-5	-150	-5	-450	* AG	880	1.0	.0	10.5
I. WF	450	7	150	7	* AG	589	1.0	.0	15.0
J. WA	150	7	0	7	* AG	268	1.4	.0	13.5
K. WD	0	7	-150	7	* AG	664	1.1	.0	9.9
L. WE	-150	7	-450	7	* AG	664	1.0	.0	15.0
M. EF	-450	-7	-150	-7	* AG	1027	1.0	.0	15.0
N. EA	-150	-7	0	-7	* AG	1026	1.4	.0	13.5
O. ED	0	-7	150	-7	* AG	787	1.1	.0	9.9
P. EE	150	-7	450	-7	* AG	787	1.0	.0	15.0
Q. NL	0	0	5	-150	* AG	1	1.8	.0	9.9
R. SL	0	0	-5	150	* AG	318	1.9	.0	9.9
S. WL	0	0	150	5	* AG	321	1.4	.0	9.9
T. EL	0	0	-150	-5	* AG	1	1.4	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z
1. NE3	10	14	1.8
2. SE3	10	-14	1.8
3. SW3	-10	-14	1.8
4. NW3	-10	14	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	275.	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	5.	.5	.0	.0	.0	.0	.0	.1	.1	.0	.0
4. NW3	176.	.5	.0	.0	.0	.0	.0	.0	.3	.0	.0

RECEPTOR	I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. NE3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 SB RAMPS AND DALE EVANS PRKWY DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M) Y1	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	* 5	-450	5 -150	* AG	3	1.0	.0	10.5
B. NA	* 5	-150	5 0	* AG	2	2.1	.0	9.9
C. ND	* 5	0	5 150	* AG	3	1.2	.0	9.9
D. NE	* 5	150	5 450	* AG	3	1.0	.0	10.5
E. SF	* -5	450	-5 150	* AG	750	1.0	.0	15.0
F. SA	* -5	150	-5 0	* AG	432	2.1	.0	9.9
G. SD	* -5	0	-5 -150	* AG	1299	2.2	.0	9.9
H. SE	* -5	-150	-5 -450	* AG	1299	1.0	.0	10.5
I. WF	* 450	7	150 7	* AG	1257	1.0	.0	15.0
J. WA	* 150	7	0 7	* AG	936	1.4	.0	13.5
K. WD	* 0	7	-150 7	* AG	1367	1.1	.0	9.9
L. WE	* -150	7	-450 7	* AG	1367	1.0	.0	15.0
M. EF	* -450	-7	-150 -7	* AG	1551	1.0	.0	15.0
N. EA	* -150	-7	0 -7	* AG	1550	1.4	.0	13.5
O. ED	* 0	-7	150 -7	* AG	892	1.1	.0	9.9
P. EE	* 150	-7	450 -7	* AG	892	1.0	.0	15.0
Q. NL	* 0	0	5 -150	* AG	1	2.1	.0	9.9
R. SL	* 0	0	-5 150	* AG	318	2.2	.0	9.9
S. WL	* 0	0	150 5	* AG	321	1.4	.0	9.9
T. EL	* 0	0	-150 -5	* AG	1	1.3	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. NE3	* 10	14	1.8
2. SE3	* 10	-14	1.8
3. SW3	* -10	-14	1.8
4. NW3	* -10	14	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM) D	E	F	G	H
1. NE3	* 263.	* .4	* .0	.0	.0	.0	.0	.0	.0	.0
2. SE3	* 275.	* .6	* .0	.0	.0	.0	.0	.0	.1	.0
3. SW3	* 6.	* .6	* .0	.0	.0	.0	.0	.2	.2	.0
4. NW3	* 176.	* .7	* .0	.0	.0	.0	.0	.0	.5	.0

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM) N	O	P	Q	R	S	T
1. NE3	* .0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	* .0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
3. SW3	* .0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
4. NW3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: I-15 SB RAMPS AND DALE EVANS PRKWAY EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	5	-450	5	-150	AG	3	1.0	.0	10.5
B. NA	5	-150	5	0	AG	2	2.1	.0	9.9
C. ND	5	0	5	150	AG	3	1.3	.0	9.9
D. NE	5	150	5	450	AG	3	1.0	.0	10.5
E. SF	-5	450	-5	150	AG	765	1.0	.0	10.5
F. SA	-5	150	-5	0	AG	447	2.1	.0	9.9
G. SD	-5	0	-5	-150	AG	1471	2.2	.0	9.9
H. SE	-5	-150	-5	-450	AG	1471	1.0	.0	10.5
I. WF	450	7	150	7	AG	1532	1.0	.0	15.0
J. WA	150	7	0	7	AG	1211	1.4	.0	13.5
K. WD	0	7	-150	7	AG	1657	1.1	.0	9.9
L. WE	-150	7	-450	7	AG	1657	1.0	.0	15.0
M. EF	-450	-7	-150	-7	AG	1766	1.0	.0	15.0
N. EA	-150	-7	0	-7	AG	1765	1.5	.0	13.5
O. ED	0	-7	150	-7	AG	935	1.1	.0	9.9
P. EE	150	-7	450	-7	AG	935	1.0	.0	15.0
Q. NL	0	0	5	-150	AG	1	2.1	.0	9.9
R. SL	0	0	-5	150	AG	318	2.2	.0	9.9
S. WL	0	0	150	5	AG	321	1.4	.0	9.9
T. EL	0	0	-150	-5	AG	1	1.3	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	10	14	1.8
2. SE3	10	-14	1.8
3. SW3	-10	-14	1.8
4. NW3	-10	14	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. NE3	262.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	275.	.7	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
3. SW3	6.	.7	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0
4. NW3	176.	.8	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. NE3	.0	.0	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
4. NW3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: FUTURE STREET AND DALE EVANS PRKWAY DEMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	14	-450	14	-150	AG	1638	1.0	.0	19.5
B. NA	14	-150	14	0	AG	1123	1.3	.0	27.0
C. ND	14	0	14	150	AG	892	1.1	.0	13.5
D. NE	14	150	14	450	AG	892	1.0	.0	19.5
E. SF	-14	450	-14	150	AG	1474	1.0	.0	19.5
F. SA	-14	150	-14	0	AG	989	1.3	.0	22.5
G. SD	-14	0	-14	-150	AG	1752	1.1	.0	13.5
H. SE	-14	-150	-14	-450	AG	1752	1.0	.0	19.5
I. WF	450	9	150	9	AG	662	1.0	.0	15.0
J. WA	150	9	0	9	AG	242	1.9	.0	18.0
K. WD	0	9	-150	9	AG	624	1.3	.0	9.9
L. WE	-150	9	-450	9	AG	624	1.0	.0	15.0
M. EF	-450	-9	-150	-9	AG	521	1.0	.0	15.0
N. EA	-150	-9	0	-9	AG	504	1.9	.0	18.0
O. ED	0	-9	150	-9	AG	1027	1.8	.0	9.9
P. EE	150	-9	450	-9	AG	1027	1.0	.0	15.0
Q. NL	0	0	9	-150	AG	515	1.4	.0	9.9
R. SL	0	0	-9	150	AG	485	1.3	.0	9.9
S. WL	0	0	150	7	AG	420	1.9	.0	9.9
T. EL	0	0	-150	-7	AG	17	1.9	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	23	17	1.8
2. SE3	23	-17	1.8
3. SW3	-23	-17	1.8
4. NW3	-23	17	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. NE3	186.	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	352.	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
3. SW3	84.	.6	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
4. NW3	173.	.5	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4:

CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: FUTURE STREET AND DALE EVANS PRKWAY EMUNP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	14	-450	14	-150	AG	1638	1.0	.0	19.5
B. NA	14	-150	14	0	AG	1123	1.3	.0	27.0
C. ND	14	0	14	150	AG	892	1.1	.0	13.5
D. NE	14	150	14	450	AG	892	1.0	.0	19.5
E. SF	-14	450	-14	150	AG	1474	1.0	.0	19.5
F. SA	-14	150	-14	0	AG	989	1.3	.0	22.5
G. SD	-14	0	-14	-150	AG	1752	1.1	.0	13.5
H. SE	-14	-150	-14	-450	AG	1752	1.0	.0	19.5
I. WF	450	9	150	9	AG	662	1.0	.0	15.0
J. WA	150	9	0	9	AG	242	1.9	.0	18.0
K. WD	0	9	-150	9	AG	624	1.3	.0	9.9
L. WE	-150	9	-450	9	AG	624	1.0	.0	15.0
M. EF	-450	-9	-150	-9	AG	521	1.0	.0	15.0
N. EA	-150	-9	0	-9	AG	504	1.9	.0	18.0
O. ED	0	-9	150	-9	AG	1027	1.8	.0	9.9
P. EE	150	-9	450	-9	AG	1027	1.0	.0	15.0
Q. NL	0	0	9	-150	AG	515	1.4	.0	9.9
R. SL	0	0	-9	150	AG	485	1.3	.0	9.9
S. WL	0	0	150	7	AG	420	1.9	.0	9.9
T. EL	0	0	-150	-7	AG	17	1.9	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	23	17	1.8
2. SE3	23	-17	1.8
3. SW3	-23	-17	1.8
4. NW3	-23	17	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)								
						D	E	F	G	H				
1. NE3	186.	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	352.	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW3	84.	.6	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
4. NW3	173.	.5	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: FUTURE STREET AND DALE EVANS PRKWAY DEMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M) Y1	* Y2	* X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	* 14	-450	14	-150	* AG	1638	1.0	.0	19.5	
B. NA	* 14	-150	14	0	* AG	1123	1.3	.0	27.0	
C. ND	* 14	0	14	150	* AG	892	1.1	.0	13.5	
D. NE	* 14	150	14	450	* AG	892	1.0	.0	19.5	
E. SF	* -14	450	-14	150	* AG	1474	1.0	.0	19.5	
F. SA	* -14	150	-14	0	* AG	989	1.3	.0	22.5	
G. SD	* -14	0	-14	-150	* AG	1752	1.1	.0	13.5	
H. SE	* -14	-150	-14	-450	* AG	1752	1.0	.0	19.5	
I. WF	* 450	9	150	9	* AG	662	1.0	.0	15.0	
J. WA	* 150	9	0	9	* AG	242	1.9	.0	18.0	
K. WD	* 0	9	-150	9	* AG	624	1.3	.0	9.9	
L. WE	* -150	9	-450	9	* AG	624	1.0	.0	15.0	
M. EF	* -450	-9	-150	-9	* AG	521	1.0	.0	15.0	
N. EA	* -150	-9	0	-9	* AG	504	1.9	.0	18.0	
O. ED	* 0	-9	150	-9	* AG	1027	1.8	.0	9.9	
P. EE	* 150	-9	450	-9	* AG	1027	1.0	.0	15.0	
Q. NL	* 0	0	9	-150	* AG	515	1.4	.0	9.9	
R. SL	* 0	0	-9	150	* AG	485	1.3	.0	9.9	
S. WL	* 0	0	150	7	* AG	420	1.9	.0	9.9	
T. EL	* 0	0	-150	-7	* AG	17	1.9	.0	9.9	

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. NE3	* 23	17	1.8
2. SE3	* 23	-17	1.8
3. SW3	* -23	-17	1.8
4. NW3	* -23	17	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	CONC/LINK (PPM)									
	* (DEG)	* (PPM)	A	B	C	D	E	F	G	H		
1. NE3	* 186.	* .4	.0	.1	.0	.0	.0	.0	.0	.0	.0	
2. SE3	* 352.	* .4	.0	.0	.1	.0	.0	.0	.0	.0	.0	
3. SW3	* 84.	* .6	.0	.0	.0	.0	.0	.0	.1	.0	.0	
4. NW3	* 173.	* .5	.0	.0	.0	.0	.0	.0	.0	.2	.0	

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	* .0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
3. SW3	* .0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: FUTURE STREET AND DALE EVANS PRKWY EMUWP
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGTH= 5. DEGREES TEMP= 15.6 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	14	-450	14	-150	AG	1638	1.0	.0	19.5
B. NA	14	-150	14	0	AG	1123	1.3	.0	27.0
C. ND	14	0	14	150	AG	892	1.1	.0	13.5
D. NE	14	150	14	450	AG	892	1.0	.0	19.5
E. SF	-14	450	-14	150	AG	1474	1.0	.0	19.5
F. SA	-14	150	-14	0	AG	989	1.3	.0	22.5
G. SD	-14	0	-14	-150	AG	1752	1.1	.0	13.5
H. SE	-14	-150	-14	-450	AG	1752	1.0	.0	19.5
I. WF	450	9	150	9	AG	662	1.0	.0	15.0
J. WA	150	9	0	9	AG	242	1.9	.0	18.0
K. WD	0	9	-150	9	AG	624	1.3	.0	9.9
L. WE	-150	9	-450	9	AG	624	1.0	.0	15.0
M. EF	-450	-9	-150	-9	AG	521	1.0	.0	15.0
N. EA	-150	-9	0	-9	AG	504	1.9	.0	18.0
O. ED	0	-9	150	-9	AG	1027	1.8	.0	9.9
P. EE	150	-9	450	-9	AG	1027	1.0	.0	15.0
Q. NL	0	0	9	-150	AG	515	1.4	.0	9.9
R. SL	0	0	-9	150	AG	485	1.3	.0	9.9
S. WL	0	0	150	7	AG	420	1.9	.0	9.9
T. EL	0	0	-150	-7	AG	17	1.9	.0	9.9

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. NE3	23	17	1.8
2. SE3	23	-17	1.8
3. SW3	-23	-17	1.8
4. NW3	-23	17	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. NE3	186.	.4	.0	.1	.0	.0	.0	.0	.0	.0	
2. SE3	352.	.4	.0	.1	.0	.0	.0	.0	.0	.0	
3. SW3	84.	.6	.0	.0	.0	.0	.0	.0	.1	.0	
4. NW3	173.	.5	.0	.0	.0	.0	.0	.0	.2	.0	

RECEPTOR	CONC/LINK (PPM)											
	I	J	K	L	M	N	O	P	Q	R	S	T
1. NE3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
3. SW3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
4. NW3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

MOBILE 6.2 OUTPUT SHEETS

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT (All)	HDTV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000							
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.5062	0.3332	0.1136		0.0103	0.0005	0.0017	0.0273	0.0072	1.0000
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite Emission Factors (g/mi):										
Composite CO :	16.74	17.59	24.90	19.45	30.34	2.405	1.918	5.123	78.71	18.189
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Exhaust emissions (g/mi):										
CO Start:	4.26	4.75	6.16	5.11		0.297	0.254		2.833	
CO Running:	12.48	12.84	18.74	14.34		2.109	1.664		75.882	
CO Total Exhaust:	16.74	17.59	24.90	19.45	30.34	2.405	1.918	5.123	78.71	18.189
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

```

* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Fleet-Average Emissions 35mph arterial- CY 2013
* File 1, Run 1, Scenario 2.
* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
M583 Warning:
    The user supplied arterial average speed of 35.0
    will be used for all hours of the day. 100% of VMT
    has been assigned to the arterial/collector roadway
    type for all hours of the day and all vehicle types.
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
M 48 Warning:
    there are no sales for vehicle class HDGV8b
M 48 Warning:
    there are no sales for vehicle class LDDT12

    Calendar Year: 2013
    Month: Jan.
    Altitude: Low
    Minimum Temperature: 42.0 (F)
    Maximum Temperature: 66.0 (F)
    Absolute Humidity: 75. grains/lb
    Nominal Fuel RVP: 9.0 psi
    Weathered RVP: 9.0 psi
    Fuel Sulfur Content: 30. ppm

    Exhaust I/M Program: Yes
    Evap I/M Program: Yes
    ATP Program: Yes
    Reformulated Gas: No
    
```


Ether Blend Market Share: 0.001 Alcohol Blend Market Share: 0.999
 Ether Blend Oxygen Content: 0.027 Alcohol Blend Oxygen Content: 0.035
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.5062	0.3332	0.1136		0.0102	0.0005	0.0017	0.0274	0.0072	1.0000

Composite Emission Factors (g/mi):										
Composite CO :	6.27	6.08	6.96	6.31	4.59	0.506	0.296	0.210	8.39	6.105

Exhaust emissions (g/mi):										
CO Start:	4.05	3.64	4.04	3.74		0.220	0.119		2.833	
CO Running:	2.21	2.45	2.92	2.57		0.286	0.177		5.558	
CO Total Exhaust:	6.27	6.08	6.96	6.31	4.59	0.506	0.296	0.210	8.39	6.105

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.5062	0.3332	0.1136		0.0102	0.0005	0.0017	0.0274	0.0072	1.0000
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Composite Emission Factors (g/mi):										
Composite CO :	7.21	7.93	10.59	8.61	4.82	0.663	0.532	0.842	8.30	7.629
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Exhaust emissions (g/mi):										
CO Start:	4.30	4.77	6.10	5.11		0.299	0.250		2.791	
CO Running:	2.91	3.17	4.49	3.50		0.364	0.281		5.510	
CO Total Exhaust:	7.21	7.93	10.59	8.61	4.82	0.663	0.532	0.842	8.30	7.629
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

* #
 * Fleet-Average Emissions 2.5mph arterial- CY 2030
 * File 1, Run 1, Scenario 3.
 * #

M583 Warning:
 The user supplied arterial average speed of 2.5
 will be used for all hours of the day. 100% of VMT
 has been assigned to the arterial/collector roadway
 type for all hours of the day and all vehicle types.
 *** I/M credits for Tech1&2 vehicles were read from the following external
 data file: TECH12.D
 M 48 Warning:
 there are no sales for vehicle class HDGV8b
 M 48 Warning:
 there are no sales for vehicle class LDDT12

Calendar Year: 2030
 Month: July
 Altitude: Low
 Minimum Temperature: 42.0 (F)
 Maximum Temperature: 66.0 (F)
 Absolute Humidity: 75. grains/lb
 Nominal Fuel RVP: 9.0 psi
 Weathered RVP: 9.0 psi
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes
 Evap I/M Program: Yes
 ATP Program: Yes
 Reformulated Gas: No

Ether Blend Market Share: 0.001 Alcohol Blend Market Share: 0.999
 Ether Blend Oxygen Content: 0.027 Alcohol Blend Oxygen Content: 0.035
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.5062	0.3332	0.1136		0.0102	0.0005	0.0017	0.0274	0.0072	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	13.77	13.86	15.91	14.38	29.24	1.879	1.140	1.193	78.01	14.293
Exhaust emissions (g/mi):										
CO Start:	4.10	3.69	4.05	3.78		0.223	0.120		2.791	
CO Running:	9.68	10.17	11.86	10.60		1.656	1.020		75.221	
CO Total Exhaust:	13.77	13.86	15.91	14.38	29.24	1.879	1.140	1.193	78.01	14.293

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
* Fleet-Average Emissions 35mph arterial- CY 2030
* File 1, Run 1, Scenario 4.
* # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
```

M583 Warning:

The user supplied arterial average speed of 35.0 will be used for all hours of the day. 100% of VMT has been assigned to the arterial/collector roadway type for all hours of the day and all vehicle types.

*** I/M credits for Tech1&2 vehicles were read from the following external data file: TECH12.D

M 48 Warning:

there are no sales for vehicle class HDGV8b

M 48 Warning:

there are no sales for vehicle class LDDT12

Calendar Year: 2030
 Month: July
 Altitude: Low
 Minimum Temperature: 42.0 (F)
 Maximum Temperature: 66.0 (F)
 Absolute Humidity: 75. grains/lb
 Nominal Fuel RVP: 9.0 psi
 Weathered RVP: 9.0 psi
 Fuel Sulfur Content: 30. ppm

Exhaust I/M Program: Yes
 Evap I/M Program: Yes
 ATP Program: Yes
 Reformulated Gas: No

Ether Blend Market Share: 0.001 Alcohol Blend Market Share: 0.999
 Ether Blend Oxygen Content: 0.027 Alcohol Blend Oxygen Content: 0.035
 Alcohol Blend RVP Waiver: No

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
VMT Distribution:	0.5062	0.3332	0.1136		0.0102	0.0005	0.0017	0.0274	0.0072	1.0000

Composite Emission Factors (g/mi):										
Composite CO :	6.34	6.19	6.97	6.39	4.62	0.511	0.297	0.207	8.30	6.177

Exhaust emissions (g/mi):										
CO Start:	4.10	3.69	4.05	3.78		0.223	0.120		2.791	
CO Running:	2.25	2.50	2.92	2.60		0.288	0.177		5.510	
CO Total Exhaust:	6.34	6.19	6.97	6.39	4.62	0.511	0.297	0.207	8.30	6.177

Cal3qhc Output for Las Vegas Station Alternatives

Concentrations at the following receptor points were used for the purpose of CO Hotspot Analysis:

Intersection	3-meters Receptors	7-meters Receptors
Downtown Alternative		
E. Bonneville @ N. Main St	17,21,24,27	18,22,25,28
E. Bonneville @ S. MLK	17,21,24,27	18,22,25,28
S. MLK @ W. Charleston	17,21,24,27	18,22,25,28
S. Grand Central Pkwy @ W. Charleston	17,21,24,27	18,22,25,28
S. Main St @ W. Charleston	17,21,24,27	18,22,25,28
S. MLK @ I-15 SB On Ramps	17,21,24,27	18,22,25,28
I-15 Ramps @ Charleston	17,21,24,27	18,22,25,28
Central Station "A" Alternative		
W. Twain @ S. Valley View	17,21,24,27	18,22,25,28
W. Twain @ Dean Martin Dr/Industrial	17,21,24,27	18,22,25,28
Industrial @ Frank Sinatra	17,21,24,27	18,22,25,28
W. Flamingo @ I-15 NB Ramps	17,21,24,27	18,22,25,28
W. Flamingo @ S. Valley View	18,22,25, 28	1,5,9,13
W. Flamingo @ Hotel Rio Dr	17,21,25,27	18,22,9,28
Central Station "B" Alternative		
W. Flamingo @ Hotel Rio Dr	17,21,25,27	18,22,9,28
W. Flamingo @ I-15 NB Ramps	17,21,24,27	18,22,25,28
Hotel Rio Dr @ Dean Martin Dr	17,21,24,27	18,22,25,28
W. Tropicana @ Dean Martin Dr	17,21,24,27	18,22,25,28
W. Tropicana @ I-15 NB Ramps	18,21,25,27	1,22,9,28
South Station Alternative		
W. Tropicana @ S. Valley View	17,21,24,27	18,22,25,28
W. Tropicana @ Dean Martin Dr	17,21,24,27	18,22,25,28
W. Tropicana @ I-15 NB Ramps	18,21,25,27	1,22,9,28
Circulation/ Aldebaran @ W. Hacienda	17,21,24,27	18,22,25,28
W. Hacienda @ Polaris	17,21,24,27	18,22,25,28
W. Hacienda @ S. Valley View	17,21,24,27	18,22,25,28
W. Russell @ Polaris	17,21,24,27	18,22,25,28
W. Russell @ I-15 SB Ramps	17,21,24,27	18,22,25,28
W. Russell @ I-15 NB Ramps	17,21,24,27	18,22,25,28

Downtown Alternative- No Project Output-2013

JOB: 2013lvdwntwn E. Bonneville and N. Main St-No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 19:21: 4

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-137.6	* 15.	360. AG	146.	100.0	0.0	11.0	0.58	2.5
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1157.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	140.2	* 12.	180. AG	146.	100.0	0.0	11.0	0.47	2.0
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	808.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	854.	7.6	0.0	9.7		
6. Link_12	* 152.4	7.6	123.1	7.6	* 29.	270. AG	146.	100.0	0.0	7.3	0.87	4.9
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	662.	7.6	0.0	9.7		
8. Link_4	* -152.4	-7.6	-134.6	-7.6	* 18.	90. AG	220.	100.0	0.0	11.0	0.70	3.0

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
1. Link_2	* 60	24	2.0	1108	1200	45.50	1	3
3. Link_5	* 60	24	2.0	913	1200	45.50	1	3
6. Link_12	* 60	36	2.0	694	1200	45.50	1	3
8. Link_4	* 60	36	2.0	846	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	1.0	1.0
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.5	0.5
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.2	0.3
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.2
40.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.2
50.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.3
60.	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.1	0.4
70.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.4	0.0	0.0	0.1	0.5
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.1	0.1	0.1	0.4	0.4	0.2	0.2	0.0	0.0	0.1	0.8
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.8
100.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3
110.	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.1
120.	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.1
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.1	0.3	0.1
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.0
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.0
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.0
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.3	0.0
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.1
190.	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.2	0.7	0.2
200.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.7	0.2
210.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.4	0.6	0.2
220.	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.2
230.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3
240.	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.3
250.	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3
260.	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.5	0.7	0.3
270.	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.7	0.4
280.	0.2	0.2	0.2	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.3	0.2	0.3	0.5
290.	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.3	0.2	0.3	0.6
300.	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.2	0.3	0.6
310.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.4
320.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.4
330.	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.5	0.4
340.	0.3	0.4	0.2	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.5
350.	0.2	0.1	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.7	0.4	0.9	0.8
360.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	1.0	1.0
MAX DEGR.	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.7	0.5	1.0	1.0
	260	250	220	220	340	340	340	310	110	100	130	130	30	80	20	70	260	260	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.6	0.4	0.1	0.0	0.0	0.4	0.1	0.1
10.	*		0.2	0.2	0.3	0.2	0.1	0.7	0.5	0.3
20.	*		0.2	0.2	0.4	0.3	0.2	0.7	0.5	0.4
30.	*		0.2	0.2	0.3	0.3	0.2	0.6	0.6	0.4
40.	*		0.2	0.2	0.3	0.2	0.2	0.4	0.4	0.4
50.	*		0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.3
60.	*		0.3	0.2	0.2	0.2	0.2	0.4	0.4	0.3
70.	*		0.4	0.4	0.3	0.2	0.2	0.4	0.5	0.5
80.	*		0.5	0.4	0.3	0.2	0.2	0.8	0.7	0.5
90.	*		0.2	0.1	0.6	0.3	0.3	0.8	0.4	0.3
100.	*		0.0	0.0	0.7	0.4	0.4	0.4	0.2	0.1
110.	*		0.0	0.0	0.6	0.5	0.4	0.2	0.2	0.2
120.	*		0.0	0.0	0.5	0.4	0.4	0.2	0.2	0.2
130.	*		0.0	0.0	0.4	0.4	0.3	0.2	0.2	0.2
140.	*		0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.2
150.	*		0.0	0.0	0.4	0.3	0.2	0.3	0.3	0.2
160.	*		0.0	0.0	0.4	0.3	0.3	0.4	0.4	0.3
170.	*		0.0	0.0	0.6	0.5	0.4	0.6	0.6	0.3
180.	*		0.0	0.0	0.7	0.4	0.2	0.7	0.2	0.1
190.	*		0.1	0.2	0.4	0.1	0.1	0.4	0.0	0.0
200.	*		0.2	0.2	0.2	0.1	0.1	0.2	0.0	0.0
210.	*		0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0
220.	*		0.2	0.1	0.2	0.2	0.1	0.1	0.0	0.0
230.	*		0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.0
240.	*		0.1	0.1	0.3	0.2	0.2	0.1	0.0	0.0
250.	*		0.1	0.1	0.4	0.3	0.3	0.1	0.0	0.0
260.	*		0.1	0.1	0.7	0.4	0.3	0.1	0.0	0.0
270.	*		0.2	0.1	0.6	0.2	0.0	0.2	0.1	0.1
280.	*		0.2	0.3	0.3	0.0	0.0	0.3	0.2	0.2
290.	*		0.4	0.2	0.1	0.0	0.0	0.2	0.2	0.1
300.	*		0.4	0.3	0.1	0.0	0.0	0.2	0.1	0.1
310.	*		0.3	0.2	0.0	0.0	0.0	0.2	0.1	0.1
320.	*		0.4	0.4	0.0	0.0	0.0	0.2	0.1	0.1
330.	*		0.4	0.4	0.0	0.0	0.0	0.2	0.1	0.1
340.	*		0.6	0.5	0.0	0.0	0.0	0.2	0.1	0.1
350.	*		0.8	0.6	0.0	0.0	0.0	0.3	0.1	0.1
360.	*		0.6	0.4	0.1	0.0	0.0	0.4	0.1	0.1
MAX	*		0.8	0.6	0.7	0.5	0.4	0.8	0.7	0.5
DEGR.	*		350	350	260	110	100	80	80	70

THE HIGHEST CONCENTRATION OF 1.00 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013lvdwntwn W. Bonneville and S. MLK- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 19:20:48

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
	*	X1	Y1	X2	Y2	*								
1. Link_2	*	7.6	-152.4	7.6	-141.8	*	11.	360. AG	183.	100.0	0.0	11.0	0.41	1.8
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	431.	7.6	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	139.6	*	13.	180. AG	183.	100.0	0.0	11.0	0.49	2.1
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	663.	7.6	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	741.	7.6	0.0	13.4		
6. Link_12	*	152.4	7.6	140.9	7.6	*	12.	270. AG	183.	100.0	0.0	11.0	0.44	1.9
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	868.	7.6	0.0	13.4		
8. Link_4	*	-152.4	-7.6	-142.4	-7.6	*	10.	90. AG	183.	100.0	0.0	11.0	0.39	1.7

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)		
1. Link_2	*	60	30	2.0	637	1200	45.50	1	3
3. Link_5	*	60	30	2.0	771	1200	45.50	1	3
6. Link_12	*	60	30	2.0	691	1200	45.50	1	3
8. Link_4	*	60	30	2.0	604	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

MODEL RESULTS

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

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																					
ANGLE * (PPM)																					
(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.4	0.5
10.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.3
20.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.1	0.2
30.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.1	0.2
40.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.2
50.	*	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
60.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3
70.	*	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.4
80.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.5
90.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.6
100.	*	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3
110.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
120.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1
130.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
140.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
150.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1
160.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1
170.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.2	0.1
180.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.1
190.	*	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.3
200.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.2
210.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.4	0.2
220.	*	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
230.	*	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.2
240.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.2
250.	*	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2
260.	*	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.3
270.	*	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.7	0.4
280.	*	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.3	0.6
290.	*	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6
300.	*	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.5
310.	*	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4
320.	*	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
330.	*	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.4
340.	*	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.3
350.	*	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.4	0.4
360.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.4	0.5
MAX	*	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.4	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.5	0.4	0.7	0.6
DEGR.	*	230	220	250	250	70	70	290	60	160	160	130	130	40	40	40	20	260	250	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.3	0.2	0.2	0.0	0.0	0.3	0.1	0.1
10.	*	0.2	0.1	0.2	0.1	0.1	0.3	0.2	0.2
20.	*	0.2	0.1	0.2	0.1	0.1	0.4	0.3	0.2
30.	*	0.2	0.2	0.2	0.1	0.1	0.4	0.3	0.3
40.	*	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.2
50.	*	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.1
60.	*	0.3	0.2	0.2	0.1	0.1	0.2	0.3	0.2
70.	*	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.3
80.	*	0.5	0.2	0.3	0.1	0.1	0.5	0.5	0.4
90.	*	0.2	0.1	0.4	0.1	0.1	0.6	0.4	0.2
100.	*	0.0	0.0	0.5	0.4	0.2	0.3	0.1	0.1
110.	*	0.0	0.0	0.5	0.4	0.3	0.1	0.1	0.1
120.	*	0.0	0.0	0.4	0.5	0.3	0.2	0.2	0.1
130.	*	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.1
140.	*	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.2
150.	*	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2
160.	*	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.2
170.	*	0.0	0.0	0.6	0.5	0.5	0.5	0.4	0.2
180.	*	0.0	0.0	0.7	0.4	0.3	0.6	0.2	0.1
190.	*	0.1	0.1	0.4	0.2	0.2	0.3	0.0	0.0
200.	*	0.2	0.1	0.2	0.2	0.2	0.1	0.0	0.0
210.	*	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.0
220.	*	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0
230.	*	0.1	0.1	0.2	0.3	0.2	0.1	0.0	0.0
240.	*	0.1	0.1	0.3	0.3	0.2	0.1	0.0	0.0
250.	*	0.1	0.1	0.4	0.4	0.3	0.0	0.0	0.0
260.	*	0.1	0.1	0.6	0.5	0.3	0.0	0.0	0.0
270.	*	0.1	0.1	0.7	0.2	0.1	0.2	0.0	0.0
280.	*	0.4	0.2	0.4	0.0	0.0	0.2	0.1	0.1
290.	*	0.4	0.3	0.2	0.0	0.0	0.3	0.2	0.2
300.	*	0.5	0.4	0.1	0.0	0.0	0.2	0.2	0.2
310.	*	0.4	0.2	0.1	0.0	0.0	0.3	0.2	0.2
320.	*	0.3	0.3	0.1	0.0	0.0	0.3	0.1	0.1
330.	*	0.3	0.3	0.1	0.0	0.0	0.3	0.1	0.1
340.	*	0.3	0.2	0.1	0.0	0.0	0.3	0.1	0.1
350.	*	0.4	0.3	0.1	0.0	0.0	0.2	0.1	0.1
360.	*	0.3	0.2	0.2	0.0	0.0	0.3	0.1	0.1
MAX	*	0.5	0.4	0.7	0.5	0.5	0.6	0.5	0.4
DEGR.	*	80	300	180	120	170	90	80	80

THE HIGHEST CONCENTRATION OF 0.70 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013lvdwntwn S. MLK and W. Charleston- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 19:20:20

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
	*	X1	Y1	X2	Y2	*								
1. Link_2	*	7.6	-152.4	7.6	-142.8	*	10.	360. AG	334.	100.0	0.0	14.6	0.47	1.6
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	1150.	7.6	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	138.9	*	14.	180. AG	334.	100.0	0.0	14.6	0.64	2.3
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	544.	7.6	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	1130.	7.6	0.0	17.0		
6. Link_12	*	152.4	7.6	138.9	7.6	*	14.	270. AG	155.	100.0	0.0	14.6	0.58	2.3
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	1455.	7.6	0.0	17.0		
8. Link_4	*	-152.4	-7.6	-144.6	-7.6	*	8.	90. AG	193.	100.0	0.0	18.3	0.33	1.3

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)		
1. Link_2	*	60	41	2.0	567	1200	45.50	1	3
3. Link_5	*	60	41	2.0	772	1200	45.50	1	3
6. Link_12	*	60	19	2.0	1711	1200	45.50	1	3
8. Link_4	*	60	19	2.0	1229	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.1	1.0	1.0	
10.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.5	0.5	
20.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.2	0.3	
30.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.2	
40.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.4	0.4	0.4	0.3	0.2	0.0	0.0	0.1	0.3
50.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.3	
60.	*	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.3	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.4	
70.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.1	0.5	
80.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.2	0.0	0.0	0.1	0.7	
90.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.3	0.9	
100.	*	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.5
110.	*	0.2	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.5	0.3	
120.	*	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.4	0.2	
130.	*	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.1	
140.	*	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.1	
150.	*	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.1	
160.	*	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.4	0.1	
170.	*	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.1	0.1	0.0	0.0	0.2	0.2	0.4	0.1	
180.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.6	0.2	
190.	*	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.7	0.3	
200.	*	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.3	0.7	0.3	
210.	*	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.3	0.5	0.2	
220.	*	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.2	
230.	*	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.2	
240.	*	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.2	
250.	*	0.6	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.3	
260.	*	0.6	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.8	0.9	0.3	
270.	*	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.4	1.1	0.4	
280.	*	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.2	0.6	0.8	
290.	*	0.2	0.2	0.2	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.3	0.2	0.4	0.8	
300.	*	0.2	0.2	0.2	0.1	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.3	0.2	0.3	0.8	
310.	*	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.6	
320.	*	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.5	
330.	*	0.3	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.3	0.5	0.4	
340.	*	0.4	0.4	0.3	0.2	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.5	0.6	0.5	
350.	*	0.3	0.1	0.0	0.0	0.6	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.7	0.5	1.0	0.9	
360.	*	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.1	1.0	1.0	
MAX	*	0.6	0.6	0.5	0.4	0.6	0.6	0.5	0.5	0.5	0.5	0.3	0.3	0.4	0.4	0.4	0.4	1.0	0.8	1.1	1.0	
DEGR.	*	250	250	250	250	350	350	340	340	130	130	110	110	10	10	10	20	260	260	270	0	

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)*	* * *	CONCENTRATION (PPM)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.7	0.4	0.3	0.1	0.1	0.6	0.3	0.3
10.	*	0.3	0.2	0.4	0.3	0.2	0.8	0.5	0.5
20.	*	0.3	0.2	0.5	0.3	0.2	0.7	0.6	0.5
30.	*	0.3	0.2	0.4	0.3	0.2	0.6	0.6	0.5
40.	*	0.3	0.3	0.4	0.2	0.2	0.4	0.4	0.4
50.	*	0.3	0.3	0.4	0.2	0.2	0.4	0.3	0.3
60.	*	0.4	0.3	0.4	0.2	0.2	0.4	0.4	0.3
70.	*	0.5	0.4	0.4	0.2	0.2	0.4	0.4	0.4
80.	*	0.8	0.4	0.4	0.2	0.2	0.7	0.7	0.5
90.	*	0.4	0.1	0.6	0.3	0.2	0.8	0.5	0.3
100.	*	0.1	0.0	0.9	0.7	0.4	0.4	0.1	0.1
110.	*	0.0	0.0	0.9	0.8	0.6	0.2	0.1	0.1
120.	*	0.0	0.0	0.8	0.7	0.5	0.1	0.1	0.1
130.	*	0.0	0.0	0.5	0.7	0.6	0.1	0.1	0.1
140.	*	0.0	0.0	0.5	0.5	0.4	0.2	0.2	0.1
150.	*	0.0	0.0	0.5	0.6	0.4	0.2	0.2	0.2
160.	*	0.0	0.0	0.4	0.5	0.5	0.3	0.3	0.3
170.	*	0.0	0.0	0.7	0.7	0.6	0.5	0.4	0.3
180.	*	0.1	0.0	0.7	0.5	0.4	0.5	0.2	0.0
190.	*	0.2	0.1	0.4	0.3	0.3	0.2	0.0	0.0
200.	*	0.1	0.1	0.3	0.3	0.3	0.1	0.0	0.0
210.	*	0.1	0.1	0.3	0.4	0.3	0.1	0.0	0.0
220.	*	0.1	0.1	0.3	0.4	0.3	0.0	0.0	0.0
230.	*	0.1	0.1	0.4	0.4	0.4	0.1	0.0	0.0
240.	*	0.1	0.1	0.5	0.5	0.4	0.0	0.0	0.0
250.	*	0.1	0.1	0.6	0.7	0.5	0.0	0.0	0.0
260.	*	0.1	0.1	0.9	0.9	0.5	0.0	0.0	0.0
270.	*	0.3	0.1	1.1	0.6	0.1	0.1	0.0	0.0
280.	*	0.6	0.3	0.7	0.1	0.0	0.4	0.3	0.1
290.	*	0.7	0.5	0.3	0.0	0.0	0.5	0.4	0.3
300.	*	0.6	0.6	0.2	0.0	0.0	0.4	0.3	0.3
310.	*	0.6	0.4	0.1	0.0	0.0	0.3	0.3	0.3
320.	*	0.6	0.5	0.1	0.0	0.0	0.3	0.3	0.2
330.	*	0.6	0.4	0.2	0.0	0.0	0.4	0.3	0.2
340.	*	0.7	0.5	0.1	0.0	0.0	0.4	0.2	0.2
350.	*	1.0	0.7	0.1	0.0	0.0	0.4	0.2	0.2
360.	*	0.7	0.4	0.3	0.1	0.1	0.6	0.3	0.3
MAX	*	1.0	0.7	1.1	0.9	0.6	0.8	0.7	0.5
DEGR.	*	350	350	270	260	110	10	80	10

THE HIGHEST CONCENTRATION OF 1.10 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013lvdwntwn- S. Grand Central Pkwy and W. Charleston- NO Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 19:20: 3

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	7.6	-152.4	7.6	-150.9	1.	360. AG	199.	100.0	0.0	7.3	0.13	0.2
2. Link_3	7.6	0.0	7.6	152.4	152.	360. AG	21.	7.6	0.0	13.4		
3. Link_5	-7.6	152.4	-7.6	-165.4	318.	180. AG	399.	100.0	0.0	14.6	1.64	53.0
4. Link_7	-7.6	0.0	-7.6	-152.4	152.	180. AG	1013.	7.6	0.0	9.7		
5. Link_10	0.0	-7.6	152.4	-7.6	152.	90. AG	2177.	7.6	0.0	17.0		
6. Link_12	152.4	7.6	144.3	7.6	8.	270. AG	112.	100.0	0.0	18.3	0.49	1.3
7. Link_13	0.0	7.6	-152.4	7.6	152.	270. AG	1893.	7.6	0.0	17.0		
8. Link_4	-152.4	-7.6	-145.3	-7.6	7.	90. AG	112.	100.0	0.0	18.3	0.43	1.2

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
1. Link_2	60	49	2.0	36	1200	45.50	1	3
3. Link_5	60	49	2.0	920	1200	45.50	1	3
6. Link_12	60	11	2.0	2203	1200	45.50	1	3
8. Link_4	60	11	2.0	1945	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.6	0.4	0.3	0.2	0.1	0.0	0.3	0.8
10.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.0	0.5	0.2	0.1	1.7	1.3	1.0	0.8	0.0	0.0	0.0	0.4
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	1.4	1.2	0.8	0.5	1.8	1.5	1.4	1.2	0.0	0.0	0.0	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	1.3	1.1	1.0	0.9	1.5	1.3	1.2	1.1	0.0	0.0	0.0	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	1.1	1.0	0.9	0.8	1.3	1.2	1.1	1.0	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.9	0.8	0.8	0.8	1.3	1.2	1.1	1.1	0.0	0.0	0.0	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	1.0	0.8	0.7	0.7	1.6	1.3	1.2	1.1	0.0	0.0	0.0	0.8
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.2	0.9	0.8	0.7	0.7	1.7	1.4	1.3	1.2	0.0	0.0	0.0	0.9
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.9	0.8	0.7	0.7	1.7	1.4	1.1	1.0	0.0	0.0	0.0	1.4
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.8	0.7	0.7	1.2	1.0	0.8	0.8	0.0	0.0	0.2	1.7
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.0	0.8	0.8	1.1	0.9	0.8	0.8	0.4	0.2	0.6	1.0
110.	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.2	1.1	1.0	1.1	0.9	0.8	0.8	0.6	0.5	0.7	0.5
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	1.5	1.3	1.2	1.0	1.2	0.9	0.8	0.8	0.5	0.4	0.6	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.5	1.3	1.3	1.3	1.1	1.0	0.9	0.9	0.4	0.4	0.5	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.8	1.6	1.4	1.3	1.3	1.2	1.1	0.9	0.4	0.3	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.9	1.6	1.5	1.3	1.5	1.3	1.2	1.1	0.4	0.3	0.4	0.2
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	2.1	1.8	1.7	1.6	1.8	1.4	1.2	0.8	0.4	0.3	0.4	0.2
170.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	2.2	1.7	1.3	1.0	1.4	0.7	0.3	0.1	0.3	0.3	0.4	0.2
180.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.5	0.4	0.2	0.2	0.0	0.0	0.0	0.5	0.4	1.0	0.7
190.	1.1	0.9	0.6	0.4	0.3	0.2	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.8	1.4	2.4	2.1
200.	1.6	1.5	1.4	1.1	1.1	0.9	0.4	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.0	1.7	2.4	2.1
210.	1.5	1.4	1.2	1.1	1.2	1.1	0.9	0.7	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.7	1.6	1.8	1.8
220.	1.0	1.0	1.1	1.0	1.0	0.9	0.9	0.8	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.2	1.5	1.6
230.	1.0	1.1	0.9	0.8	0.9	0.9	0.8	0.7	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.0	1.3	1.5
240.	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.2	1.1	1.5	1.6
250.	1.2	1.1	1.0	0.9	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	1.4	1.4	1.5	1.6
260.	1.3	1.0	0.9	0.8	0.8	0.8	0.7	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.8	1.5	1.8	1.5
270.	0.8	0.7	0.6	0.6	0.8	0.8	0.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.0	2.1	1.7
280.	0.7	0.6	0.6	0.6	1.0	1.0	0.8	0.8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.7	1.5	2.1
290.	0.7	0.6	0.6	0.5	1.2	1.2	1.0	0.9	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.9	0.8	1.2	2.2
300.	0.7	0.7	0.6	0.6	1.3	1.2	1.1	1.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.9	0.8	1.1	2.2
310.	0.8	0.8	0.7	0.6	1.5	1.5	1.2	1.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.9	0.8	1.0	1.9
320.	0.8	0.8	0.7	0.7	1.4	1.4	1.2	1.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	1.0	0.9	1.2	2.0
330.	1.0	0.8	0.7	0.5	1.4	1.3	1.1	1.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.2	1.0	1.4	2.0
340.	0.8	0.5	0.3	0.1	1.5	1.4	1.2	1.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.3	1.1	1.6	2.2
350.	0.2	0.1	0.0	0.0	1.0	0.8	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.9	0.5	1.5	2.1
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.6	0.4	0.3	0.2	0.1	0.0	0.3	0.8
MAX DEGR.	1.6	1.5	1.4	1.1	1.5	1.5	1.2	1.1	2.2	1.8	1.7	1.6	1.8	1.5	1.4	1.2	2.0	1.7	2.4	2.2
	200	200	200	200	310	310	310	310	170	160	160	160	20	20	20	20	200	200	190	290

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.7	0.5	4.6	1.6	0.5	5.1	2.1	1.0
10.	*	0.5	0.4	3.9	3.1	1.8	4.4	3.6	2.4
20.	*	0.5	0.4	2.6	2.5	1.8	3.1	2.9	2.1
30.	*	0.5	0.5	2.0	1.9	1.5	2.4	2.3	1.8
40.	*	0.6	0.5	1.6	1.6	1.3	1.8	2.0	1.6
50.	*	0.7	0.6	1.5	1.4	1.2	1.7	1.8	1.6
60.	*	0.8	0.6	1.4	1.3	1.1	1.8	1.8	1.7
70.	*	1.0	0.8	1.4	1.2	1.0	1.9	2.0	1.8
80.	*	1.4	0.8	1.4	1.2	1.0	2.4	2.5	2.1
90.	*	0.8	0.2	1.5	1.4	1.0	2.6	2.2	1.5
100.	*	0.1	0.0	2.1	2.0	1.4	1.9	1.5	1.2
110.	*	0.0	0.0	2.2	2.2	1.6	1.6	1.4	1.2
120.	*	0.0	0.0	2.3	2.2	1.8	1.5	1.5	1.3
130.	*	0.0	0.0	2.1	2.3	2.0	1.6	1.7	1.4
140.	*	0.0	0.0	2.1	2.3	2.0	1.7	1.9	1.5
150.	*	0.0	0.0	2.6	2.7	2.2	2.3	2.2	1.8
160.	*	0.0	0.0	3.2	3.2	2.5	3.1	2.9	2.1
170.	*	0.0	0.0	4.8	4.2	2.9	4.6	3.7	2.2
180.	*	0.1	0.0	5.7	2.7	1.3	5.5	1.9	0.7
190.	*	1.2	0.7	3.0	0.6	0.4	2.8	0.2	0.0
200.	*	1.6	1.4	1.6	0.4	0.4	1.4	0.0	0.0
210.	*	1.4	1.3	1.1	0.5	0.4	0.8	0.0	0.0
220.	*	1.2	1.1	0.9	0.5	0.4	0.6	0.0	0.0
230.	*	1.1	1.0	1.0	0.6	0.5	0.6	0.0	0.0
240.	*	1.1	0.9	1.1	0.7	0.6	0.4	0.0	0.0
250.	*	1.1	0.9	1.2	0.9	0.7	0.4	0.0	0.0
260.	*	1.0	0.8	1.6	1.2	0.7	0.4	0.0	0.0
270.	*	1.2	0.8	2.0	0.7	0.2	0.6	0.0	0.0
280.	*	1.6	1.1	1.3	0.1	0.0	1.0	0.3	0.2
290.	*	2.0	1.5	0.8	0.0	0.0	1.0	0.5	0.4
300.	*	1.9	1.6	0.7	0.0	0.0	0.9	0.4	0.4
310.	*	1.7	1.6	0.6	0.0	0.0	1.0	0.4	0.3
320.	*	1.8	1.6	0.7	0.0	0.0	1.0	0.3	0.3
330.	*	1.8	1.7	0.9	0.0	0.0	1.2	0.3	0.3
340.	*	1.9	1.6	1.4	0.0	0.0	1.7	0.3	0.3
350.	*	1.7	1.2	2.6	0.2	0.0	2.9	0.5	0.3
360.	*	0.7	0.5	4.6	1.6	0.5	5.1	2.1	1.0
MAX	*	2.0	1.7	5.7	4.2	2.9	5.5	3.7	2.4
DEGR.	*	290	330	180	170	170	180	170	10

THE HIGHEST CONCENTRATION OF 5.70 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013lvdwntwn- S. Main St. and W. Charleston- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 19:19:40

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-136.8	* 16.	360. AG	214.	100.0	0.0	11.0	0.64	2.6
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	809.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	138.4	* 14.	180. AG	214.	100.0	0.0	11.0	0.57	2.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	739.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	1704.	7.6	0.0	17.0		
6. Link_12	* 152.4	7.6	135.6	7.6	* 17.	270. AG	203.	100.0	0.0	14.6	0.65	2.8
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	1579.	7.6	0.0	17.0		
8. Link_4	* -152.4	-7.6	-134.8	-7.6	* 18.	90. AG	203.	100.0	0.0	14.6	0.68	2.9

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
1. Link_2	* 60	35	2.0	802	1200	45.50	1	3
3. Link_5	* 60	35	2.0	722	1200	45.50	1	3
6. Link_12	* 60	25	2.0	1613	1200	45.50	1	3
8. Link_4	* 60	25	2.0	1694	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.7	0.9
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.4	0.5
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.2	0.3
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.4
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.4
50.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.5
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.6
70.	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.2	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.1	0.7
80.	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.7	0.5	0.4	0.3	0.0	0.0	0.1	1.2
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.3	1.3
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.6	0.8
110.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.5	0.4
120.	0.3	0.3	0.2	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.5	0.2
130.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.3	0.3	0.5	0.1
140.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.1	0.1	0.1	0.3	0.3	0.5	0.1
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.2
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.3	0.3	0.2	0.1	0.3	0.3	0.4	0.2
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.4	0.3	0.3	0.1	0.1	0.0	0.0	0.3	0.2	0.5	0.2
180.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.2	0.7	0.3
190.	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.3	0.7	0.4
200.	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.3
210.	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.4	0.6	0.3
220.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.4
230.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3
240.	0.4	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.5	0.5	0.3
250.	0.5	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.6	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.4
260.	0.7	0.5	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.1	0.8	1.1	0.4
270.	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.4	1.2	0.6
280.	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.3	0.1	0.7	0.9
290.	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.2	0.2	0.3	0.9
300.	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.9
310.	0.1	0.1	0.1	0.1	0.5	0.4	0.5	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.7
320.	0.2	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6
330.	0.2	0.2	0.3	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.6
340.	0.3	0.3	0.2	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.3	0.4	0.5
350.	0.2	0.1	0.0	0.0	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.6	0.4	0.7	0.8
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.7	0.9
MAX	0.7	0.5	0.5	0.4	0.6	0.5	0.5	0.4	0.6	0.5	0.5	0.4	0.7	0.5	0.5	0.4	1.1	0.8	1.2	1.3
DEGR.	260	250	250	240	70	70	310	60	170	120	130	110	80	70	70	60	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	0.7	0.4	0.3	0.1	0.0	0.7	0.3	0.2
10.	0.4	0.3	0.3	0.1	0.2	0.8	0.5	0.3
20.	0.4	0.3	0.3	0.2	0.2	0.8	0.6	0.4
30.	0.4	0.4	0.3	0.2	0.2	0.6	0.6	0.5
40.	0.5	0.4	0.4	0.2	0.1	0.5	0.4	0.3
50.	0.5	0.4	0.4	0.1	0.1	0.4	0.4	0.4
60.	0.6	0.5	0.4	0.1	0.1	0.5	0.4	0.5
70.	0.8	0.7	0.5	0.1	0.1	0.6	0.7	0.6
80.	1.2	0.7	0.4	0.1	0.1	1.1	1.2	0.9
90.	0.7	0.2	0.7	0.4	0.1	1.3	0.8	0.4
100.	0.1	0.0	1.0	0.7	0.4	0.7	0.3	0.1
110.	0.0	0.0	0.9	0.9	0.6	0.4	0.2	0.1
120.	0.0	0.0	0.9	0.8	0.6	0.2	0.2	0.2
130.	0.0	0.0	0.7	0.7	0.6	0.2	0.2	0.2
140.	0.0	0.0	0.6	0.6	0.6	0.2	0.2	0.2
150.	0.0	0.0	0.6	0.6	0.5	0.3	0.3	0.2
160.	0.0	0.0	0.5	0.6	0.5	0.4	0.3	0.3
170.	0.0	0.0	0.8	0.9	0.7	0.6	0.5	0.3
180.	0.1	0.0	0.8	0.6	0.4	0.6	0.2	0.1
190.	0.2	0.2	0.5	0.4	0.3	0.3	0.0	0.0
200.	0.2	0.2	0.3	0.4	0.3	0.2	0.0	0.0
210.	0.2	0.1	0.3	0.4	0.3	0.1	0.0	0.0
220.	0.1	0.1	0.4	0.4	0.4	0.1	0.0	0.0
230.	0.1	0.1	0.4	0.5	0.4	0.1	0.0	0.0
240.	0.1	0.1	0.5	0.6	0.5	0.1	0.0	0.0
250.	0.1	0.1	0.7	0.8	0.7	0.1	0.0	0.0
260.	0.1	0.1	1.1	1.1	0.7	0.1	0.0	0.0
270.	0.4	0.1	1.2	0.6	0.2	0.3	0.1	0.1
280.	0.8	0.4	0.7	0.1	0.0	0.6	0.4	0.2
290.	0.8	0.6	0.4	0.0	0.0	0.5	0.4	0.3
300.	0.9	0.6	0.2	0.0	0.0	0.4	0.4	0.3
310.	0.7	0.6	0.1	0.0	0.0	0.5	0.3	0.3
320.	0.6	0.7	0.1	0.0	0.0	0.4	0.3	0.2
330.	0.6	0.6	0.2	0.0	0.0	0.4	0.3	0.2
340.	0.6	0.5	0.2	0.0	0.0	0.4	0.3	0.2
350.	0.9	0.7	0.2	0.0	0.0	0.5	0.2	0.2
360.	0.7	0.4	0.3	0.1	0.0	0.7	0.3	0.2
MAX	1.2	0.7	1.2	1.1	0.7	1.3	1.2	0.9
DEGR.	80	70	270	260	170	90	80	80

THE HIGHEST CONCENTRATION OF 1.30 PPM OCCURRED AT RECEPTOR REC26.

JOB: 2013lvdwntwn- S. MLK and I-15 SB ON-Ramps- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 19:19:20

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-150.1	*	2.	360. AG	73.	100.0	0.0	7.3	0.10 0.4	
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	114.	7.6	0.0	9.7		
3. Link_5	*	-7.6	152.4	-7.6	149.0	*	3.	180. AG	0.	100.0	0.0	7.3	0.74 0.6	
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	146.	7.6	0.0	9.7		
5. Link_10	*	7.6	0.0	152.4	0.0	*	145.	90. AG	1562.	7.6	0.0	13.4		

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)		
1. Link_2	*	60	18	2.0	155	1200	45.50	1	3
3. Link_5	*	60	0	2.0	1667	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
30.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.5
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.5
70.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.7
80.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.8
90.	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	0.0	0.0	0.0	0.1	0.0	0.3	0.3
100.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.8	0.0
110.	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.0
120.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.0
130.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.0
140.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.0
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.0
180.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.0
190.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.0
200.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0
210.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0
220.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
230.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
290.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
320.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
340.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
350.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.4
360.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4
MAX	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.5	0.4	0.8	0.8
DEGR.	110	120	110	120	40	40	0	0	110	110	110	110	70	60	70	70	100	110	100	80

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	*	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.	*	0.4	0.3	0.0	0.0	0.0	0.1	0.1	0.1	0.1
60.	*	0.4	0.4	0.0	0.0	0.0	0.3	0.3	0.3	0.3
70.	*	0.5	0.4	0.0	0.0	0.0	0.5	0.5	0.4	0.4
80.	*	0.5	0.3	0.0	0.0	0.0	0.7	0.5	0.4	0.4
90.	*	0.1	0.0	0.4	0.2	0.1	0.4	0.2	0.1	0.1
100.	*	0.0	0.0	0.7	0.5	0.4	0.0	0.0	0.0	0.0
110.	*	0.0	0.0	0.5	0.5	0.4	0.0	0.0	0.0	0.0
120.	*	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0
130.	*	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
140.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
160.	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
170.	*	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0
180.	*	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
190.	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
200.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
290.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
320.	*	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.	*	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
340.	*	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
350.	*	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.	*	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	*	0.5	0.4	0.7	0.5	0.4	0.7	0.5	0.4	0.4
DEGR.	*	70	60	100	100	100	80	70	70	

THE HIGHEST CONCENTRATION OF 0.80 PPM OCCURRED AT RECEPTOR REC20.

Downtown Alternative- With Project Output-2013

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221

JOB: 2013dwtwn E. Bonneville and N. Main St DEMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 0:39

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-134.3	* 18.	360. AG	153.	100.0	0.0	11.0	0.70	3.0
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1330.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	138.6	* 14.	180. AG	153.	100.0	0.0	11.0	0.53	2.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	968.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	909.	7.6	0.0	9.7		
6. Link_12	* 152.4	7.6	124.1	7.6	* 28.	270. AG	142.	100.0	0.0	7.3	0.85	4.7
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	695.	7.6	0.0	9.7		
8. Link_4	* -152.4	-7.6	-134.5	-7.6	* 18.	90. AG	214.	100.0	0.0	11.0	0.70	3.0

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
1. Link_2	* 60	25	2.0	1305	1200	45.50	1	3
3. Link_5	* 60	25	2.0	993	1200	45.50	1	3
6. Link_12	* 60	35	2.0	718	1200	45.50	1	3
8. Link_4	* 60	35	2.0	886	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.1	1.1	1.1	
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.6	0.5
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.3	0.3	
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.2	0.2	
40.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.0	0.0	0.1	0.3	
50.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.3	
60.	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.2	0.0	0.0	0.1	0.4	
70.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.2	0.2	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.5	
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.2	0.2	0.1	0.5	0.4	0.2	0.2	0.0	0.0	0.1	0.9	
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.9	
100.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.4	
110.	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.4	0.1	
120.	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.1	
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.1	
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.3	0.1	
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.1	0.1	0.4	0.0	
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.1	0.1	0.1	0.4	0.0	
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.5	0.0	
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.7	0.2	
190.	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.7	0.3	
200.	0.3	0.3	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.3	0.7	0.3	
210.	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.2	
220.	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.3	
230.	0.3	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	
240.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.3	
250.	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.3	
260.	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.6	0.8	0.4	
270.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.8	0.6	
280.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.3	0.2	0.4	0.7	
290.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.3	0.3	0.3	0.7	
300.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.6	
310.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.4	
320.	0.3	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.5	
330.	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.5	0.5	
340.	0.5	0.4	0.2	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.4	0.6	0.5	
350.	0.3	0.1	0.0	0.0	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.9	0.4	1.0	0.9	
360.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.1	1.1	1.1	
MAX	0.5	0.4	0.4	0.3	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.5	0.4	0.3	0.3	0.9	0.6	1.1	1.1	
DEGR.	260	220	230	220	340	340	340	340	100	100	120	130	80	70	20	20	350	260	0	0	

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.4	0.2	0.0	0.0	0.4	0.1	0.1	
10.	*	0.2	0.2	0.4	0.2	0.2	0.7	0.5	0.3	
20.	*	0.2	0.2	0.4	0.3	0.3	0.7	0.7	0.4	
30.	*	0.2	0.2	0.3	0.3	0.3	0.7	0.6	0.5	
40.	*	0.2	0.2	0.3	0.3	0.2	0.6	0.5	0.4	
50.	*	0.3	0.2	0.3	0.2	0.2	0.4	0.4	0.4	
60.	*	0.3	0.2	0.4	0.2	0.2	0.4	0.4	0.3	
70.	*	0.4	0.4	0.3	0.2	0.2	0.4	0.5	0.5	
80.	*	0.6	0.4	0.4	0.2	0.2	0.8	0.8	0.6	
90.	*	0.2	0.1	0.6	0.3	0.2	0.8	0.5	0.3	
100.	*	0.0	0.0	0.7	0.4	0.4	0.4	0.2	0.2	
110.	*	0.0	0.0	0.7	0.5	0.4	0.2	0.2	0.2	
120.	*	0.0	0.0	0.5	0.5	0.5	0.2	0.2	0.2	
130.	*	0.0	0.0	0.5	0.5	0.3	0.2	0.3	0.2	
140.	*	0.0	0.0	0.3	0.4	0.3	0.3	0.3	0.2	
150.	*	0.0	0.0	0.4	0.3	0.3	0.4	0.4	0.3	
160.	*	0.0	0.0	0.4	0.5	0.4	0.5	0.4	0.3	
170.	*	0.0	0.0	0.7	0.7	0.6	0.8	0.6	0.4	
180.	*	0.1	0.0	0.9	0.5	0.2	0.8	0.3	0.1	
190.	*	0.2	0.2	0.4	0.1	0.1	0.4	0.0	0.0	
200.	*	0.2	0.2	0.3	0.2	0.1	0.2	0.0	0.0	
210.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
220.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
230.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	
240.	*	0.2	0.1	0.3	0.2	0.2	0.1	0.0	0.0	
250.	*	0.2	0.1	0.4	0.3	0.3	0.1	0.0	0.0	
260.	*	0.1	0.1	0.7	0.5	0.3	0.1	0.0	0.0	
270.	*	0.2	0.1	0.7	0.2	0.1	0.2	0.1	0.1	
280.	*	0.2	0.3	0.3	0.0	0.0	0.3	0.2	0.2	
290.	*	0.5	0.3	0.1	0.0	0.0	0.3	0.2	0.1	
300.	*	0.4	0.3	0.1	0.0	0.0	0.3	0.1	0.1	
310.	*	0.3	0.4	0.0	0.0	0.0	0.2	0.1	0.1	
320.	*	0.4	0.4	0.0	0.0	0.0	0.2	0.1	0.1	
330.	*	0.4	0.4	0.0	0.0	0.0	0.2	0.1	0.1	
340.	*	0.6	0.6	0.0	0.0	0.0	0.3	0.1	0.1	
350.	*	0.9	0.7	0.0	0.0	0.0	0.3	0.1	0.1	
360.	*	0.6	0.4	0.2	0.0	0.0	0.4	0.1	0.1	
MAX	*	0.9	0.7	0.9	0.7	0.6	0.8	0.8	0.6	
DEGR.	*	350	350	180	170	170	80	80	80	

THE HIGHEST CONCENTRATION OF 1.10 PPM OCCURRED AT RECEPTOR REC19.

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221

JOB: 2013lvdwntwn E. Bonneville and N. Main St EMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 1: 2

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-134.0	* 18.	360. AG	146.	100.0	0.0	11.0	0.72	3.1
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1401.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	138.7	* 14.	180. AG	146.	100.0	0.0	11.0	0.53	2.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1001.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	931.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	117.6	7.6	* 35.	270. AG	146.	100.0	0.0	11.0	0.91	5.8
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	709.	7.6	0.0	9.7		
8. Link_4	* -152.4	-7.6	-132.2	-7.6	* 20.	90. AG	220.	100.0	0.0	11.0	0.75	3.4

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
1. Link_2	* 60	24	2.0	1385	1200	45.50	1	3
3. Link_5	* 60	24	2.0	1026	1200	45.50	1	3
6. Link_12	* 60	36	2.0	728	1200	45.50	1	3
8. Link_4	* 60	36	2.0	903	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

MODEL RESULTS

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

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR) *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.1	1.2	1.2
10.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.6	0.6
20.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.3	0.3
30.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.1	0.5	0.3	0.3	0.3	0.0	0.0	0.2	0.2
40.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.2
50.	*	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.2
60.	*	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.3
70.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.1	0.2	0.2	0.1	0.1	0.4	0.5	0.4	0.3	0.0	0.0	0.1	0.4
80.	*	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.2	0.2	0.1	0.5	0.4	0.3	0.2	0.0	0.0	0.1	0.7
90.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.7
100.	*	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.4	0.3
110.	*	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.2
120.	*	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.1	0.3	0.1
130.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.1
140.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1
150.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.1	0.1	0.3	0.1
160.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.1	0.1	0.1	0.3	0.1
170.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.4	0.1
180.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.6	0.3
190.	*	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.7	0.4
200.	*	0.3	0.3	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.3	0.7	0.3
210.	*	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.8	0.3
220.	*	0.3	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.3
230.	*	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3
240.	*	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.3
250.	*	0.4	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.3
260.	*	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.7	0.8	0.4
270.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.8	0.5
280.	*	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.3	0.3	0.4	0.6
290.	*	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.3	0.3	0.3	0.6
300.	*	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.5
310.	*	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.3
320.	*	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.4
330.	*	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.5
340.	*	0.5	0.4	0.2	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.5	0.7	0.5
350.	*	0.3	0.1	0.1	0.0	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.9	0.5	1.0	0.9
360.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.1	1.2	1.2
MAX	*	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.5	0.5	0.4	0.3	0.9	0.7	1.2	1.2
DEGR.	*	260	210	230	250	340	340	340	340	100	100	100	120	30	70	70	20	350	260	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)							
(DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.3	0.1	0.0	0.0	0.4	0.1	0.1
10.	*	0.2	0.1	0.4	0.2	0.1	0.7	0.5	0.3
20.	*	0.2	0.1	0.4	0.4	0.3	0.7	0.7	0.4
30.	*	0.2	0.2	0.4	0.3	0.3	0.8	0.6	0.5
40.	*	0.2	0.2	0.3	0.3	0.2	0.6	0.6	0.4
50.	*	0.2	0.2	0.3	0.2	0.2	0.4	0.5	0.3
60.	*	0.3	0.2	0.4	0.2	0.2	0.4	0.4	0.3
70.	*	0.4	0.4	0.4	0.2	0.2	0.4	0.4	0.4
80.	*	0.5	0.3	0.4	0.2	0.2	0.7	0.7	0.6
90.	*	0.2	0.1	0.6	0.3	0.3	0.8	0.4	0.3
100.	*	0.0	0.0	0.6	0.5	0.4	0.4	0.2	0.2
110.	*	0.0	0.0	0.6	0.5	0.4	0.2	0.2	0.2
120.	*	0.0	0.0	0.5	0.5	0.4	0.2	0.2	0.2
130.	*	0.0	0.0	0.5	0.4	0.3	0.3	0.3	0.2
140.	*	0.0	0.0	0.3	0.4	0.3	0.3	0.3	0.2
150.	*	0.0	0.0	0.4	0.4	0.3	0.4	0.4	0.3
160.	*	0.0	0.0	0.4	0.5	0.4	0.5	0.5	0.3
170.	*	0.0	0.0	0.7	0.8	0.5	0.8	0.7	0.4
180.	*	0.1	0.0	0.9	0.5	0.2	0.9	0.3	0.1
190.	*	0.2	0.2	0.5	0.2	0.1	0.5	0.0	0.0
200.	*	0.3	0.2	0.3	0.2	0.1	0.2	0.0	0.0
210.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0
220.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0
230.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
240.	*	0.2	0.1	0.3	0.2	0.2	0.1	0.0	0.0
250.	*	0.2	0.1	0.4	0.3	0.3	0.1	0.0	0.0
260.	*	0.2	0.1	0.7	0.5	0.3	0.1	0.0	0.0
270.	*	0.3	0.2	0.7	0.2	0.1	0.2	0.1	0.1
280.	*	0.4	0.3	0.3	0.0	0.0	0.3	0.2	0.2
290.	*	0.5	0.3	0.1	0.0	0.0	0.3	0.2	0.1
300.	*	0.5	0.3	0.1	0.0	0.0	0.3	0.2	0.1
310.	*	0.4	0.3	0.0	0.0	0.0	0.3	0.1	0.1
320.	*	0.4	0.4	0.0	0.0	0.0	0.2	0.1	0.1
330.	*	0.4	0.4	0.0	0.0	0.0	0.2	0.1	0.1
340.	*	0.6	0.5	0.0	0.0	0.0	0.3	0.1	0.1
350.	*	0.9	0.6	0.0	0.0	0.0	0.3	0.1	0.1
360.	*	0.6	0.3	0.1	0.0	0.0	0.4	0.1	0.1
MAX	*	0.9	0.6	0.9	0.8	0.5	0.9	0.7	0.6
DEGR.	*	350	350	180	170	170	180	20	80

THE HIGHEST CONCENTRATION OF 1.20 PPM OCCURRED AT RECEPTOR REC19.

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221

JOB: 2013lvdwntwn W. Bonneville and S. MLK DEMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 1:19

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)	(VEH)		
1. Link_2	*	7.6	-152.4	7.6	-142.2	*	10.	360. AG	177.	100.0	0.0	11.0	0.39	1.7
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	683.	7.6	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	136.8	*	16.	180. AG	177.	100.0	0.0	11.0	0.60	2.6
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	926.	7.6	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	857.	7.6	0.0	13.4		
6. Link_12	*	152.4	7.6	137.3	7.6	*	15.	270. AG	189.	100.0	0.0	11.0	0.59	2.5
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	700.	7.6	0.0	13.4		
8. Link_4	*	-152.4	-7.6	-140.6	-7.6	*	12.	90. AG	189.	100.0	0.0	11.0	0.46	2.0

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)		
1. Link_2	*	60	29	2.0	633	1200	45.50	1	3
3. Link_5	*	60	29	2.0	968	1200	45.50	1	3
6. Link_12	*	60	31	2.0	880	1200	45.50	1	3
8. Link_4	*	60	31	2.0	685	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.6	0.7
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.3	0.4
20.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.1	0.2
30.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.2
40.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
50.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.2	0.2	0.2	0.0	0.0	0.1	0.2
60.	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.3
70.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.4
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.7
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.0	0.3	0.7
100.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.4
110.	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.2
120.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.3	0.1
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.1
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.1	0.1	0.3	0.1
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.1
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.2	0.1
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.2
190.	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.2	0.6	0.4
200.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.4
210.	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.3
220.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.2	0.4	0.3
230.	0.3	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
240.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.4	0.3
250.	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3
260.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.5	0.4
270.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.6	0.5
280.	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.1	0.3	0.6
290.	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.6
300.	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.5
310.	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.3
320.	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3
330.	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4
340.	0.3	0.2	0.2	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.4
350.	0.1	0.1	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.3	0.6	0.6
360.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.6	0.7
MAX	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.6	0.4	0.6	0.7
DEGR.	200	200	220	220	70	70	60	310	160	110	150	160	50	70	70	70	260	210	0	80

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.4	0.3	0.2	0.1	0.0	0.5	0.1	0.1
10.	*	0.2	0.2	0.2	0.1	0.2	0.5	0.4	0.2
20.	*	0.2	0.2	0.2	0.2	0.1	0.5	0.5	0.3
30.	*	0.2	0.2	0.2	0.2	0.1	0.6	0.4	0.3
40.	*	0.2	0.2	0.3	0.1	0.1	0.3	0.3	0.3
50.	*	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.4
60.	*	0.3	0.2	0.2	0.1	0.1	0.4	0.3	0.3
70.	*	0.4	0.3	0.2	0.1	0.1	0.4	0.5	0.5
80.	*	0.6	0.4	0.2	0.1	0.1	0.7	0.7	0.6
90.	*	0.2	0.1	0.5	0.1	0.1	0.8	0.5	0.3
100.	*	0.0	0.0	0.6	0.4	0.2	0.4	0.2	0.2
110.	*	0.0	0.0	0.6	0.4	0.3	0.2	0.2	0.2
120.	*	0.0	0.0	0.5	0.5	0.4	0.2	0.2	0.2
130.	*	0.0	0.0	0.4	0.4	0.2	0.2	0.2	0.2
140.	*	0.0	0.0	0.3	0.4	0.4	0.3	0.3	0.2
150.	*	0.0	0.0	0.4	0.3	0.3	0.4	0.3	0.3
160.	*	0.0	0.0	0.3	0.5	0.4	0.4	0.4	0.3
170.	*	0.0	0.0	0.6	0.7	0.5	0.7	0.5	0.3
180.	*	0.0	0.0	0.7	0.5	0.2	0.8	0.3	0.1
190.	*	0.2	0.1	0.3	0.2	0.1	0.4	0.0	0.0
200.	*	0.2	0.2	0.2	0.2	0.1	0.2	0.0	0.0
210.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
220.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
230.	*	0.2	0.1	0.2	0.2	0.2	0.1	0.0	0.0
240.	*	0.1	0.1	0.3	0.3	0.2	0.1	0.0	0.0
250.	*	0.2	0.1	0.3	0.3	0.2	0.1	0.0	0.0
260.	*	0.1	0.1	0.6	0.5	0.2	0.1	0.0	0.0
270.	*	0.1	0.1	0.6	0.2	0.1	0.2	0.0	0.0
280.	*	0.4	0.2	0.3	0.0	0.0	0.3	0.1	0.2
290.	*	0.4	0.3	0.1	0.0	0.0	0.3	0.2	0.1
300.	*	0.5	0.3	0.1	0.0	0.0	0.3	0.2	0.1
310.	*	0.3	0.4	0.0	0.0	0.0	0.3	0.1	0.1
320.	*	0.3	0.3	0.1	0.0	0.0	0.2	0.1	0.1
330.	*	0.3	0.3	0.1	0.0	0.0	0.2	0.1	0.1
340.	*	0.4	0.4	0.1	0.0	0.0	0.3	0.1	0.1
350.	*	0.7	0.6	0.1	0.0	0.0	0.3	0.1	0.1
360.	*	0.4	0.3	0.2	0.1	0.0	0.5	0.1	0.1
MAX	*	0.7	0.6	0.7	0.7	0.5	0.8	0.7	0.6
DEGR.	*	350	350	180	170	170	90	80	80

THE HIGHEST CONCENTRATION OF 0.80 PPM OCCURRED AT RECEPTOR REC26.

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221

JOB: 2013lvdwntwn W. Bonneville and S. MLK EMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 1:36

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-144.5	* 8.	360.	AG	244.	100.0	0.0	11.0	0.30	1.3
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360.	AG	683.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	140.3	* 12.	180.	AG	244.	100.0	0.0	11.0	0.47	2.0
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180.	AG	926.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90.	AG	700.	7.6	0.0	13.4		
6. Link_12	* 152.4	7.6	140.7	7.6	* 12.	270.	AG	184.	100.0	0.0	11.0	0.45	1.9
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270.	AG	874.	7.6	0.0	13.4		
8. Link_4	* -152.4	-7.6	-145.4	-7.6	* 7.	90.	AG	307.	100.0	0.0	11.0	0.27	1.2

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
1. Link_2	* 60	30	2.0	633	1200	45.50	1	3
3. Link_5	* 60	30	2.0	968	1200	45.50	1	3
6. Link_12	* 60	30	2.0	702	1200	45.80	1	3
8. Link_4	* 60	30	2.0	702	1200	45.80	1	3

RECEPTOR LOCATIONS

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RECEPTOR          *          COORDINATES (M)          *
                   *          X            Y            Z            *
-----*-----*-----*-----*-----*-----*-----*
1. Rcpt_1           *           29.0           29.0           1.8           *
2. Rcpt_2           *           35.1           35.1           1.8           *
3. Rcpt_3           *           41.1           41.1           1.8           *
4. Rcpt_4           *           47.2           47.2           1.8           *
5. Rcpt_5           *           29.0           -29.0          1.8           *
6. Rcpt_6           *           32.0           -32.0          1.8           *
7. Rcpt_7           *           41.1           -41.1          1.8           *
8. Rcpt_8           *           47.2           -47.2          1.8           *
9. Rcpt_9           *          -29.0           29.0           1.8           *
10. Rcpt_10         *          -35.1           35.1           1.8           *
11. Rcpt_11         *          -41.1           41.1           1.8           *
12. Rcpt_12         *          -47.2           47.2           1.8           *
13. Rcpt_13         *          -29.0           -29.0          1.8           *
14. Rcpt_14         *          -35.1           -35.1          1.8           *
15. Rcpt_15         *          -41.1           -41.1          1.8           *
16. Rcpt_16         *          -47.2           -47.2          1.8           *
17. Rcpt_17         *            16.8           16.8           1.8           *
18. Rcpt_18         *            22.9           22.9           1.8           *
19. Rcpt_19         *            10.7           10.7           1.8           *
20. Rcpt_20         *            10.7           -10.7          1.8           *
21. Rcpt_21         *            16.8           -16.8          1.8           *
22. Rcpt_22         *            22.9           -22.9          1.8           *
23. Rcpt_23         *           -10.7           10.7           1.8           *
24. Rcpt_24         *           -16.8           16.8           1.8           *
25. Rcpt_25         *           -22.9           22.9           1.8           *
26. Rcpt_26         *           -10.7           -10.7          1.8           *
27. Rcpt_27         *           -16.8           -16.8          1.8           *
28. Rcpt_28         *           -22.9           -22.9          1.8           *

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MODEL RESULTS

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

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR) *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.6	0.6
10.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.3	0.3
20.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.1	0.2
30.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.2
40.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.2
50.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.1	0.2	0.2	0.0	0.0	0.1	0.2
60.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.3
70.	*	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.3
80.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.5
90.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.2	0.6
100.	*	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3
110.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1
120.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1
130.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.0
140.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1
150.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.2	0.3	0.1	0.1	0.2	0.1	
160.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.1
170.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.2	0.1
180.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.2
190.	*	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.2	0.6	0.3
200.	*	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.3
210.	*	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.2
220.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.2	0.4	0.3
230.	*	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.4	0.3	0.3
240.	*	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.3
250.	*	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3
260.	*	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.6	0.3
270.	*	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.7	0.5
280.	*	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.1	0.3	0.7
290.	*	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.7
300.	*	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.5
310.	*	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.4
320.	*	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3
330.	*	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4
340.	*	0.3	0.2	0.2	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.3
350.	*	0.1	0.1	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.3	0.6	0.6
360.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.6	0.6
MAX	*	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.7	0.4	0.7	0.7
DEGR.	*	200	200	230	250	70	70	310	310	160	150	150	160	50	40	40	40	260	210	270	280

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.4	0.2	0.2	0.1	0.0	0.6	0.1	0.1
10.	*	0.2	0.1	0.3	0.1	0.2	0.6	0.4	0.2
20.	*	0.2	0.1	0.3	0.2	0.1	0.5	0.5	0.3
30.	*	0.2	0.2	0.3	0.2	0.1	0.6	0.4	0.3
40.	*	0.2	0.2	0.3	0.1	0.1	0.3	0.3	0.3
50.	*	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3
60.	*	0.3	0.2	0.2	0.1	0.1	0.4	0.3	0.3
70.	*	0.3	0.2	0.2	0.1	0.1	0.4	0.4	0.4
80.	*	0.5	0.2	0.3	0.1	0.1	0.6	0.6	0.5
90.	*	0.2	0.1	0.4	0.1	0.1	0.7	0.4	0.3
100.	*	0.0	0.0	0.5	0.4	0.2	0.4	0.2	0.2
110.	*	0.0	0.0	0.5	0.4	0.3	0.2	0.2	0.2
120.	*	0.0	0.0	0.5	0.5	0.3	0.2	0.2	0.2
130.	*	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.2
140.	*	0.0	0.0	0.3	0.4	0.4	0.3	0.3	0.2
150.	*	0.0	0.0	0.4	0.3	0.4	0.4	0.3	0.3
160.	*	0.0	0.0	0.4	0.5	0.5	0.4	0.4	0.3
170.	*	0.0	0.0	0.7	0.7	0.6	0.7	0.5	0.3
180.	*	0.0	0.0	0.8	0.5	0.3	0.8	0.3	0.1
190.	*	0.2	0.1	0.4	0.2	0.2	0.4	0.0	0.0
200.	*	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
210.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
220.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
230.	*	0.2	0.1	0.2	0.3	0.2	0.1	0.0	0.0
240.	*	0.1	0.1	0.3	0.3	0.2	0.1	0.0	0.0
250.	*	0.2	0.1	0.4	0.4	0.3	0.1	0.0	0.0
260.	*	0.1	0.1	0.6	0.6	0.3	0.1	0.0	0.0
270.	*	0.1	0.1	0.8	0.2	0.1	0.3	0.0	0.0
280.	*	0.4	0.2	0.4	0.0	0.0	0.3	0.1	0.2
290.	*	0.4	0.3	0.2	0.0	0.0	0.4	0.2	0.2
300.	*	0.5	0.4	0.1	0.0	0.0	0.3	0.2	0.2
310.	*	0.4	0.3	0.1	0.0	0.0	0.3	0.2	0.2
320.	*	0.3	0.3	0.1	0.0	0.0	0.3	0.1	0.1
330.	*	0.3	0.2	0.1	0.0	0.0	0.3	0.1	0.1
340.	*	0.4	0.3	0.1	0.0	0.0	0.4	0.1	0.1
350.	*	0.7	0.5	0.1	0.0	0.0	0.4	0.1	0.1
360.	*	0.4	0.2	0.2	0.1	0.0	0.6	0.1	0.1
MAX	*	0.7	0.5	0.8	0.7	0.6	0.8	0.6	0.5
DEGR.	*	350	350	180	170	170	180	80	80

THE HIGHEST CONCENTRATION OF 0.80 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013lvdwntwn S. MLK and W. Charleston DEMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 16: 2:10

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

SITE & METEOROLOGICAL VARIABLES

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-----
VS =  0.0 CM/S      VD =  0.0 CM/S      Z0 = 100. CM
U =  1.0 M/S      CLAS =  6 (F)      ATIM = 60. MINUTES      MIXH = 1000. M      AMB =  0.0 PPM

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LINK VARIABLES

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LINK DESCRIPTION  *          LINK COORDINATES (M)          *      LENGTH  BRG TYPE  VPH   EF      H   W   V/C QUEUE
                  *      X1      Y1      X2      Y2      *      (M)      (DEG)      (G/MI)  (M) (M)  (VEH)
-----
1. Link_2         *       7.6   -152.4   7.6   -139.3 *       13.   360. AG   250. 100.0   0.0 11.0 0.63  2.2
2. Link_3         *       7.6     0.0   7.6   152.4 *      152.   360. AG  1259.  7.6   0.0 13.4
3. Link_5         *      -7.6   152.4  -7.6   30.3  *      122.   180. AG   250. 100.0   0.0 11.0 1.08  20.3
4. Link_7         *      -7.6     0.0  -7.6  -152.4 *      152.   180. AG   544.  7.6   0.0 13.4
5. Link_10        *       0.0   -7.6   152.4  -7.6  *      152.    90. AG  1243.  7.6   0.0 17.0
6. Link_12        *     152.4   7.6   114.6   7.6  *       38.   270. AG   293. 100.0   0.0 14.6 0.88  6.3
7. Link_13        *       0.0   7.6  -152.4   7.6  *      152.   270. AG  1710.  7.6   0.0 17.0
8. Link_4         *    -152.4  -7.6  -143.9  -7.6  *       8.    90. AG   193. 100.0   0.0 18.3 0.36  1.4

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ADDITIONAL QUEUE LINK PARAMETERS

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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)
-----
1. Link_2         *       60    41    2.0     567     1200     45.50   1       3
3. Link_5         *       60    41    2.0     973     1200     45.50   1       3
6. Link_12        *       60    36    2.0    1874     1600     45.50   1       3
8. Link_4         *       60    19    2.0    1342     1200     45.50   1       3

```

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.5	0.1	1.3	1.3
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.6	0.3	0.1	0.0	1.1	0.9	0.8	0.5	0.0	0.0	0.6	0.5
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.1	0.8	0.6	0.3	1.0	0.9	0.9	0.9	0.0	0.0	0.3	0.4
30.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.0	0.9	0.8	0.6	0.5	0.5	0.6	0.6	0.0	0.0	0.1	0.3
40.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.9	0.8	0.7	0.7	0.4	0.4	0.4	0.2	0.0	0.0	0.1	0.3
50.	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.4	0.8	0.8	0.7	0.5	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.4
60.	0.0	0.0	0.0	0.0	0.4	0.5	0.5	0.5	0.7	0.7	0.7	0.5	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.4
70.	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.2	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.0	0.0	0.1	0.6
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.6	0.7	0.5	0.5	0.7	0.6	0.4	0.3	0.0	0.0	0.2	1.1
90.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.5	0.5	0.2	0.1	0.1	0.1	0.3	0.2	0.5	1.1
100.	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.7	0.8	0.7	0.1	0.1	0.1	0.1	0.4	0.4	0.6	0.6
110.	0.4	0.4	0.5	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.7	0.1	0.1	0.1	0.1	0.3	0.4	0.5	0.3
120.	0.2	0.2	0.3	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.4	0.1	0.1	0.1	0.1	0.3	0.3	0.4	0.2
130.	0.2	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.1
140.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.1
150.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.5	0.1
160.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.4	0.1
170.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.4	0.3	0.3	0.1	0.1	0.0	0.0	0.2	0.2	0.5	0.1
180.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.6	0.2
190.	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.7	0.3
200.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.3	0.7	0.3
210.	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.4	0.5	0.2
220.	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.2
230.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.3
240.	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.6	0.6	0.3
250.	0.7	0.6	0.6	0.6	0.1	0.1	0.1	0.1	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.3
260.	0.7	0.7	0.7	0.7	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.2	0.9	1.1	0.3
270.	0.5	0.6	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	1.4	0.5
280.	0.6	0.6	0.6	0.5	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.3	0.8	0.9
290.	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.1	0.4	0.5	0.5	0.8
300.	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.6	0.8	0.3	0.8
310.	0.7	0.6	0.6	0.6	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.8	0.8	0.4	0.6
320.	0.8	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.0	0.9	0.8	0.7
330.	0.9	0.8	0.6	0.5	0.7	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.2	0.9	1.2	0.7
340.	0.8	0.6	0.4	0.2	1.1	1.1	1.0	0.9	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.4	1.1	1.6	1.2
350.	0.3	0.1	0.0	0.0	0.9	0.8	0.6	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.2	0.7	1.8	1.8
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.5	0.1	1.3	1.3
MAX	0.9	0.8	0.7	0.7	1.1	1.1	1.0	0.9	1.1	0.9	0.8	0.7	1.1	0.9	0.9	0.9	1.4	1.1	1.8	1.8
DEGR.	330	330	260	260	340	340	340	340	20	30	30	110	10	10	20	20	340	340	350	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0. *	0.8	0.4	2.1	0.8	0.3	1.7	1.1	0.6
10. *	0.3	0.2	1.9	1.9	1.1	1.5	1.5	1.3
20. *	0.3	0.2	0.9	1.5	1.4	0.9	0.9	0.9
30. *	0.3	0.3	0.5	1.0	1.1	0.6	0.6	0.6
40. *	0.3	0.3	0.5	0.5	0.9	0.5	0.4	0.4
50. *	0.4	0.3	0.4	0.3	0.8	0.4	0.3	0.3
60. *	0.4	0.4	0.4	0.2	0.6	0.4	0.4	0.3
70. *	0.7	0.7	0.5	0.2	0.4	0.4	0.5	0.6
80. *	1.1	0.6	0.5	0.2	0.2	0.9	0.9	0.8
90. *	0.6	0.1	0.9	0.5	0.3	1.0	0.6	0.3
100. *	0.1	0.0	1.0	0.9	0.6	0.5	0.2	0.1
110. *	0.0	0.0	0.9	0.8	0.6	0.2	0.1	0.1
120. *	0.0	0.0	0.8	0.9	0.6	0.1	0.1	0.1
130. *	0.0	0.0	0.8	0.7	0.6	0.1	0.1	0.1
140. *	0.0	0.0	0.6	0.5	0.5	0.2	0.2	0.1
150. *	0.0	0.0	0.5	0.6	0.5	0.2	0.2	0.2
160. *	0.0	0.0	0.4	0.6	0.5	0.3	0.3	0.3
170. *	0.0	0.0	0.7	0.8	0.6	0.5	0.4	0.3
180. *	0.1	0.0	0.7	0.6	0.4	0.5	0.2	0.0
190. *	0.2	0.1	0.4	0.4	0.3	0.2	0.0	0.0
200. *	0.1	0.1	0.3	0.4	0.3	0.1	0.0	0.0
210. *	0.1	0.1	0.4	0.4	0.4	0.1	0.0	0.0
220. *	0.1	0.1	0.4	0.5	0.4	0.0	0.0	0.0
230. *	0.1	0.1	0.5	0.5	0.4	0.1	0.0	0.0
240. *	0.1	0.1	0.6	0.6	0.5	0.0	0.0	0.0
250. *	0.1	0.1	0.7	0.8	0.6	0.0	0.0	0.0
260. *	0.1	0.1	1.1	1.1	0.6	0.0	0.0	0.0
270. *	0.3	0.1	1.3	0.7	0.2	0.1	0.0	0.0
280. *	0.7	0.4	0.8	0.1	0.0	0.5	0.3	0.2
290. *	0.8	0.6	0.4	0.0	0.0	0.5	0.4	0.4
300. *	0.8	0.6	0.2	0.0	0.0	0.5	0.4	0.3
310. *	0.6	0.5	0.1	0.0	0.0	0.4	0.3	0.3
320. *	0.6	0.6	0.1	0.0	0.0	0.4	0.3	0.3
330. *	0.9	0.9	0.2	0.0	0.0	0.5	0.3	0.3
340. *	1.4	1.3	0.2	0.0	0.0	0.4	0.3	0.3
350. *	1.7	1.2	0.6	0.1	0.0	0.6	0.4	0.2
360. *	0.8	0.4	2.1	0.8	0.3	1.7	1.1	0.6
MAX *	1.7	1.3	2.1	1.9	1.4	1.7	1.5	1.3
DEGR. *	350	340	0	10	20	0	10	10

THE HIGHEST CONCENTRATION OF 2.10 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013lvdwntwn S. MLK and W. Charleston EMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 1:53

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2										
1. Link_2	*	7.6	-152.4	7.6	-142.8	*	10.	360.	AG	334.	100.0	0.0	14.6	0.47	1.6
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360.	AG	1304.	7.6	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	125.2	*	27.	180.	AG	334.	100.0	0.0	14.6	0.88	4.5
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180.	AG	544.	7.6	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90.	AG	1266.	7.6	0.0	17.0		
6. Link_12	*	152.4	7.6	137.0	7.6	*	15.	270.	AG	155.	100.0	0.0	14.6	0.66	2.6
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270.	AG	1816.	7.6	0.0	17.0		
8. Link_4	*	-152.4	-7.6	-143.8	-7.6	*	9.	90.	AG	193.	100.0	0.0	18.3	0.37	1.4

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. Link_5	*	60	41	2.0	1056	1200	45.50	1	3
6. Link_12	*	60	19	2.0	1942	1200	45.50	1	3
8. Link_4	*	60	19	2.0	1365	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

MODEL RESULTS

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

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.4	0.1	1.2	1.2	
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.0	0.5	0.5	0.5	0.3	0.0	0.0	0.6	0.5	
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.6	0.4	0.4	0.5	0.0	0.0	0.3	0.4	
30.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.0	0.0	0.2	0.3	
40.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.3	0.0	0.0	0.1	0.3	
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.4	
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.4	
70.	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.1	0.2	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.5	
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.2	0.2	0.1	0.1	0.5	0.4	0.3	0.2	0.0	0.0	0.1	0.9	
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.3	1.0	
100.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.5	0.6
110.	0.2	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.5	0.3	
120.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.4	0.2	
130.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.3	0.2	0.4	0.1	
140.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.1	
150.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.1	0.2	0.2	0.2	0.2	0.5	0.1	
160.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.4	0.1	
170.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.4	0.3	0.3	0.1	0.1	0.0	0.0	0.2	0.2	0.5	0.1	
180.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.6	0.2	
190.	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.7	0.3	
200.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.3	0.7	0.3	
210.	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.4	0.6	0.2	
220.	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.2	
230.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.3	
240.	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.4	0.0	0.0	0.0	0.0	0.6	0.6	0.7	0.3	
250.	0.7	0.7	0.6	0.6	0.1	0.1	0.1	0.1	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.7	0.3	
260.	0.7	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.2	0.9	1.2	0.3	
270.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	1.5	0.5	
280.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.2	0.8	0.9	
290.	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.1	0.3	0.3	0.5	1.0	
300.	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.9	
310.	0.2	0.2	0.2	0.2	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.4	0.3	0.3	0.7	
320.	0.3	0.2	0.2	0.3	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.4	0.3	0.4	0.7	
330.	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.4	0.5	0.6	
340.	0.7	0.6	0.4	0.2	0.7	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.7	0.6	0.6	0.6	
350.	0.3	0.1	0.0	0.0	0.8	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.9	0.6	1.2	1.1	
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.4	0.1	1.2	1.2	
MAX	0.7	0.7	0.6	0.6	0.8	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.5	1.2	0.9	1.5	1.2	
DEGR.	340	250	250	250	350	340	340	340	130	120	130	130	20	10	10	20	260	260	270	0	

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)							
	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.8	0.4	0.5	0.2	0.1	0.7	0.5	0.4
10.	*	0.3	0.2	0.7	0.4	0.4	0.9	0.7	0.6
20.	*	0.3	0.2	0.5	0.3	0.3	0.8	0.7	0.6
30.	*	0.3	0.3	0.4	0.3	0.3	0.6	0.6	0.6
40.	*	0.3	0.3	0.5	0.3	0.2	0.5	0.4	0.4
50.	*	0.4	0.3	0.5	0.2	0.2	0.4	0.4	0.3
60.	*	0.5	0.4	0.5	0.2	0.2	0.4	0.4	0.3
70.	*	0.6	0.4	0.5	0.2	0.2	0.4	0.5	0.5
80.	*	0.9	0.5	0.5	0.2	0.2	0.7	0.7	0.6
90.	*	0.5	0.1	0.6	0.3	0.2	0.9	0.5	0.3
100.	*	0.1	0.0	0.9	0.8	0.4	0.5	0.2	0.1
110.	*	0.0	0.0	1.0	0.8	0.6	0.2	0.1	0.1
120.	*	0.0	0.0	0.8	0.9	0.7	0.1	0.1	0.1
130.	*	0.0	0.0	0.8	0.7	0.7	0.1	0.1	0.1
140.	*	0.0	0.0	0.6	0.6	0.5	0.2	0.2	0.1
150.	*	0.0	0.0	0.6	0.6	0.5	0.2	0.2	0.2
160.	*	0.0	0.0	0.4	0.6	0.6	0.3	0.3	0.3
170.	*	0.0	0.0	0.7	0.8	0.6	0.5	0.4	0.3
180.	*	0.1	0.0	0.7	0.6	0.5	0.5	0.2	0.0
190.	*	0.2	0.1	0.5	0.4	0.3	0.2	0.0	0.0
200.	*	0.1	0.1	0.4	0.4	0.4	0.1	0.0	0.0
210.	*	0.1	0.1	0.4	0.4	0.4	0.1	0.0	0.0
220.	*	0.1	0.1	0.4	0.5	0.4	0.0	0.0	0.0
230.	*	0.1	0.1	0.5	0.6	0.5	0.1	0.0	0.0
240.	*	0.1	0.1	0.6	0.7	0.5	0.0	0.0	0.0
250.	*	0.1	0.1	0.8	0.9	0.6	0.0	0.0	0.0
260.	*	0.1	0.1	1.2	1.1	0.6	0.0	0.0	0.0
270.	*	0.3	0.1	1.4	0.7	0.2	0.1	0.0	0.0
280.	*	0.7	0.4	0.8	0.1	0.0	0.5	0.3	0.2
290.	*	0.8	0.6	0.4	0.0	0.0	0.6	0.5	0.4
300.	*	0.8	0.7	0.3	0.0	0.0	0.5	0.4	0.4
310.	*	0.6	0.5	0.1	0.0	0.0	0.4	0.4	0.3
320.	*	0.6	0.6	0.2	0.0	0.0	0.4	0.3	0.3
330.	*	0.6	0.6	0.2	0.0	0.0	0.5	0.3	0.3
340.	*	0.7	0.6	0.2	0.0	0.0	0.4	0.3	0.3
350.	*	1.2	0.9	0.2	0.0	0.0	0.4	0.3	0.3
360.	*	0.8	0.4	0.5	0.2	0.1	0.7	0.5	0.4
MAX	*	1.2	0.9	1.4	1.1	0.7	0.9	0.7	0.6
DEGR.	*	350	350	270	260	130	10	10	10

THE HIGHEST CONCENTRATION OF 1.50 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013lvdwntwn S. Grand Central Pkwy and W. Charleston DEMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
TIME : 16: 2:27

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-150.9	*	1.	360. AG	199.	100.0	0.0	7.3	0.13	0.2
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	21.	7.6	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	-229.6	*	382.	180. AG	399.	100.0	0.0	14.6	1.79	63.7
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1231.	7.6	0.0	9.7		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2418.	7.6	0.0	17.0		
6. Link_12	*	152.4	7.6	142.9	7.6	*	9.	270. AG	112.	100.0	0.0	18.3	0.57	1.6
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2138.	7.6	0.0	17.0		
8. Link_4	*	-152.4	-7.6	-144.4	-7.6	*	8.	90. AG	112.	100.0	0.0	18.3	0.49	1.3

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)		
1. Link_2	*	60	49	2.0	36	1200	45.50	1	3
3. Link_5	*	60	49	2.0	1001	1200	45.50	1	3
6. Link_12	*	60	11	2.0	2585	1200	45.50	1	3
8. Link_4	*	60	11	2.0	2186	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			Z	*
	X	Y			
1. Rcpt_1	29.0	29.0		1.8	*
2. Rcpt_2	35.1	35.1		1.8	*
3. Rcpt_3	41.1	41.1		1.8	*
4. Rcpt_4	47.2	47.2		1.8	*
5. Rcpt_5	29.0	-29.0		1.8	*
6. Rcpt_6	32.0	-32.0		1.8	*
7. Rcpt_7	41.1	-41.1		1.8	*
8. Rcpt_8	47.2	-47.2		1.8	*
9. Rcpt_9	-29.0	29.0		1.8	*
10. Rcpt_10	-35.1	35.1		1.8	*
11. Rcpt_11	-41.1	41.1		1.8	*
12. Rcpt_12	-47.2	47.2		1.8	*
13. Rcpt_13	-29.0	-29.0		1.8	*
14. Rcpt_14	-35.1	-35.1		1.8	*
15. Rcpt_15	-41.1	-41.1		1.8	*
16. Rcpt_16	-47.2	-47.2		1.8	*
17. Rcpt_17	16.8	16.8		1.8	*
18. Rcpt_18	22.9	22.9		1.8	*
19. Rcpt_19	10.7	10.7		1.8	*
20. Rcpt_20	10.7	-10.7		1.8	*
21. Rcpt_21	16.8	-16.8		1.8	*
22. Rcpt_22	22.9	-22.9		1.8	*
23. Rcpt_23	-10.7	10.7		1.8	*
24. Rcpt_24	-16.8	16.8		1.8	*
25. Rcpt_25	-22.9	22.9		1.8	*
26. Rcpt_26	-10.7	-10.7		1.8	*
27. Rcpt_27	-16.8	-16.8		1.8	*
28. Rcpt_28	-22.9	-22.9		1.8	*

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)																			
* (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.6	0.5	0.3	0.2	0.1	0.0	0.3	0.9
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	1.0	0.5	0.2	0.1	1.8	1.4	1.0	0.8	0.0	0.0	0.0	0.5
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	1.4	1.2	0.8	0.5	1.8	1.6	1.5	1.2	0.0	0.0	0.0	0.5
30.	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	1.3	1.1	1.0	0.9	1.7	1.4	1.2	1.1	0.0	0.0	0.0	0.5
40.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	1.1	1.0	0.9	0.8	1.4	1.2	1.2	1.1	0.0	0.0	0.0	0.6
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.9	0.8	0.8	0.8	1.3	1.2	1.2	1.2	0.0	0.0	0.0	0.7
60.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	1.0	0.8	0.7	0.7	1.6	1.4	1.3	1.3	0.0	0.0	0.0	0.8
70.	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.2	0.9	0.8	0.7	0.7	1.8	1.6	1.4	1.3	0.0	0.0	0.0	1.0
80.	0.0	0.0	0.0	0.0	0.5	0.4	0.1	0.0	0.9	0.8	0.7	0.7	1.8	1.5	1.3	1.1	0.0	0.0	0.0	1.6
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.8	0.7	0.7	1.3	1.1	0.9	0.8	0.1	0.0	0.2	1.9
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.0	0.8	0.8	1.1	1.0	0.9	0.8	0.4	0.2	0.7	1.1
110.	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.3	1.1	1.1	1.1	1.0	0.8	0.8	0.6	0.5	0.8	0.6
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	1.6	1.3	1.2	1.1	1.2	1.0	0.9	0.9	0.6	0.5	0.6	0.3
130.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.3	1.3	1.3	1.1	1.0	1.0	1.0	0.5	0.4	0.6	0.2
140.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.8	1.6	1.5	1.3	1.3	1.2	1.1	1.0	0.4	0.4	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.9	1.7	1.5	1.4	1.6	1.3	1.2	1.1	0.4	0.4	0.5	0.3
160.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.2	2.0	1.8	1.6	1.8	1.6	1.4	1.1	0.4	0.4	0.4	0.2
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.5	1.9	1.7	1.3	1.8	1.2	0.8	0.5	0.4	0.3	0.4	0.2
180.	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	1.1	0.6	0.5	0.4	0.4	0.2	0.1	0.0	0.8	0.5	1.2	1.0
190.	1.4	1.2	1.0	0.8	0.7	0.6	0.2	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.3	1.7	2.8	2.4
200.	1.7	1.6	1.5	1.4	1.3	1.2	0.9	0.7	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.1	2.0	2.5	2.3
210.	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.8	1.6	2.0	1.9
220.	1.2	1.2	1.1	1.0	1.0	1.0	1.0	0.9	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.3	1.6	1.7
230.	1.1	1.1	1.0	0.9	1.0	1.0	0.8	0.7	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.2	1.1	1.3	1.5
240.	1.1	1.1	1.0	0.9	0.9	0.9	0.7	0.7	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.3	1.2	1.5	1.6
250.	1.3	1.1	1.1	0.9	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.2	0.0	0.0	0.0	0.0	1.5	1.4	1.5	1.6
260.	1.3	1.1	0.9	0.8	0.9	0.8	0.7	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.9	1.6	2.0	1.5
270.	0.8	0.7	0.6	0.6	0.8	0.8	0.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.0	2.3	1.7
280.	0.7	0.6	0.6	0.6	1.1	1.0	0.8	0.8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.7	1.5	2.2
290.	0.7	0.6	0.6	0.5	1.3	1.2	1.1	0.9	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.9	0.8	1.2	2.4
300.	0.7	0.7	0.6	0.6	1.4	1.3	1.1	1.0	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.9	0.8	1.1	2.3
310.	0.8	0.8	0.7	0.6	1.6	1.5	1.3	1.2	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.9	0.8	1.0	2.0
320.	0.8	0.8	0.7	0.7	1.5	1.4	1.2	1.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	1.0	0.9	1.2	2.0
330.	1.0	0.8	0.7	0.5	1.5	1.3	1.1	1.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	1.2	1.0	1.4	2.1
340.	0.8	0.5	0.3	0.1	1.5	1.4	1.3	1.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.3	1.1	1.6	2.3
350.	0.2	0.1	0.0	0.0	1.0	0.9	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.9	0.5	1.5	2.2
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.6	0.5	0.3	0.2	0.1	0.0	0.3	0.9
MAX	1.7	1.6	1.5	1.4	1.6	1.5	1.3	1.2	2.5	2.0	1.8	1.6	1.8	1.6	1.5	1.3	2.3	2.0	2.8	2.4
DEGR.	200	200	200	200	310	310	310	310	170	160	160	160	170	70	20	60	190	200	190	190

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION									
ANGLE * (PPM)									
(DEGR) * REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28		
0.	*	0.8	0.6	4.6	1.6	0.5	5.3	2.1	1.0
10.	*	0.5	0.5	3.9	3.1	1.8	4.6	3.6	2.4
20.	*	0.6	0.5	2.7	2.5	1.8	3.2	2.9	2.1
30.	*	0.6	0.5	2.1	1.9	1.5	2.5	2.4	1.9
40.	*	0.7	0.6	1.6	1.6	1.3	1.9	2.0	1.6
50.	*	0.7	0.6	1.6	1.4	1.2	1.8	1.9	1.6
60.	*	0.9	0.7	1.5	1.3	1.1	1.8	2.0	1.7
70.	*	1.2	0.8	1.4	1.2	1.0	2.0	2.2	1.9
80.	*	1.5	0.8	1.5	1.2	1.0	2.6	2.7	2.2
90.	*	0.9	0.2	1.6	1.5	1.0	2.8	2.4	1.6
100.	*	0.1	0.0	2.3	2.1	1.4	2.1	1.6	1.2
110.	*	0.0	0.0	2.3	2.3	1.7	1.6	1.5	1.2
120.	*	0.0	0.0	2.3	2.4	1.9	1.6	1.6	1.3
130.	*	0.0	0.0	2.3	2.3	2.0	1.7	1.7	1.4
140.	*	0.0	0.0	2.3	2.5	2.1	1.8	2.0	1.6
150.	*	0.0	0.0	2.6	2.7	2.3	2.4	2.3	1.8
160.	*	0.0	0.0	3.3	3.4	2.6	3.2	3.0	2.2
170.	*	0.0	0.0	5.0	4.6	3.1	5.0	4.0	2.6
180.	*	0.3	0.1	6.3	3.0	1.6	6.1	2.4	1.0
190.	*	1.6	1.1	3.1	0.7	0.4	3.0	0.2	0.0
200.	*	1.7	1.5	1.6	0.5	0.4	1.4	0.0	0.0
210.	*	1.5	1.3	1.2	0.5	0.5	0.8	0.0	0.0
220.	*	1.2	1.1	1.0	0.6	0.5	0.6	0.0	0.0
230.	*	1.1	1.0	1.1	0.7	0.5	0.6	0.0	0.0
240.	*	1.1	1.0	1.1	0.8	0.6	0.5	0.0	0.0
250.	*	1.1	1.0	1.3	1.0	0.7	0.4	0.0	0.0
260.	*	1.1	0.9	1.8	1.3	0.7	0.4	0.0	0.0
270.	*	1.3	0.9	2.1	0.8	0.2	0.7	0.0	0.0
280.	*	1.9	1.3	1.4	0.1	0.0	1.0	0.4	0.2
290.	*	2.2	1.6	0.9	0.0	0.0	1.1	0.6	0.5
300.	*	2.0	1.6	0.7	0.0	0.0	1.1	0.5	0.4
310.	*	2.0	1.7	0.7	0.0	0.0	1.1	0.4	0.4
320.	*	1.8	1.6	0.7	0.0	0.0	1.1	0.4	0.3
330.	*	1.9	1.7	0.9	0.0	0.0	1.2	0.4	0.3
340.	*	2.0	1.7	1.4	0.0	0.0	1.8	0.4	0.3
350.	*	1.7	1.3	2.6	0.2	0.0	3.1	0.5	0.3
360.	*	0.8	0.6	4.6	1.6	0.5	5.3	2.1	1.0
MAX	*	2.2	1.7	6.3	4.6	3.1	6.1	4.0	2.6
DEGR.	*	290	310	180	170	170	180	170	170

THE HIGHEST CONCENTRATION OF 6.30 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013lvdwntwn S. Grand Central Pkwy and W. Charleston EMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 2:44

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-150.9	*	1.	360. AG	199.	100.0	0.0	7.3	0.13 0.2	
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	21.	7.6	0.0	17.0		
3. Link_5	*	-7.6	152.4	-7.6	-255.2	*	408.	180. AG	399.	100.0	0.0	14.6	1.84 67.9	
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1321.	7.6	0.0	9.7		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2517.	7.6	0.0	17.0		
6. Link_12	*	152.4	7.6	139.1	7.6	*	13.	270. AG	89.	100.0	0.0	18.3	0.76 2.2	
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2238.	7.6	0.0	17.0		
8. Link_4	*	-152.4	-7.6	-144.0	-7.6	*	8.	90. AG	112.	100.0	0.0	18.3	0.51 1.4	

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)		
1. Link_2	*	60	49	2.0	36	1200	45.50	1	3
3. Link_5	*	60	49	2.0	1034	1200	45.50	1	3
6. Link_12	*	60	11	2.0	2742	1200	45.50	1	3
8. Link_4	*	60	11	2.0	2285	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

MODEL RESULTS

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

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.6	0.5	0.4	0.2	0.1	0.0	0.3	0.9
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	1.0	0.5	0.2	0.1	1.8	1.4	1.1	0.8	0.0	0.0	0.0	0.5
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	1.4	1.2	0.8	0.5	1.8	1.6	1.5	1.2	0.0	0.0	0.0	0.5
30.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	1.3	1.1	1.0	0.9	1.7	1.4	1.3	1.1	0.0	0.0	0.0	0.5
40.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	1.1	1.0	0.9	0.8	1.4	1.3	1.2	1.1	0.0	0.0	0.0	0.6
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.9	0.8	0.8	0.8	1.3	1.2	1.2	1.2	0.0	0.0	0.0	0.7
60.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	1.0	0.8	0.7	0.7	1.6	1.4	1.3	1.3	0.0	0.0	0.0	0.9
70.	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.3	0.9	0.8	0.7	0.7	1.8	1.6	1.5	1.3	0.0	0.0	0.0	1.1
80.	0.0	0.0	0.0	0.0	0.5	0.4	0.1	0.0	0.9	0.8	0.7	0.7	1.8	1.5	1.3	1.2	0.0	0.0	0.0	1.6
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.8	0.7	0.7	1.3	1.1	0.9	0.9	0.1	0.0	0.2	1.9
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.0	0.8	0.8	1.1	1.0	0.9	0.9	0.4	0.2	0.7	1.1
110.	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.3	1.1	1.1	1.1	1.0	0.9	0.8	0.7	0.5	0.8	0.6
120.	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.7	1.3	1.2	1.1	1.2	1.0	0.9	0.9	0.6	0.5	0.7	0.4
130.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.6	1.4	1.3	1.3	1.1	1.0	1.0	1.0	0.5	0.5	0.6	0.2
140.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.8	1.7	1.5	1.3	1.4	1.2	1.1	1.0	0.4	0.4	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.0	1.7	1.5	1.4	1.6	1.4	1.2	1.1	0.4	0.4	0.5	0.3
160.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.2	2.1	1.8	1.6	1.8	1.6	1.4	1.2	0.4	0.4	0.5	0.3
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.7	2.1	1.7	1.4	1.9	1.4	0.9	0.6	0.4	0.4	0.4	0.3
180.	0.5	0.4	0.4	0.3	0.1	0.1	0.0	0.0	1.1	0.7	0.5	0.4	0.5	0.2	0.1	0.0	0.9	0.7	1.4	1.0
190.	1.5	1.3	1.1	0.9	0.8	0.7	0.4	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.3	1.9	2.9	2.5
200.	1.9	1.6	1.5	1.4	1.3	1.3	1.0	0.8	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	2.1	2.0	2.5	2.3
210.	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.8	1.6	2.0	1.9
220.	1.2	1.2	1.2	1.1	1.0	1.0	1.0	0.9	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.4	1.3	1.6	1.7
230.	1.1	1.1	1.0	0.9	1.0	1.0	0.9	0.7	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.2	1.1	1.4	1.5
240.	1.1	1.1	1.0	1.0	0.9	0.9	0.7	0.7	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.3	1.2	1.5	1.6
250.	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.2	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.6
260.	1.4	1.1	0.9	0.9	0.9	0.9	0.7	0.7	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.9	1.6	2.0	1.5
270.	0.9	0.7	0.6	0.6	0.9	0.9	0.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.0	2.3	1.7
280.	0.7	0.6	0.6	0.6	1.2	1.1	0.8	0.8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.7	1.6	2.2
290.	0.7	0.6	0.6	0.5	1.4	1.3	1.1	0.9	0.0	0.0	0.0	0.0	0.4	0.2	0.1	0.0	0.9	0.8	1.2	2.4
300.	0.7	0.7	0.6	0.6	1.5	1.4	1.2	1.0	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.9	0.8	1.1	2.4
310.	0.8	0.8	0.7	0.6	1.6	1.5	1.4	1.2	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.9	0.8	1.0	2.1
320.	0.8	0.8	0.7	0.7	1.5	1.4	1.3	1.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	1.0	0.9	1.2	2.0
330.	1.0	0.8	0.7	0.5	1.5	1.3	1.2	1.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	1.2	1.0	1.4	2.1
340.	0.8	0.5	0.3	0.1	1.5	1.4	1.3	1.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	1.3	1.1	1.6	2.3
350.	0.2	0.1	0.0	0.0	1.0	0.9	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.9	0.5	1.5	2.2
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.6	0.5	0.4	0.2	0.1	0.0	0.3	0.9
MAX	1.9	1.6	1.5	1.4	1.6	1.5	1.4	1.2	2.7	2.1	1.8	1.6	1.9	1.6	1.5	1.3	2.3	2.0	2.9	2.5
DEGR.	200	200	200	200	310	310	310	310	170	160	160	160	170	70	20	60	190	200	190	190

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.8	0.6	4.6	1.6	0.5	5.3	2.2	1.0
10.	*	0.6	0.5	3.9	3.1	1.8	4.6	3.7	2.4
20.	*	0.6	0.5	2.7	2.5	1.8	3.3	3.0	2.1
30.	*	0.6	0.5	2.1	1.9	1.5	2.5	2.5	1.9
40.	*	0.7	0.6	1.6	1.6	1.3	1.9	2.0	1.6
50.	*	0.8	0.6	1.6	1.4	1.2	1.9	1.9	1.7
60.	*	0.9	0.7	1.5	1.3	1.1	1.9	2.0	1.8
70.	*	1.2	0.9	1.5	1.2	1.0	2.0	2.2	2.0
80.	*	1.6	0.9	1.5	1.2	1.0	2.6	2.8	2.2
90.	*	1.0	0.3	1.6	1.5	1.0	2.9	2.4	1.6
100.	*	0.1	0.0	2.3	2.2	1.4	2.1	1.6	1.2
110.	*	0.0	0.0	2.3	2.3	1.7	1.6	1.5	1.3
120.	*	0.0	0.0	2.3	2.4	1.9	1.7	1.6	1.4
130.	*	0.0	0.0	2.3	2.4	2.0	1.7	1.7	1.5
140.	*	0.0	0.0	2.3	2.6	2.1	1.8	2.0	1.6
150.	*	0.0	0.0	2.7	2.7	2.3	2.5	2.3	1.8
160.	*	0.0	0.0	3.3	3.4	2.6	3.2	3.0	2.2
170.	*	0.0	0.0	5.1	4.7	3.3	5.0	4.1	2.7
180.	*	0.4	0.2	6.4	3.2	1.7	6.3	2.5	1.1
190.	*	1.7	1.3	3.1	0.7	0.4	3.0	0.2	0.0
200.	*	1.7	1.6	1.7	0.5	0.4	1.4	0.0	0.0
210.	*	1.5	1.3	1.2	0.5	0.5	0.8	0.0	0.0
220.	*	1.2	1.1	1.0	0.6	0.5	0.6	0.0	0.0
230.	*	1.1	1.0	1.1	0.7	0.6	0.6	0.0	0.0
240.	*	1.1	1.0	1.2	0.8	0.7	0.5	0.0	0.0
250.	*	1.1	1.0	1.4	1.1	0.8	0.4	0.0	0.0
260.	*	1.1	0.9	1.9	1.4	0.8	0.4	0.0	0.0
270.	*	1.3	0.9	2.2	0.9	0.2	0.8	0.0	0.0
280.	*	1.9	1.3	1.4	0.1	0.0	1.1	0.4	0.2
290.	*	2.2	1.6	0.9	0.0	0.0	1.1	0.6	0.5
300.	*	2.0	1.7	0.7	0.0	0.0	1.1	0.5	0.5
310.	*	2.0	1.8	0.7	0.0	0.0	1.1	0.4	0.4
320.	*	1.9	1.7	0.7	0.0	0.0	1.1	0.4	0.3
330.	*	1.9	1.7	0.9	0.0	0.0	1.3	0.4	0.3
340.	*	2.0	1.7	1.4	0.0	0.0	1.8	0.4	0.3
350.	*	1.8	1.3	2.6	0.2	0.0	3.1	0.6	0.3
360.	*	0.8	0.6	4.6	1.6	0.5	5.3	2.2	1.0
MAX	*	2.2	1.8	6.4	4.7	3.3	6.3	4.1	2.7
DEGR.	*	290	310	180	170	170	180	170	170

THE HIGHEST CONCENTRATION OF 6.40 PPM OCCURRED AT RECEPTOR REC23.

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221

JOB: 2013lvdwntwn S. Main St and W. Charleston DEMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 3: 3

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-126.8	* 26.	360. AG	214.	100.0	0.0	11.0	0.83	4.3
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1050.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	-193.9	* 346.	180. AG	214.	100.0	0.0	11.0	1.22	57.7
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1428.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2140.	7.6	0.0	17.0		
6. Link_12	* 152.4	7.6	135.2	7.6	* 17.	270. AG	203.	100.0	0.0	14.6	0.67	2.9
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	1633.	7.6	0.0	17.0		
8. Link_4	* -152.4	-7.6	-127.6	-7.6	* 25.	90. AG	203.	100.0	0.0	14.6	0.81	4.1

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
1. Link_2	* 60	35	2.0	1043	1200	45.50	1	3
3. Link_5	* 60	35	2.0	1539	1200	45.50	1	3
6. Link_12	* 60	25	2.0	1654	1200	45.50	1	3
8. Link_4	* 60	25	2.0	2015	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

MODEL RESULTS

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

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																					
ANGLE * (PPM)																					
(DEGR) *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.3	0.1	1.1	1.3
10.	*	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.5	0.3	0.1	0.0	1.1	0.9	0.7	0.5	0.0	0.0	0.5	0.7
20.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.9	0.7	0.5	0.3	1.2	1.1	1.0	0.9	0.0	0.0	0.2	0.5
30.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.8	0.8	0.6	0.5	1.1	1.1	0.9	0.9	0.0	0.0	0.1	0.5
40.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.8	0.7	0.6	0.5	1.1	0.9	0.8	0.7	0.0	0.0	0.1	0.5
50.	*	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.7	0.6	0.5	0.5	1.1	1.0	0.9	0.9	0.0	0.0	0.1	0.6
60.	*	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	1.2	1.0	1.0	0.9	0.0	0.0	0.1	0.7
70.	*	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.2	0.6	0.5	0.5	0.4	1.3	1.1	1.1	0.9	0.0	0.0	0.1	0.9
80.	*	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.5	0.5	0.5	0.4	1.3	1.1	0.9	0.7	0.0	0.0	0.1	1.5
90.	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.7	0.7	0.6	0.5	0.1	0.1	0.3	1.6
100.	*	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.3	0.7	1.0
110.	*	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	1.1	0.9	0.9	0.7	0.8	0.6	0.6	0.5	0.6	0.5	0.8	0.5
120.	*	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.0	0.8	0.8	0.8	0.6	0.6	0.6	0.5	0.4	0.7	0.3
130.	*	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.4	0.4	0.6	0.2
140.	*	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.2	1.1	0.9	0.8	0.9	0.8	0.7	0.7	0.4	0.3	0.6	0.2
150.	*	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	1.1	0.9	0.9	0.9	1.0	0.9	0.9	0.4	0.3	0.5	0.2
160.	*	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.5	1.5	1.2	1.2	1.4	1.2	0.9	0.6	0.4	0.3	0.6	0.2
170.	*	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.7	1.3	1.0	0.8	1.1	0.6	0.4	0.1	0.3	0.3	0.6	0.2
180.	*	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.5	0.5	1.1	0.6
190.	*	1.0	0.8	0.6	0.5	0.5	0.4	0.2	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.5	1.2	2.0	1.6
200.	*	1.2	1.1	1.0	0.8	0.8	0.8	0.6	0.4	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.6	1.2	1.8	1.4
210.	*	1.2	1.0	0.8	0.8	0.8	0.7	0.6	0.6	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.4	1.2	1.6	1.3
220.	*	0.8	0.8	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.0	1.3	1.1
230.	*	0.8	0.8	0.7	0.6	0.6	0.6	0.5	0.5	0.3	0.3	0.3	0.4	0.0	0.0	0.0	0.0	1.1	0.9	1.0	1.1
240.	*	0.9	0.9	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.5	0.4	0.5	0.0	0.0	0.0	0.0	1.0	0.9	1.0	1.1
250.	*	0.9	0.9	0.9	0.8	0.5	0.5	0.5	0.4	0.6	0.5	0.4	0.2	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
260.	*	1.2	0.9	0.8	0.6	0.6	0.5	0.5	0.5	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.5	1.3	1.6	1.1
270.	*	0.6	0.6	0.4	0.4	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.8	1.8	1.4
280.	*	0.6	0.5	0.4	0.4	0.9	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.7	0.6	1.2	1.6
290.	*	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.6	0.6	0.8	1.6
300.	*	0.6	0.6	0.4	0.4	1.1	1.0	0.9	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.3	0.7	0.6	0.7	1.5
310.	*	0.6	0.6	0.5	0.5	1.0	1.0	0.8	0.8	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.8	0.7	0.8	1.4
320.	*	0.6	0.6	0.6	0.5	1.0	1.0	0.9	0.9	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.8	0.8	0.9	1.5
330.	*	0.7	0.6	0.6	0.5	1.1	1.1	0.9	0.9	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.0	0.8	1.1	1.4
340.	*	0.7	0.5	0.3	0.1	1.3	1.2	0.9	0.9	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.2	1.0	1.3	1.5
350.	*	0.3	0.1	0.0	0.0	1.0	0.8	0.6	0.5	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.1	0.5	1.6	1.8
360.	*	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.3	0.1	1.1	1.3
MAX	*	1.2	1.1	1.0	0.9	1.3	1.2	0.9	0.9	1.7	1.5	1.2	1.2	1.4	1.2	1.1	0.9	1.6	1.3	2.0	1.8
DEGR.	*	200	200	200	220	340	340	300	320	170	160	160	160	160	160	70	60	200	260	190	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.9	0.5	2.9	0.7	0.2	3.4	1.1	0.5
10.	*		0.5	0.4	2.7	1.7	1.0	3.2	2.1	1.4
20.	*		0.5	0.4	1.9	1.5	1.1	2.5	2.0	1.3
30.	*		0.5	0.5	1.5	1.2	1.0	2.0	1.7	1.4
40.	*		0.6	0.5	1.3	1.0	0.9	1.6	1.5	1.3
50.	*		0.7	0.5	1.2	1.0	0.8	1.4	1.4	1.2
60.	*		0.8	0.6	1.1	0.9	0.7	1.4	1.4	1.3
70.	*		1.0	0.8	1.2	0.8	0.7	1.5	1.5	1.4
80.	*		1.4	0.9	1.1	0.8	0.6	2.1	2.1	1.8
90.	*		0.8	0.2	1.4	1.1	0.6	2.3	1.7	1.1
100.	*		0.1	0.0	1.8	1.6	1.0	1.5	1.0	0.8
110.	*		0.0	0.0	1.9	1.7	1.3	1.2	0.9	0.8
120.	*		0.0	0.0	1.7	1.6	1.3	1.0	1.0	0.9
130.	*		0.0	0.0	1.6	1.7	1.3	1.2	1.2	0.9
140.	*		0.0	0.0	1.6	1.5	1.4	1.3	1.2	1.0
150.	*		0.0	0.0	1.8	1.7	1.4	1.7	1.5	1.2
160.	*		0.0	0.0	2.2	2.0	1.6	2.2	2.0	1.5
170.	*		0.0	0.0	3.6	2.8	2.0	3.5	2.5	1.6
180.	*		0.2	0.1	4.2	1.8	0.9	4.1	1.3	0.4
190.	*		0.9	0.6	2.0	0.5	0.3	1.8	0.1	0.0
200.	*		1.1	0.9	0.9	0.4	0.3	0.8	0.0	0.0
210.	*		0.9	0.8	0.6	0.4	0.4	0.5	0.0	0.0
220.	*		0.8	0.7	0.6	0.4	0.4	0.3	0.0	0.0
230.	*		0.7	0.7	0.7	0.5	0.4	0.3	0.0	0.0
240.	*		0.6	0.6	0.7	0.6	0.5	0.2	0.0	0.0
250.	*		0.6	0.6	0.8	0.9	0.7	0.2	0.0	0.0
260.	*		0.6	0.6	1.3	1.1	0.7	0.2	0.0	0.0
270.	*		1.0	0.7	1.6	0.6	0.2	0.5	0.1	0.1
280.	*		1.4	1.0	0.8	0.1	0.0	0.7	0.4	0.3
290.	*		1.4	1.1	0.5	0.0	0.0	0.7	0.4	0.3
300.	*		1.5	1.2	0.3	0.0	0.0	0.6	0.4	0.3
310.	*		1.4	1.3	0.3	0.0	0.0	0.7	0.3	0.3
320.	*		1.3	1.3	0.3	0.0	0.0	0.6	0.3	0.3
330.	*		1.4	1.3	0.5	0.0	0.0	0.8	0.3	0.2
340.	*		1.5	1.3	0.7	0.0	0.0	1.0	0.3	0.3
350.	*		1.6	1.2	1.4	0.0	0.0	1.8	0.4	0.2
360.	*		0.9	0.5	2.9	0.7	0.2	3.4	1.1	0.5
MAX	*		1.6	1.3	4.2	2.8	2.0	4.1	2.5	1.8
DEGR.	*		350	320	180	170	170	180	170	80

THE HIGHEST CONCENTRATION OF 4.20 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013lvdwntwn S. Main St and W. Charleston EMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 3:19

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-148.0	*	4.	360. AG	138.	100.0	0.0	7.3	0.17 0.7	
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	114.	7.6	0.0	9.7		
3. Link_5	*	-7.6	152.4	-7.6	147.0	*	5.	180. AG	0.	100.0	0.0	7.3	0.79 0.9	
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	146.	7.6	0.0	9.7		
5. Link_10	*	7.6	0.0	152.4	0.0	*	145.	90. AG	1671.	7.6	0.0	13.4		

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)		
1. Link_2	*	60	34	2.0	155	1200	45.50	1	3
3. Link_5	*	60	0	2.0	1776	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
10.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
20.	*	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
30.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
40.	*	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
50.	*	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.5
60.	*	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.6
70.	*	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.7
80.	*	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.8
90.	*	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	0.0	0.0	0.0	0.1	0.0	0.4	0.4
100.	*	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.8	0.0
110.	*	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.0
120.	*	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.0
130.	*	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.0
140.	*	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
150.	*	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
160.	*	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
170.	*	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
180.	*	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
190.	*	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.0
200.	*	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.0
210.	*	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0
220.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
230.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
290.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
320.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
340.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
350.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.4
360.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
MAX DEGR.	*	0.4	0.3	0.3	0.2	0.4	0.3	0.3	0.2	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.4	0.8	0.8

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) *	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
10.	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
20.	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
30.	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
40.	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
50.	0.4	0.3	0.0	0.0	0.0	0.1	0.1	0.1
60.	0.4	0.4	0.0	0.0	0.0	0.3	0.3	0.3
70.	0.5	0.4	0.0	0.0	0.0	0.5	0.5	0.4
80.	0.5	0.3	0.0	0.0	0.0	0.8	0.6	0.4
90.	0.1	0.0	0.4	0.2	0.1	0.4	0.2	0.1
100.	0.0	0.0	0.8	0.6	0.4	0.0	0.0	0.0
110.	0.0	0.0	0.5	0.5	0.4	0.0	0.0	0.0
120.	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0
130.	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
140.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
160.	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
170.	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0
180.	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
190.	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
200.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
320.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
330.	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
340.	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
350.	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
360.	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.5	0.4	0.8	0.6	0.4	0.8	0.6	0.4
DEGR.	70	60	100	100	100	80	80	70

THE HIGHEST CONCENTRATION OF 0.80 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013lvdwntwn S. MLK and I-15 SB On-Ramps DEMU With project

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 16: 3:44

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION * LINK COORDINATES (M) * LENGTH BRG TYPE VPH EF H W V/C QUEUE
 * X1 Y1 X2 Y2 * (M) (DEG) (G/MI) (M) (M) (VEH)

1. Link_2 * 7.6 -152.4 7.6 -150.1 * 2. 360. AG 73. 100.0 0.0 7.3 0.10 0.4
2. Link_3 * 7.6 0.0 7.6 152.4 * 152. 360. AG 114. 7.6 0.0 9.7
3. Link_5 * -7.6 152.4 -7.6 147.0 * 5. 180. AG 0. 100.0 0.0 7.3 0.79 0.9
4. Link_7 * -7.6 0.0 -7.6 -152.4 * 152. 180. AG 146. 7.6 0.0 9.7
5. Link_10 * 7.6 0.0 152.4 0.0 * 145. 90. AG 1671. 7.6 0.0 13.4

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)

1. Link_2 * 60 18 2.0 155 1200 45.50 1 3
3. Link_5 * 60 0 2.0 1776 1200 45.50 1 3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

MODEL RESULTS

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

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																				
ANGLE * (PPM)																				
(DEGR) *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
10.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
20.	*	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
30.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
40.	*	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
50.	*	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.5
60.	*	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.6
70.	*	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.7
80.	*	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.8
90.	*	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	0.0	0.0	0.1	0.0	0.4	0.4
100.	*	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.5	0.3	0.8	0.0
110.	*	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.5	0.4	0.7	0.0
120.	*	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.4	0.4	0.6	0.0
130.	*	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.4	0.3	0.5	0.0
140.	*	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
150.	*	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
160.	*	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
170.	*	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
180.	*	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
190.	*	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.0
200.	*	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.0
210.	*	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0
220.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
230.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
240.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
250.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
260.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
270.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
280.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
290.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
300.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
310.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
320.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
340.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
350.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.4
360.	*	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
MAX	*	0.4	0.3	0.3	0.2	0.4	0.3	0.3	0.2	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.4	0.8
DEGR.	*	110	110	120	120	70	40	50	0	110	110	110	110	70	70	60	70	100	110	100

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION									
ANGLE * (PPM)									
(DEGR) *	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	
0.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
10.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
20.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
30.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
40.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
50.	*	0.4	0.3	0.0	0.0	0.0	0.1	0.1	0.1
60.	*	0.4	0.4	0.0	0.0	0.0	0.3	0.3	0.3
70.	*	0.5	0.4	0.0	0.0	0.0	0.5	0.5	0.4
80.	*	0.5	0.3	0.0	0.0	0.0	0.8	0.6	0.4
90.	*	0.1	0.0	0.4	0.2	0.1	0.4	0.2	0.1
100.	*	0.0	0.0	0.8	0.6	0.4	0.0	0.0	0.0
110.	*	0.0	0.0	0.5	0.5	0.4	0.0	0.0	0.0
120.	*	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0
130.	*	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
140.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
160.	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
170.	*	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0
180.	*	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
190.	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
200.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
290.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
320.	*	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
330.	*	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
340.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
350.	*	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
360.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
MAX	*	0.5	0.4	0.8	0.6	0.4	0.8	0.6	0.4
DEGR.	*	70	60	100	100	100	80	80	70

THE HIGHEST CONCENTRATION OF 0.80 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013lvdwntwn S. MLK and I-15 SB On-Ramps EMU With project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
TIME : 16: 4: 1

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-150.1	*	2.	360. AG	73.	100.0	0.0	7.3	0.10	0.4
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	114.	7.6	0.0	9.7		
3. Link_5	*	-7.6	152.4	-7.6	145.9	*	6.	180. AG	0.	100.0	0.0	7.3	0.81	1.1
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	146.	7.6	0.0	9.7		
5. Link_10	*	7.6	0.0	152.4	0.0	*	145.	90. AG	1716.	7.6	0.0	13.4		

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)		
1. Link_2	*	60	18	2.0	155	1200	45.50	1	3
3. Link_5	*	60	0	2.0	1821	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
20.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
30.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.5
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.6
70.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.7
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.8
90.	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	0.0	0.0	0.0	0.1	0.0	0.4	0.4
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.8	0.0
110.	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.0
120.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.0
130.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.0
140.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.0
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.0
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
180.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.0
190.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.0
200.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.0
210.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0
220.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
230.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
290.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310.	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
320.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
340.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
350.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.4
360.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
MAX DEGR.	0.4	0.3	0.3	0.2	0.4	0.3	0.3	0.2	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.6	0.5	0.8	0.8
	110	110	120	120	70	40	50	0	110	110	110	110	70	70	60	60	110	110	100	80

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
10.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
20.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
30.	*	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
40.	*	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
50.	*	0.4	0.3	0.0	0.0	0.0	0.0	0.1	0.1
60.	*	0.5	0.4	0.0	0.0	0.0	0.3	0.3	0.3
70.	*	0.6	0.5	0.0	0.0	0.0	0.5	0.5	0.5
80.	*	0.5	0.3	0.0	0.0	0.0	0.8	0.6	0.4
90.	*	0.1	0.0	0.4	0.2	0.1	0.4	0.2	0.1
100.	*	0.0	0.0	0.8	0.6	0.4	0.0	0.0	0.0
110.	*	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
120.	*	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0
130.	*	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
140.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
160.	*	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
170.	*	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0
180.	*	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
190.	*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
200.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
290.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
320.	*	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
330.	*	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
340.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
350.	*	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
360.	*	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
MAX	*	0.6	0.5	0.8	0.6	0.5	0.8	0.6	0.5
DEGR.	*	70	70	100	100	110	80	80	70

THE HIGHEST CONCENTRATION OF 0.80 PPM OCCURRED AT RECEPTOR REC20.

Downtown Alternative- No Project Output-2030

JOB: 2030lvdwntwn- E. Bonneville and N. Main St- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 19:23:55

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-138.9	* 14.	360. AG	95.	100.0	0.0	11.0	0.56	2.2
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1270.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	140.4	* 12.	180. AG	95.	100.0	0.0	11.0	0.50	2.0
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1103.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	1097.	6.1	0.0	9.7		
6. Link_4	* -152.4	-7.6	122.4	-7.6	* 275.	90. AG	190.	100.0	0.0	11.0	1.23	45.8

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
1. Link_2	* 60	20	2.0	1215	1200	35.50	1	3
3. Link_5	* 60	20	2.0	1078	1200	35.50	1	3
6. Link_4	* 60	40	2.0	1177	1200	35.50	1	3

RECEPTOR LOCATIONS

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RECEPTOR          *      COORDINATES (M)      *
                    *      X          Y          Z          *
-----*-----*-----*-----*-----
1. Rcpt_1           *      29.0       29.0       1.8       *
2. Rcpt_2           *      35.1       35.1       1.8       *
3. Rcpt_3           *      41.1       41.1       1.8       *
4. Rcpt_4           *      47.2       47.2       1.8       *
5. Rcpt_5           *      29.0       -29.0      1.8       *
6. Rcpt_6           *      32.0       -32.0      1.8       *
7. Rcpt_7           *      41.1       -41.1      1.8       *
8. Rcpt_8           *      47.2       -47.2      1.8       *
9. Rcpt_9           *     -29.0        29.0       1.8       *
10. Rcpt_10          *     -35.1       35.1       1.8       *
11. Rcpt_11          *     -41.1       41.1       1.8       *
12. Rcpt_12          *     -47.2       47.2       1.8       *
13. Rcpt_13          *     -29.0       -29.0      1.8       *
14. Rcpt_14          *     -35.1       -35.1      1.8       *
15. Rcpt_15          *     -41.1       -41.1      1.8       *
16. Rcpt_16          *     -47.2       -47.2      1.8       *
17. Rcpt_17          *      16.8        16.8       1.8       *
18. Rcpt_18          *      22.9        22.9       1.8       *
19. Rcpt_19          *      10.7        10.7       1.8       *
20. Rcpt_20          *      10.7       -10.7      1.8       *
21. Rcpt_21          *      16.8       -16.8      1.8       *
22. Rcpt_22          *      22.9       -22.9      1.8       *
23. Rcpt_23          *     -10.7        10.7       1.8       *
24. Rcpt_24          *     -16.8        16.8       1.8       *
25. Rcpt_25          *     -22.9        22.9       1.8       *
26. Rcpt_26          *     -10.7       -10.7      1.8       *
27. Rcpt_27          *     -16.8       -16.8      1.8       *
28. Rcpt_28          *     -22.9       -22.9      1.8       *

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MODEL RESULTS

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

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION																					
ANGLE *	(PPM)																				
(DEGR) *	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.1	0.9	1.5	
10.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.5	1.1	
20.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.1	0.1	0.0	0.6	0.6	0.5	0.4	0.0	0.0	0.2	0.9	
30.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.2	0.1	0.1	0.7	0.6	0.5	0.5	0.0	0.0	0.1	0.8	
40.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.2	0.2	0.1	0.1	0.6	0.6	0.6	0.5	0.0	0.0	0.1	1.0	
50.	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.5	0.2	0.1	0.1	0.1	0.9	0.7	0.7	0.7	0.0	0.0	0.1	1.1	
60.	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.4	0.1	0.1	0.1	0.1	1.0	0.7	0.7	0.6	0.0	0.0	0.1	1.4	
70.	0.0	0.0	0.0	0.0	0.8	0.7	0.3	0.2	0.1	0.1	0.1	0.1	1.1	0.9	0.8	0.8	0.0	0.0	0.1	1.8	
80.	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0	0.1	0.1	0.1	0.1	0.9	0.7	0.5	0.4	0.0	0.0	0.1	2.8	
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.2	3.0	
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.4	0.2	0.8	1.5	
110.	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.5	0.2	0.1	0.1	0.1	0.8	0.6	1.1	0.6	
120.	0.6	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.2	0.1	0.1	0.1	0.7	0.7	0.9	0.3	
130.	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.2	0.1	0.1	0.1	0.7	0.5	0.8	0.3	
140.	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.2	0.2	0.1	0.1	0.6	0.5	0.8	0.3	
150.	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.2	0.2	0.1	0.5	0.4	0.8	0.1	
160.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.2	0.2	0.1	0.1	0.5	0.4	0.9	0.1	
170.	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.1	0.0	0.0	0.5	0.4	0.7	0.1	
180.	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.8	0.2	
190.	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.5	1.0	0.3	
200.	0.6	0.6	0.5	0.4	0.1	0.1	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.9	0.6	1.2	0.4	
210.	0.7	0.5	0.5	0.5	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.7	1.1	0.3	
220.	0.7	0.6	0.6	0.6	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.7	1.0	0.5	
230.	0.7	0.7	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.7	0.8	0.5	
240.	0.6	0.6	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.9	0.5	
250.	0.7	0.6	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.9	0.8	
260.	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	1.0	1.5	
270.	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.2	0.4	2.9	
280.	0.2	0.1	0.1	0.1	0.8	0.7	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.2	0.1	0.0	0.2	0.2	0.2	2.6	
290.	0.2	0.2	0.1	0.1	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.7	0.5	0.4	0.2	0.2	0.2	0.2	1.7	
300.	0.2	0.2	0.1	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.2	0.2	0.2	1.4	
310.	0.2	0.2	0.2	0.2	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.3	0.2	0.3	1.1	
320.	0.2	0.2	0.2	0.2	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.2	0.3	0.9	
330.	0.2	0.2	0.2	0.2	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.4	0.9	
340.	0.3	0.2	0.2	0.1	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.5	0.3	0.5	1.0	
350.	0.2	0.1	0.0	0.0	0.8	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.6	0.3	0.8	1.3	
360.	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.1	0.9	1.5	
MAX	0.7	0.7	0.6	0.6	0.8	0.8	0.6	0.6	0.8	0.7	0.6	0.6	1.1	0.9	0.8	0.8	0.9	0.8	1.2	3.0	
DEGR.	210	230	220	220	60	340	60	290	110	110	120	120	70	70	70	70	200	250	200	90	

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION									
ANGLE * (PPM)									
(DEGR) *		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.1	0.8	0.1	0.0	0.0	0.9	0.6	0.5
10.	*	0.7	0.7	0.3	0.2	0.1	1.1	0.8	0.7
20.	*	0.8	0.7	0.3	0.3	0.2	1.1	1.0	0.7
30.	*	0.8	0.7	0.3	0.2	0.2	1.1	1.0	0.8
40.	*	0.9	0.7	0.2	0.2	0.2	1.1	1.1	0.9
50.	*	1.0	0.8	0.2	0.2	0.2	1.2	1.0	0.9
60.	*	1.2	0.9	0.2	0.2	0.1	1.4	1.2	1.0
70.	*	1.5	1.1	0.2	0.2	0.1	1.7	1.6	1.3
80.	*	1.6	0.9	0.2	0.2	0.1	2.7	1.9	1.4
90.	*	0.7	0.2	0.4	0.2	0.1	3.1	1.0	0.5
100.	*	0.0	0.0	1.1	0.8	0.5	1.5	0.2	0.2
110.	*	0.0	0.0	1.2	1.0	0.8	0.7	0.2	0.2
120.	*	0.0	0.0	0.9	0.8	0.8	0.4	0.2	0.2
130.	*	0.0	0.0	0.7	0.8	0.6	0.4	0.2	0.2
140.	*	0.0	0.0	0.6	0.5	0.6	0.5	0.3	0.2
150.	*	0.0	0.0	0.7	0.5	0.5	0.4	0.3	0.2
160.	*	0.0	0.0	0.7	0.7	0.6	0.5	0.4	0.3
170.	*	0.0	0.0	0.9	0.9	0.6	0.8	0.5	0.3
180.	*	0.0	0.0	1.0	0.7	0.4	0.9	0.2	0.1
190.	*	0.1	0.1	0.6	0.4	0.3	0.5	0.0	0.0
200.	*	0.2	0.2	0.5	0.4	0.3	0.3	0.0	0.0
210.	*	0.2	0.2	0.5	0.4	0.3	0.2	0.0	0.0
220.	*	0.2	0.2	0.5	0.4	0.4	0.3	0.0	0.0
230.	*	0.1	0.1	0.5	0.5	0.4	0.3	0.0	0.0
240.	*	0.1	0.1	0.6	0.5	0.5	0.3	0.0	0.0
250.	*	0.1	0.1	0.7	0.6	0.5	0.6	0.0	0.0
260.	*	0.1	0.1	0.7	0.4	0.2	1.2	0.0	0.0
270.	*	0.8	0.4	0.1	0.0	0.0	2.4	0.6	0.2
280.	*	1.5	1.0	0.0	0.0	0.0	2.1	1.3	0.8
290.	*	1.3	0.9	0.0	0.0	0.0	1.4	1.1	0.8
300.	*	1.2	0.9	0.0	0.0	0.0	1.1	0.9	0.7
310.	*	0.9	0.9	0.0	0.0	0.0	0.9	0.7	0.6
320.	*	1.0	0.8	0.0	0.0	0.0	0.8	0.7	0.5
330.	*	1.0	0.9	0.0	0.0	0.0	0.7	0.6	0.5
340.	*	1.1	1.0	0.0	0.0	0.0	0.8	0.6	0.5
350.	*	1.2	1.1	0.0	0.0	0.0	0.8	0.5	0.5
360.	*	1.1	0.8	0.1	0.0	0.0	0.9	0.6	0.5
MAX	*	1.6	1.1	1.2	1.0	0.8	3.1	1.9	1.4
DEGR.	*	80	70	110	110	110	90	80	80

THE HIGHEST CONCENTRATION OF 3.10 PPM OCCURRED AT RECEPTOR REC26.

JOB: 2030lvdwntwn- W. Bonneville and S. MLK- NO Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 19:26:46

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	LINK COORDINATES (M) Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-141.6	* 11.	360. AG	143.	100.0	0.0	11.0	0.42	1.8
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	579.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	131.4	* 21.	180. AG	143.	100.0	0.0	11.0	0.75	3.5
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1084.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	914.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	106.1	7.6	* 46.	270. AG	95.	100.0	0.0	11.0	0.95	7.7
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	790.	6.1	0.0	13.4		
8. Link_4	* -152.4	-7.6	-140.8	-7.6	* 12.	90. AG	143.	100.0	0.0	11.0	0.45	1.9

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
1. Link_2	* 60	30	2.0	650	1200	35.50	1	3
3. Link_5	* 60	30	2.0	1170	1200	35.50	1	3
6. Link_12	* 60	30	2.0	993	1200	35.50	1	3
8. Link_4	* 60	30	2.0	696	1200	35.50	1	3

RECEPTOR LOCATIONS

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RECEPTOR          *          COORDINATES (M)          *
                    *          X            Y            Z            *
-----*-----*-----*-----*-----*-----*-----*-----*-----*
1. Rcpt_1           *          29.0           29.0           1.8           *
2. Rcpt_2           *          35.1           35.1           1.8           *
3. Rcpt_3           *          41.1           41.1           1.8           *
4. Rcpt_4           *          47.2           47.2           1.8           *
5. Rcpt_5           *          29.0           -29.0          1.8           *
6. Rcpt_6           *          32.0           -32.0          1.8           *
7. Rcpt_7           *          41.1           -41.1          1.8           *
8. Rcpt_8           *          47.2           -47.2          1.8           *
9. Rcpt_9           *          -29.0           29.0           1.8           *
10. Rcpt_10         *          -35.1           35.1           1.8           *
11. Rcpt_11         *          -41.1           41.1           1.8           *
12. Rcpt_12         *          -47.2           47.2           1.8           *
13. Rcpt_13         *          -29.0           -29.0          1.8           *
14. Rcpt_14         *          -35.1           -35.1          1.8           *
15. Rcpt_15         *          -41.1           -41.1          1.8           *
16. Rcpt_16         *          -47.2           -47.2          1.8           *
17. Rcpt_17         *           16.8            16.8           1.8           *
18. Rcpt_18         *           22.9            22.9           1.8           *
19. Rcpt_19         *           10.7            10.7           1.8           *
20. Rcpt_20         *           10.7           -10.7          1.8           *
21. Rcpt_21         *           16.8           -16.8          1.8           *
22. Rcpt_22         *           22.9           -22.9          1.8           *
23. Rcpt_23         *          -10.7            10.7           1.8           *
24. Rcpt_24         *          -16.8            16.8           1.8           *
25. Rcpt_25         *          -22.9            22.9           1.8           *
26. Rcpt_26         *          -10.7           -10.7          1.8           *
27. Rcpt_27         *          -16.8           -16.8          1.8           *
28. Rcpt_28         *          -22.9           -22.9          1.8           *

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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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.4	0.5
10.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.2	0.3
20.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.1	0.2
30.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.2
40.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
50.	*	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.2
60.	*	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.3
70.	*	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.4
80.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.6
90.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6
100.	*	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3
110.	*	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2
120.	*	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1
130.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1
140.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
150.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1
160.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1
170.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.2	0.1
180.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.2
190.	*	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.5	0.2
200.	*	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.3
210.	*	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.2
220.	*	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.3
230.	*	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
240.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3
250.	*	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
260.	*	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.3
270.	*	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.5	0.4
280.	*	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.5
290.	*	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.5
300.	*	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
310.	*	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
320.	*	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
330.	*	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.4
340.	*	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.3
350.	*	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.5
360.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.4	0.5
MAX	*	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.6
DEGR.	*	200	200	110	120	60	60	310	310	100	100	160	160	70	70	70	70	200	210	190	80

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.3	0.2	0.1	0.1	0.0	0.4	0.2	0.1
10.	*	0.2	0.1	0.1	0.2	0.1	0.4	0.3	0.2
20.	*	0.2	0.1	0.1	0.1	0.1	0.4	0.3	0.2
30.	*	0.2	0.2	0.1	0.1	0.1	0.4	0.4	0.3
40.	*	0.2	0.2	0.1	0.1	0.1	0.3	0.3	0.3
50.	*	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.2
60.	*	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.3
70.	*	0.4	0.3	0.2	0.1	0.1	0.4	0.4	0.4
80.	*	0.5	0.3	0.2	0.1	0.1	0.7	0.7	0.6
90.	*	0.2	0.1	0.4	0.2	0.2	0.7	0.4	0.3
100.	*	0.0	0.0	0.4	0.4	0.3	0.4	0.2	0.2
110.	*	0.0	0.0	0.5	0.4	0.3	0.2	0.2	0.2
120.	*	0.0	0.0	0.4	0.4	0.3	0.2	0.2	0.2
130.	*	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.2
140.	*	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.2
150.	*	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2
160.	*	0.0	0.0	0.3	0.4	0.4	0.4	0.4	0.3
170.	*	0.0	0.0	0.6	0.6	0.4	0.6	0.5	0.3
180.	*	0.0	0.0	0.7	0.4	0.2	0.8	0.2	0.1
190.	*	0.1	0.1	0.3	0.1	0.1	0.4	0.0	0.0
200.	*	0.2	0.2	0.1	0.1	0.1	0.2	0.0	0.0
210.	*	0.2	0.2	0.1	0.2	0.1	0.1	0.0	0.0
220.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0
230.	*	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.0
240.	*	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.0
250.	*	0.1	0.1	0.3	0.3	0.2	0.1	0.0	0.0
260.	*	0.1	0.1	0.5	0.4	0.2	0.1	0.0	0.0
270.	*	0.1	0.1	0.5	0.2	0.1	0.1	0.0	0.0
280.	*	0.3	0.2	0.3	0.0	0.0	0.3	0.1	0.1
290.	*	0.4	0.2	0.1	0.0	0.0	0.3	0.2	0.1
300.	*	0.4	0.3	0.1	0.0	0.0	0.3	0.1	0.1
310.	*	0.3	0.2	0.0	0.0	0.0	0.2	0.1	0.1
320.	*	0.3	0.3	0.1	0.0	0.0	0.2	0.1	0.1
330.	*	0.3	0.3	0.1	0.0	0.0	0.2	0.1	0.1
340.	*	0.3	0.2	0.0	0.0	0.0	0.2	0.1	0.1
350.	*	0.5	0.4	0.0	0.0	0.0	0.3	0.1	0.1
360.	*	0.3	0.2	0.1	0.1	0.0	0.4	0.2	0.1
MAX	*	0.5	0.4	0.7	0.6	0.4	0.8	0.7	0.6
DEGR.	*	80	350	180	170	160	180	80	80

THE HIGHEST CONCENTRATION OF 0.80 PPM OCCURRED AT RECEPTOR REC26.

JOB: 2030lvdwntwn- S. Grand Central Pkwy and W. Charleston- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 19:31: 3

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-151.7	*	1.	360. AG	286.	100.0	0.0	7.3	0.05	0.1
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	23.	6.1	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	-295.9	*	448.	180. AG	286.	100.0	0.0	14.6	1.59	74.7
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	596.	6.1	0.0	9.7		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2718.	6.1	0.0	17.0		
6. Link_12	*	152.4	7.6	140.2	7.6	*	12.	270. AG	119.	100.0	0.0	18.3	0.59	2.0
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2480.	6.1	0.0	17.0		
8. Link_4	*	-152.4	-7.6	-142.9	-7.6	*	10.	90. AG	119.	100.0	0.0	14.6	0.47	1.6

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)		
1. Link_2	*	60	45	2.0	41	1200	35.50	1	3
3. Link_5	*	60	45	2.0	1398	1200	35.50	1	3
6. Link_12	*	60	15	2.0	2437	1200	35.50	1	3
8. Link_4	*	60	15	2.0	1914	1200	35.50	1	3

RECEPTOR LOCATIONS

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*                COORDINATES (M)                *
*                X                Y                Z                *
-----*-----*-----*-----*-----*
1. Rcpt_1        *                29.0            29.0            1.8        *
2. Rcpt_2        *                35.1            35.1            1.8        *
3. Rcpt_3        *                41.1            41.1            1.8        *
4. Rcpt_4        *                47.2            47.2            1.8        *
5. Rcpt_5        *                29.0            -29.0           1.8        *
6. Rcpt_6        *                32.0            -32.0           1.8        *
7. Rcpt_7        *                41.1            -41.1           1.8        *
8. Rcpt_8        *                47.2            -47.2           1.8        *
9. Rcpt_9        *               -29.0            29.0            1.8        *
10. Rcpt_10       *               -35.1            35.1            1.8        *
11. Rcpt_11       *               -41.1            41.1            1.8        *
12. Rcpt_12       *               -47.2            47.2            1.8        *
13. Rcpt_13       *               -29.0            -29.0           1.8        *
14. Rcpt_14       *               -35.1            -35.1           1.8        *
15. Rcpt_15       *               -41.1            -41.1           1.8        *
16. Rcpt_16       *               -47.2            -47.2           1.8        *
17. Rcpt_17       *                16.8            16.8            1.8        *
18. Rcpt_18       *                22.9            22.9            1.8        *
19. Rcpt_19       *                10.7            10.7            1.8        *
20. Rcpt_20       *                10.7            -10.7           1.8        *
21. Rcpt_21       *                16.8            -16.8           1.8        *
22. Rcpt_22       *                22.9            -22.9           1.8        *
23. Rcpt_23       *               -10.7            10.7            1.8        *
24. Rcpt_24       *               -16.8            16.8            1.8        *
25. Rcpt_25       *               -22.9            22.9            1.8        *
26. Rcpt_26       *               -10.7            -10.7           1.8        *
27. Rcpt_27       *               -16.8            -16.8           1.8        *
28. Rcpt_28       *               -22.9            -22.9           1.8        *

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MODEL RESULTS

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

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION

ANGLE * (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	* 0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.3	0.3	0.2	0.1	0.0	0.2	0.7
10.	* 0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.7	0.4	0.1	0.0	1.4	1.0	0.8	0.6	0.0	0.0	0.0	0.4
20.	* 0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	1.0	0.8	0.6	0.4	1.4	1.2	1.0	1.0	0.0	0.0	0.0	0.4
30.	* 0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.9	0.8	0.7	0.6	1.1	1.0	0.9	0.9	0.0	0.0	0.0	0.5
40.	* 0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.8	0.7	0.6	0.6	1.0	0.9	0.7	0.7	0.0	0.0	0.0	0.5
50.	* 0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.7	0.6	0.6	0.6	1.0	0.9	0.9	0.9	0.0	0.0	0.0	0.6
60.	* 0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.7	0.6	0.5	0.5	1.2	1.1	1.0	1.0	0.0	0.0	0.0	0.8
70.	* 0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.2	0.7	0.6	0.5	0.5	1.4	1.2	1.1	1.0	0.0	0.0	0.0	0.9
80.	* 0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.6	0.6	0.5	0.5	1.3	1.2	0.9	0.8	0.0	0.0	0.0	1.4
90.	* 0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.8	0.8	0.6	0.6	0.0	0.0	0.2	1.7
100.	* 0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.6	0.6	0.7	0.7	0.6	0.6	0.4	0.2	0.6	1.0
110.	* 0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.2	1.0	0.9	0.8	0.8	0.7	0.6	0.6	0.6	0.5	0.7	0.5
120.	* 0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.0	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.6	0.3
130.	* 0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.1	1.1	1.1	0.8	0.7	0.7	0.7	0.4	0.4	0.5	0.2
140.	* 0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.4	1.2	1.0	1.0	0.9	0.8	0.7	0.7	0.4	0.3	0.5	0.2
150.	* 0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.4	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.4	0.3	0.4	0.2
160.	* 0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.5	1.4	1.3	1.2	1.2	1.1	1.0	0.8	0.4	0.3	0.4	0.2
170.	* 0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.8	1.5	1.4	1.1	1.4	1.0	0.8	0.6	0.3	0.3	0.4	0.2
180.	* 0.5	0.4	0.4	0.2	0.1	0.1	0.0	0.0	0.8	0.6	0.5	0.4	0.4	0.2	0.1	0.1	0.7	0.6	1.1	0.8
190.	* 1.2	1.0	0.9	0.7	0.7	0.6	0.4	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.4	2.0	1.8
200.	* 1.2	1.2	1.1	1.0	0.9	0.9	0.7	0.6	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.4	1.3	1.7	1.5
210.	* 1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.6	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.2	1.2	1.3	1.3
220.	* 0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.9	1.0	1.1
230.	* 0.8	0.7	0.6	0.6	0.7	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.7	1.0	1.2
240.	* 0.8	0.8	0.8	0.7	0.6	0.6	0.6	0.4	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.9	0.8	1.1	1.2
250.	* 1.0	0.9	0.9	0.8	0.6	0.6	0.4	0.4	0.6	0.5	0.3	0.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
260.	* 1.1	0.9	0.7	0.6	0.6	0.6	0.5	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.6	1.3	1.7	1.2
270.	* 0.6	0.6	0.4	0.4	0.6	0.6	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.8	2.0	1.4
280.	* 0.5	0.5	0.4	0.4	0.8	0.8	0.6	0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.7	0.5	1.3	1.9
290.	* 0.5	0.4	0.4	0.4	1.0	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.6	0.6	0.9	1.8
300.	* 0.5	0.5	0.5	0.4	1.2	1.1	1.0	0.7	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.6	0.5	0.8	1.8
310.	* 0.6	0.5	0.5	0.4	1.2	1.2	1.0	0.8	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6	0.6	0.8	1.7
320.	* 0.6	0.6	0.5	0.5	1.2	1.2	0.9	0.9	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.7	0.8	1.6
330.	* 0.7	0.6	0.5	0.4	1.1	1.1	0.9	0.9	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.8	0.8	1.0	1.6
340.	* 0.6	0.4	0.2	0.1	1.2	1.1	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.0	0.8	1.2	1.7
350.	* 0.1	0.0	0.0	0.0	0.8	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.6	0.3	1.1	1.6
360.	* 0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.3	0.3	0.2	0.1	0.0	0.2	0.7
MAX	* 1.2	1.2	1.1	1.0	1.2	1.2	1.0	0.9	1.8	1.5	1.4	1.2	1.4	1.2	1.1	1.0	1.6	1.4	2.0	1.9
DEGR.	* 190	200	200	200	300	310	300	320	170	170	170	160	10	20	70	20	190	190	190	280

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.5	3.3	1.1	0.3	3.7	1.6	0.8	
10.	*	0.5	0.4	2.9	2.2	1.3	3.2	2.6	1.8	
20.	*	0.5	0.4	2.0	1.8	1.3	2.3	2.1	1.6	
30.	*	0.5	0.5	1.6	1.4	1.1	1.8	1.8	1.4	
40.	*	0.6	0.5	1.2	1.1	0.9	1.2	1.3	1.1	
50.	*	0.7	0.6	1.2	1.0	0.9	1.1	1.2	1.2	
60.	*	0.8	0.6	1.1	0.9	0.8	1.2	1.3	1.3	
70.	*	1.0	0.8	1.1	0.9	0.7	1.4	1.6	1.4	
80.	*	1.4	0.8	1.1	0.8	0.7	2.0	2.0	1.7	
90.	*	0.8	0.2	1.3	1.1	0.7	2.2	1.8	1.1	
100.	*	0.1	0.0	1.9	1.6	1.1	1.5	1.0	0.8	
110.	*	0.0	0.0	1.9	1.9	1.3	1.1	1.0	0.8	
120.	*	0.0	0.0	1.9	1.8	1.5	0.9	1.0	0.9	
130.	*	0.0	0.0	1.8	1.9	1.7	1.0	1.1	1.0	
140.	*	0.0	0.0	1.7	1.8	1.5	1.2	1.2	1.0	
150.	*	0.0	0.0	2.0	2.1	1.7	1.6	1.6	1.2	
160.	*	0.0	0.0	2.4	2.4	1.8	2.1	2.0	1.5	
170.	*	0.0	0.0	3.5	3.1	2.3	3.2	2.7	1.8	
180.	*	0.3	0.2	4.5	2.4	1.4	4.2	1.8	0.8	
190.	*	1.3	0.9	2.3	0.6	0.4	2.0	0.2	0.0	
200.	*	1.1	1.0	1.2	0.5	0.4	0.9	0.0	0.0	
210.	*	0.9	0.9	0.9	0.5	0.4	0.5	0.0	0.0	
220.	*	0.8	0.8	0.8	0.5	0.5	0.3	0.0	0.0	
230.	*	0.7	0.7	0.9	0.6	0.5	0.3	0.0	0.0	
240.	*	0.7	0.6	1.0	0.7	0.6	0.3	0.0	0.0	
250.	*	0.7	0.7	1.2	0.9	0.7	0.3	0.0	0.0	
260.	*	0.7	0.6	1.6	1.3	0.7	0.3	0.0	0.0	
270.	*	1.0	0.6	1.8	0.8	0.2	0.4	0.0	0.0	
280.	*	1.5	0.9	1.2	0.1	0.0	0.9	0.4	0.2	
290.	*	1.6	1.3	0.8	0.0	0.0	0.9	0.5	0.4	
300.	*	1.7	1.3	0.6	0.0	0.0	0.8	0.5	0.4	
310.	*	1.5	1.3	0.5	0.0	0.0	0.8	0.4	0.4	
320.	*	1.5	1.4	0.5	0.0	0.0	0.7	0.3	0.3	
330.	*	1.4	1.4	0.7	0.0	0.0	0.9	0.4	0.3	
340.	*	1.5	1.3	1.0	0.0	0.0	1.3	0.3	0.3	
350.	*	1.3	1.0	1.9	0.1	0.0	2.2	0.4	0.3	
360.	*	0.6	0.5	3.3	1.1	0.3	3.7	1.6	0.8	
MAX	*	1.7	1.4	4.5	3.1	2.3	4.2	2.7	1.8	
DEGR.	*	300	320	180	170	170	180	170	170	

THE HIGHEST CONCENTRATION OF 4.50 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030lvdwntwn- S. Main and W. Charleston Ave- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 19:32:47

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-114.1	* 38.	360. AG	200.	100.0	0.0	11.0	0.97	6.4
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	842.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	-110.2	* 263.	180. AG	267.	100.0	0.0	11.0	1.25	43.8
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1422.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	1769.	6.1	0.0	17.0		
6. Link_12	* 152.4	7.6	138.4	7.6	* 14.	270. AG	114.	100.0	0.0	14.6	0.61	2.3
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	1811.	6.1	0.0	17.0		
8. Link_4	* -152.4	-7.6	-139.2	-7.6	* 13.	90. AG	114.	100.0	0.0	14.6	0.58	2.2

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
1. Link_2	* 60	42	2.0	815	1200	35.50	1	3
3. Link_5	* 60	42	2.0	1398	1200	35.50	1	3
6. Link_12	* 60	18	2.0	1867	1200	35.50	1	3
8. Link_4	* 60	18	2.0	1756	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.3	0.1	0.8	1.1
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.6	0.3	0.1	0.0	1.3	1.0	0.7	0.6	0.0	0.0	0.3	0.5
20.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.0	0.9	0.6	0.3	1.3	1.1	1.1	1.0	0.0	0.0	0.1	0.3
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.9	0.8	0.7	0.7	1.2	1.0	0.9	0.9	0.0	0.0	0.1	0.3
40.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.8	0.7	0.7	0.6	1.1	0.9	0.9	0.8	0.0	0.0	0.0	0.3
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.7	0.7	0.6	0.6	1.0	0.9	0.8	0.8	0.0	0.0	0.1	0.4
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.6	0.6	0.6	1.0	0.9	0.9	0.8	0.0	0.0	0.1	0.5
70.	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.1	0.7	0.6	0.5	0.5	1.2	1.1	0.9	0.8	0.0	0.0	0.0	0.6
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.7	0.6	0.6	0.5	1.2	1.0	0.9	0.7	0.0	0.0	0.1	0.9
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.5	0.9	0.7	0.7	0.5	0.0	0.0	0.2	1.1
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.7	0.7	0.6	0.8	0.7	0.7	0.5	0.3	0.1	0.4	0.6
110.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.0	0.9	0.7	0.7	0.8	0.7	0.6	0.5	0.4	0.3	0.5	0.3
120.	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	1.1	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.3	0.3	0.4	0.2
130.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	1.0	0.8	0.8	0.8	0.8	0.7	0.7	0.3	0.3	0.4	0.1
140.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.0	1.0	0.9	0.9	0.8	0.9	0.8	0.2	0.2	0.4	0.1
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.1	1.0	1.0	1.2	1.1	0.9	0.6	0.3	0.2	0.4	0.2
160.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	1.7	1.4	1.2	1.1	1.3	0.8	0.4	0.1	0.2	0.2	0.4	0.1
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.0	0.8	0.6	0.6	0.2	0.0	0.0	0.2	0.2	0.4	0.1
180.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.8	0.5
190.	0.6	0.5	0.5	0.3	0.2	0.2	0.1	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	0.8	1.7	1.1
200.	1.0	0.9	0.8	0.8	0.5	0.5	0.4	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.5	1.2	1.8	1.5
210.	1.0	1.0	0.9	0.9	0.7	0.6	0.4	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.2	1.5	1.3
220.	1.0	0.9	0.8	0.7	0.7	0.7	0.6	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.0	1.3	1.2
230.	0.8	0.7	0.7	0.7	0.7	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.0	0.9	1.1	1.0
240.	0.9	0.8	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.0	0.8	1.1	1.0
250.	0.9	0.9	0.8	0.7	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	1.1	1.0	1.1	1.0
260.	0.9	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.3	1.2	1.4	1.0
270.	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.8	1.6	1.2
280.	0.5	0.5	0.5	0.5	0.7	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.7	0.6	1.1	1.6
290.	0.5	0.5	0.5	0.4	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.7	0.6	0.8	1.6
300.	0.6	0.6	0.5	0.5	1.0	1.0	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.7	0.6	0.8	1.4
310.	0.6	0.5	0.5	0.5	1.0	1.0	0.8	0.8	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.8	0.7	0.8	1.2
320.	0.7	0.6	0.6	0.5	1.0	0.8	0.9	0.8	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.9	0.8	1.0	1.3
330.	0.8	0.7	0.6	0.4	1.0	1.0	0.8	0.8	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.0	0.9	1.2	1.4
340.	0.7	0.4	0.3	0.2	1.1	1.1	0.9	0.8	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.2	0.9	1.3	1.5
350.	0.2	0.1	0.0	0.0	0.8	0.7	0.5	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.0	0.5	1.5	1.8
360.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.3	0.1	0.8	1.1
MAX	1.0	1.0	0.9	0.9	1.1	1.1	0.9	0.8	1.7	1.4	1.2	1.1	1.3	1.1	1.1	1.0	1.5	1.2	1.8	1.8
DEGR.	200	210	210	210	340	340	320	310	160	160	160	160	10	20	20	20	200	200	200	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.4	3.3	0.9	0.3	4.1	1.2	0.6
10.	*	0.3	0.3	3.2	1.9	1.2	3.7	2.3	1.6
20.	*	0.3	0.3	2.2	1.7	1.2	2.6	2.1	1.6
30.	*	0.3	0.3	1.7	1.3	1.0	2.1	1.8	1.3
40.	*	0.4	0.3	1.3	1.1	0.9	1.6	1.5	1.2
50.	*	0.4	0.4	1.3	1.0	0.8	1.5	1.4	1.2
60.	*	0.5	0.4	1.2	1.0	0.8	1.5	1.4	1.1
70.	*	0.7	0.5	1.1	0.9	0.8	1.3	1.5	1.3
80.	*	0.9	0.5	1.1	0.9	0.7	1.7	1.8	1.4
90.	*	0.5	0.1	1.3	1.1	0.7	1.9	1.6	1.0
100.	*	0.1	0.0	1.7	1.4	0.9	1.4	1.2	0.8
110.	*	0.0	0.0	1.7	1.6	1.2	1.2	1.1	0.9
120.	*	0.0	0.0	1.8	1.6	1.3	1.2	1.2	0.9
130.	*	0.0	0.0	1.6	1.6	1.2	1.3	1.2	0.9
140.	*	0.0	0.0	1.7	1.7	1.3	1.4	1.3	1.1
150.	*	0.0	0.0	1.9	1.9	1.4	1.8	1.6	1.2
160.	*	0.0	0.0	2.5	2.1	1.7	2.5	2.1	1.7
170.	*	0.0	0.0	3.9	2.9	1.9	3.7	2.4	1.4
180.	*	0.2	0.1	4.3	1.5	0.8	4.0	0.9	0.2
190.	*	0.7	0.4	2.1	0.4	0.3	2.0	0.0	0.0
200.	*	1.0	0.6	1.0	0.3	0.3	0.8	0.0	0.0
210.	*	1.0	0.8	0.6	0.4	0.3	0.4	0.0	0.0
220.	*	0.9	0.8	0.5	0.4	0.3	0.3	0.0	0.0
230.	*	0.8	0.8	0.6	0.4	0.4	0.3	0.0	0.0
240.	*	0.7	0.7	0.7	0.5	0.4	0.3	0.0	0.0
250.	*	0.7	0.7	0.7	0.7	0.5	0.2	0.0	0.0
260.	*	0.7	0.7	1.1	0.9	0.5	0.3	0.0	0.0
270.	*	0.9	0.7	1.3	0.6	0.1	0.4	0.0	0.0
280.	*	1.2	0.9	0.9	0.1	0.0	0.7	0.3	0.1
290.	*	1.4	1.1	0.4	0.0	0.0	0.7	0.4	0.3
300.	*	1.2	1.1	0.4	0.0	0.0	0.7	0.3	0.3
310.	*	1.3	1.2	0.3	0.0	0.0	0.6	0.3	0.3
320.	*	1.3	1.0	0.3	0.0	0.0	0.6	0.3	0.2
330.	*	1.3	1.1	0.5	0.0	0.0	0.7	0.3	0.2
340.	*	1.4	1.3	0.7	0.0	0.0	1.1	0.2	0.2
350.	*	1.5	1.1	1.6	0.1	0.0	2.0	0.3	0.2
360.	*	0.6	0.4	3.3	0.9	0.3	4.1	1.2	0.6
MAX	*	1.5	1.3	4.3	2.9	1.9	4.1	2.4	1.7
DEGR.	*	350	340	180	170	170	0	170	160

THE HIGHEST CONCENTRATION OF 4.30 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030lvdwntwn- I-15 Ramps and Charleston- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 19:35:46

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-134.7	* 18.	360. AG	181.	100.0	0.0	11.0	0.72	2.9
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1831.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	132.3	* 20.	180. AG	241.	100.0	0.0	11.0	0.76	3.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1314.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	701.	6.1	0.0	17.0		
6. Link_12	* 152.4	7.6	139.6	7.6	* 13.	270. AG	175.	100.0	0.0	18.3	0.51	2.1
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	1176.	6.1	0.0	17.0		
8. Link_4	* -152.4	-7.6	-142.1	-7.6	* 10.	90. AG	175.	100.0	0.0	18.3	0.41	1.7

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
1. Link_2	* 60	38	2.0	774	1200	35.50	1	3
3. Link_5	* 60	38	2.0	1101	1200	35.50	1	3
6. Link_12	* 60	22	2.0	1746	1200	35.50	1	3
8. Link_4	* 60	22	2.0	1401	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.1	1.4	1.2
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.7	0.5
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.3	0.2
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.5	0.3	0.3	0.3	0.0	0.0	0.2	0.1
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.1
50.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.1	0.2
60.	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.2
70.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.1	0.2
80.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.2	0.0	0.0	0.1	0.5
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.2	0.4
100.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.3
110.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.1
120.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.0
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.0
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.1	0.1	0.3	0.1
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.3	0.4	0.3	0.3	0.1	0.1	0.1	0.3	0.1
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.4	0.1
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.6	0.3
190.	0.2	0.3	0.3	0.1	0.1	0.1	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.7	0.3
200.	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.4	0.8	0.3
210.	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.8	0.3
220.	0.4	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.3
230.	0.5	0.4	0.4	0.4	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.3
240.	0.5	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.3
250.	0.6	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.3
260.	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.7	0.8	0.3
270.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.9	0.4
280.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.3	0.6	0.6
290.	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.3	0.3	0.4	0.6
300.	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.4
310.	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.4	0.3	0.4	0.3
320.	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3
330.	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.4
340.	0.5	0.4	0.3	0.1	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.7	0.6	0.7	0.5
350.	0.4	0.1	0.1	0.0	0.6	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.9	0.6	1.2	1.0
360.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.1	1.4	1.2
MAX	0.6	0.4	0.4	0.4	0.6	0.6	0.5	0.5	0.6	0.5	0.3	0.3	0.5	0.4	0.4	0.4	0.9	0.7	1.4	1.2
DEGR.	250	210	230	230	350	350	340	340	170	160	20	110	30	20	40	40	350	260	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.3	0.3	0.1	0.1	0.6	0.4	0.2
10.	*	0.1	0.1	0.5	0.3	0.2	0.9	0.5	0.4
20.	*	0.1	0.1	0.6	0.4	0.3	1.0	0.8	0.4
30.	*	0.1	0.1	0.5	0.3	0.3	0.8	0.6	0.5
40.	*	0.2	0.1	0.4	0.3	0.3	0.6	0.7	0.5
50.	*	0.2	0.1	0.4	0.2	0.2	0.4	0.5	0.4
60.	*	0.2	0.2	0.4	0.2	0.2	0.4	0.5	0.3
70.	*	0.3	0.2	0.5	0.2	0.2	0.3	0.4	0.4
80.	*	0.5	0.3	0.5	0.2	0.2	0.5	0.5	0.4
90.	*	0.2	0.1	0.5	0.3	0.2	0.6	0.4	0.3
100.	*	0.0	0.0	0.7	0.4	0.3	0.4	0.2	0.2
110.	*	0.0	0.0	0.6	0.6	0.4	0.3	0.2	0.2
120.	*	0.0	0.0	0.5	0.5	0.4	0.2	0.3	0.2
130.	*	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.2
140.	*	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3
150.	*	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.3
160.	*	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
170.	*	0.0	0.0	0.9	0.8	0.7	0.9	0.7	0.4
180.	*	0.1	0.0	0.9	0.5	0.3	0.9	0.3	0.1
190.	*	0.3	0.2	0.5	0.2	0.2	0.5	0.0	0.0
200.	*	0.3	0.2	0.3	0.2	0.2	0.2	0.0	0.0
210.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
220.	*	0.2	0.2	0.2	0.3	0.2	0.1	0.0	0.0
230.	*	0.2	0.2	0.3	0.3	0.2	0.1	0.0	0.0
240.	*	0.2	0.1	0.3	0.3	0.3	0.1	0.0	0.0
250.	*	0.2	0.2	0.4	0.4	0.3	0.1	0.0	0.0
260.	*	0.2	0.1	0.6	0.6	0.3	0.1	0.0	0.0
270.	*	0.2	0.1	0.7	0.4	0.1	0.2	0.0	0.0
280.	*	0.5	0.3	0.4	0.1	0.0	0.4	0.2	0.1
290.	*	0.6	0.4	0.2	0.0	0.0	0.4	0.2	0.2
300.	*	0.4	0.4	0.1	0.0	0.0	0.3	0.2	0.2
310.	*	0.4	0.4	0.1	0.0	0.0	0.3	0.2	0.2
320.	*	0.3	0.3	0.1	0.0	0.0	0.3	0.2	0.1
330.	*	0.3	0.4	0.1	0.0	0.0	0.3	0.2	0.1
340.	*	0.5	0.5	0.1	0.0	0.0	0.4	0.2	0.1
350.	*	1.0	0.8	0.1	0.0	0.0	0.4	0.1	0.1
360.	*	0.6	0.3	0.3	0.1	0.1	0.6	0.4	0.2
MAX	*	1.0	0.8	0.9	0.8	0.7	1.0	0.8	0.5
DEGR.	*	350	350	170	170	170	20	20	30

THE HIGHEST CONCENTRATION OF 1.40 PPM OCCURRED AT RECEPTOR REC19.

Downtown Alternative- With Project Output-2030

JOB: 2013lvdwntwn E. Bonneville and N. Main St DEMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:42: 6

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-137.7	* 15.	360. AG	95.	100.0	0.0	11.0	0.61	2.5
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1365.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	139.8	* 13.	180. AG	95.	100.0	0.0	11.0	0.52	2.1
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1160.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	1151.	6.1	0.0	9.7		
6. Link_4	* -152.4	-7.6	163.4	-7.6	* 316.	90. AG	190.	100.0	0.0	11.0	1.27	52.6

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
1. Link_2	* 60	20	2.0	1324	1200	35.50	1	3
3. Link_5	* 60	20	2.0	1135	1200	35.50	1	3
6. Link_4	* 60	40	2.0	1217	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

MODEL RESULTS

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

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	*	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.1	0.9	1.5
10.	*	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.5	1.1
20.	*	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.2	0.1	0.1	0.0	0.6	0.6	0.5	0.5	0.0	0.0	0.2	0.9
30.	*	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.2	0.1	0.1	0.7	0.6	0.5	0.5	0.0	0.0	0.1	0.8
40.	*	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.2	0.2	0.2	0.1	0.7	0.7	0.6	0.5	0.0	0.0	0.1	1.0
50.	*	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.5	0.2	0.2	0.1	0.1	0.9	0.7	0.7	0.7	0.0	0.0	0.1	1.1
60.	*	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.5	0.1	0.1	0.1	0.1	1.0	0.8	0.7	0.6	0.0	0.0	0.1	1.4
70.	*	0.0	0.0	0.0	0.0	0.9	0.8	0.5	0.4	0.1	0.1	0.1	0.1	1.1	0.9	0.8	0.8	0.0	0.0	0.1	1.8
80.	*	0.0	0.0	0.0	0.0	0.7	0.5	0.1	0.0	0.1	0.1	0.1	0.1	1.1	0.8	0.6	0.5	0.0	0.0	0.1	2.9
90.	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.2	0.1	0.1	0.1	0.0	0.3	3.3
100.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.6	0.4	1.0	1.5
110.	*	0.5	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.8	0.8	0.6	0.6	0.2	0.1	0.1	0.1	0.8	0.7	1.1	0.6
120.	*	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.2	0.1	0.1	0.1	0.7	0.7	0.9	0.3
130.	*	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.2	0.2	0.1	0.1	0.7	0.6	0.8	0.3
140.	*	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.2	0.2	0.2	0.1	0.6	0.5	0.8	0.3
150.	*	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.2	0.2	0.2	0.2	0.5	0.4	0.8	0.1
160.	*	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.5	0.4	0.9	0.1
170.	*	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.2	0.1	0.0	0.0	0.5	0.4	0.8	0.1
180.	*	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.9	0.2
190.	*	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.5	1.1	0.4
200.	*	0.6	0.6	0.6	0.4	0.1	0.1	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.9	0.6	1.2	0.4
210.	*	0.7	0.6	0.5	0.5	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.7	1.1	0.3
220.	*	0.8	0.6	0.6	0.6	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.7	1.0	0.5
230.	*	0.7	0.7	0.6	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.7	0.9	0.5
240.	*	0.6	0.6	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.7	0.9	0.5
250.	*	0.7	0.6	0.6	0.5	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.9	0.8
260.	*	0.5	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	1.0	1.5
270.	*	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.2	0.4	2.9
280.	*	0.2	0.2	0.1	0.1	0.8	0.7	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.2	0.1	0.0	0.2	0.2	0.2	2.6
290.	*	0.2	0.2	0.1	0.1	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.7	0.5	0.4	0.2	0.2	0.2	0.2	1.8
300.	*	0.2	0.2	0.1	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.3	0.2	0.3	1.4
310.	*	0.2	0.2	0.2	0.2	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.3	0.2	0.3	1.1
320.	*	0.2	0.2	0.2	0.2	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3	0.3	1.1
330.	*	0.3	0.2	0.2	0.2	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.4	0.9
340.	*	0.3	0.2	0.2	0.1	0.9	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.5	0.4	0.5	1.1
350.	*	0.2	0.1	0.0	0.0	0.8	0.8	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.6	0.4	0.8	1.4
360.	*	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.1	0.9	1.5
MAX	*	0.8	0.7	0.6	0.6	0.9	0.8	0.7	0.6	0.8	0.8	0.6	0.6	1.1	0.9	0.8	0.8	0.9	0.8	1.2	3.3
DEGR.	*	220	230	200	220	70	70	60	290	110	110	110	110	70	70	70	70	200	250	200	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.1	0.8	0.1	0.0	0.0	0.9	0.6	0.5	
10.	*	0.7	0.7	0.3	0.2	0.1	1.1	0.8	0.7	
20.	*	0.8	0.7	0.3	0.3	0.2	1.1	1.1	0.8	
30.	*	0.8	0.7	0.3	0.2	0.2	1.2	1.0	0.8	
40.	*	0.9	0.7	0.2	0.2	0.2	1.1	1.1	0.9	
50.	*	1.0	0.8	0.2	0.2	0.2	1.2	1.0	1.0	
60.	*	1.2	0.9	0.2	0.2	0.2	1.4	1.3	1.1	
70.	*	1.5	1.1	0.2	0.2	0.2	1.7	1.6	1.3	
80.	*	1.8	1.1	0.2	0.2	0.2	2.8	2.1	1.5	
90.	*	0.9	0.3	0.5	0.3	0.2	3.2	1.3	0.6	
100.	*	0.0	0.0	1.3	1.0	0.7	1.5	0.3	0.2	
110.	*	0.0	0.0	1.3	1.0	1.0	0.7	0.2	0.2	
120.	*	0.0	0.0	0.9	0.8	0.8	0.4	0.2	0.2	
130.	*	0.0	0.0	0.7	0.8	0.6	0.4	0.3	0.2	
140.	*	0.0	0.0	0.6	0.6	0.6	0.5	0.3	0.2	
150.	*	0.0	0.0	0.7	0.5	0.5	0.5	0.3	0.3	
160.	*	0.0	0.0	0.7	0.7	0.6	0.6	0.4	0.3	
170.	*	0.0	0.0	0.9	0.9	0.7	0.8	0.5	0.3	
180.	*	0.0	0.0	1.0	0.7	0.4	0.9	0.3	0.1	
190.	*	0.2	0.1	0.6	0.4	0.3	0.5	0.0	0.0	
200.	*	0.2	0.2	0.5	0.4	0.3	0.3	0.0	0.0	
210.	*	0.2	0.2	0.5	0.4	0.3	0.2	0.0	0.0	
220.	*	0.2	0.2	0.5	0.4	0.4	0.3	0.0	0.0	
230.	*	0.2	0.1	0.5	0.5	0.4	0.3	0.0	0.0	
240.	*	0.2	0.1	0.6	0.5	0.5	0.3	0.0	0.0	
250.	*	0.2	0.1	0.7	0.6	0.5	0.6	0.0	0.0	
260.	*	0.1	0.1	0.7	0.4	0.2	1.2	0.0	0.0	
270.	*	0.8	0.4	0.1	0.0	0.0	2.4	0.6	0.2	
280.	*	1.5	1.0	0.0	0.0	0.0	2.1	1.3	0.8	
290.	*	1.3	0.9	0.0	0.0	0.0	1.4	1.1	0.8	
300.	*	1.2	0.9	0.0	0.0	0.0	1.1	0.9	0.7	
310.	*	0.9	0.9	0.0	0.0	0.0	0.9	0.7	0.6	
320.	*	1.0	0.8	0.0	0.0	0.0	0.8	0.7	0.5	
330.	*	1.0	0.9	0.0	0.0	0.0	0.7	0.6	0.5	
340.	*	1.1	1.0	0.0	0.0	0.0	0.8	0.6	0.5	
350.	*	1.3	1.1	0.0	0.0	0.0	0.8	0.5	0.5	
360.	*	1.1	0.8	0.1	0.0	0.0	0.9	0.6	0.5	
MAX	*	1.8	1.1	1.3	1.0	1.0	3.2	2.1	1.5	
DEGR.	*	80	70	100	100	110	90	80	80	

THE HIGHEST CONCENTRATION OF 3.30 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013lvdwntwn E. Bonneville and N. Main St EMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:44: 7

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-137.2	* 15.	360. AG	95.	100.0	0.0	11.0	0.63	2.5
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1404.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	139.5	* 13.	180. AG	95.	100.0	0.0	11.0	0.54	2.1
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1183.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	1174.	6.1	0.0	9.7		
6. Link_4	* -152.4	-7.6	182.3	-7.6	* 335.	90. AG	190.	100.0	0.0	11.0	1.28	55.8

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
1. Link_2	* 60	20	2.0	1369	1200	35.50	1	3
3. Link_5	* 60	20	2.0	1158	1200	35.50	1	3
6. Link_4	* 60	40	2.0	1234	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.1	1.0	1.6
10.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.5	1.1
20.	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.2	0.1	0.1	0.0	0.6	0.6	0.5	0.5	0.0	0.0	0.2	0.9
30.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.2	0.1	0.1	0.7	0.6	0.5	0.5	0.0	0.0	0.1	0.9
40.	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.4	0.2	0.2	0.2	0.1	0.8	0.7	0.6	0.5	0.0	0.0	0.1	1.0
50.	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.5	0.2	0.2	0.1	0.1	0.9	0.7	0.7	0.7	0.0	0.0	0.1	1.1
60.	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.5	0.1	0.1	0.1	0.1	1.0	0.8	0.8	0.6	0.0	0.0	0.1	1.4
70.	0.0	0.0	0.0	0.0	0.9	0.8	0.6	0.5	0.1	0.1	0.1	0.1	1.1	0.9	0.9	0.8	0.0	0.0	0.1	1.8
80.	0.0	0.0	0.0	0.0	0.8	0.6	0.2	0.1	0.1	0.1	0.1	0.1	1.1	0.9	0.6	0.5	0.0	0.0	0.1	2.9
90.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.2	0.2	0.1	0.1	0.0	0.4	3.3
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.6	0.4	1.1	1.5
110.	0.6	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.6	0.6	0.2	0.1	0.1	0.1	0.8	0.8	1.1	0.6
120.	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.6	0.2	0.1	0.1	0.1	0.7	0.7	0.9	0.3
130.	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.2	0.2	0.2	0.1	0.7	0.6	0.8	0.3
140.	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.2	0.2	0.2	0.1	0.6	0.5	0.8	0.3
150.	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.2	0.2	0.2	0.2	0.5	0.4	0.8	0.1
160.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.3	0.2	0.2	0.1	0.5	0.4	0.9	0.1
170.	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.2	0.1	0.0	0.0	0.5	0.4	0.8	0.1
180.	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.9	0.2
190.	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.5	1.1	0.4
200.	0.6	0.6	0.6	0.5	0.2	0.1	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.6	1.2	0.4
210.	0.7	0.6	0.5	0.5	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.7	1.1	0.3
220.	0.7	0.6	0.6	0.6	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.8	1.0	0.5
230.	0.7	0.7	0.6	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.7	0.9	0.5
240.	0.6	0.6	0.6	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.7	1.0	0.5
250.	0.7	0.6	0.6	0.4	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.8	1.0	0.7
260.	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	1.0	1.5
270.	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.2	0.4	2.9
280.	0.2	0.2	0.2	0.1	0.8	0.7	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.2	0.1	0.0	0.2	0.2	0.2	2.6
290.	0.2	0.2	0.2	0.1	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.7	0.5	0.4	0.2	0.3	0.2	0.2	1.8
300.	0.2	0.2	0.2	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.3	0.2	0.3	1.4
310.	0.2	0.2	0.2	0.2	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.3	0.2	0.3	1.1
320.	0.2	0.2	0.2	0.2	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3	0.3	1.1
330.	0.3	0.2	0.2	0.2	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.4	1.0
340.	0.3	0.2	0.2	0.1	0.9	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.5	0.4	0.5	1.1
350.	0.2	0.1	0.0	0.0	0.8	0.8	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.6	0.4	0.8	1.4
360.	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.1	1.0	1.6
MAX	0.7	0.7	0.6	0.6	0.9	0.8	0.7	0.6	0.8	0.8	0.6	0.6	1.1	0.9	0.9	0.8	1.0	0.8	1.2	3.3
DEGR.	210	230	200	220	70	70	60	290	110	110	110	110	70	70	70	70	200	110	200	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.2	0.9	0.1	0.0	0.0	0.9	0.6	0.5	
10.	*	0.7	0.7	0.3	0.2	0.1	1.2	0.8	0.7	
20.	*	0.8	0.7	0.3	0.3	0.2	1.1	1.1	0.8	
30.	*	0.8	0.7	0.3	0.2	0.2	1.2	1.0	0.8	
40.	*	0.9	0.7	0.3	0.2	0.2	1.2	1.1	0.9	
50.	*	1.0	0.8	0.2	0.2	0.2	1.2	1.0	1.0	
60.	*	1.2	0.9	0.2	0.2	0.2	1.4	1.3	1.1	
70.	*	1.5	1.1	0.2	0.2	0.2	1.7	1.6	1.3	
80.	*	1.9	1.2	0.2	0.2	0.2	2.8	2.1	1.5	
90.	*	0.9	0.4	0.5	0.3	0.3	3.4	1.3	0.7	
100.	*	0.0	0.0	1.3	1.0	0.8	1.5	0.3	0.2	
110.	*	0.0	0.0	1.3	1.1	1.0	0.7	0.2	0.2	
120.	*	0.0	0.0	0.9	0.8	0.8	0.4	0.2	0.2	
130.	*	0.0	0.0	0.7	0.8	0.7	0.4	0.3	0.2	
140.	*	0.0	0.0	0.6	0.6	0.6	0.5	0.3	0.2	
150.	*	0.0	0.0	0.7	0.5	0.5	0.5	0.3	0.3	
160.	*	0.0	0.0	0.7	0.7	0.6	0.6	0.4	0.3	
170.	*	0.0	0.0	0.9	0.9	0.7	0.8	0.5	0.3	
180.	*	0.0	0.0	1.0	0.7	0.4	0.9	0.3	0.1	
190.	*	0.2	0.1	0.6	0.4	0.3	0.5	0.0	0.0	
200.	*	0.2	0.2	0.5	0.4	0.3	0.3	0.0	0.0	
210.	*	0.2	0.2	0.5	0.4	0.3	0.2	0.0	0.0	
220.	*	0.2	0.2	0.5	0.4	0.4	0.3	0.0	0.0	
230.	*	0.2	0.2	0.5	0.5	0.4	0.3	0.0	0.0	
240.	*	0.2	0.1	0.6	0.5	0.5	0.3	0.0	0.0	
250.	*	0.2	0.1	0.8	0.6	0.5	0.5	0.0	0.0	
260.	*	0.1	0.1	0.7	0.4	0.2	1.2	0.0	0.0	
270.	*	0.8	0.4	0.1	0.0	0.0	2.4	0.6	0.2	
280.	*	1.5	1.0	0.0	0.0	0.0	2.1	1.3	0.8	
290.	*	1.3	0.9	0.0	0.0	0.0	1.4	1.1	0.8	
300.	*	1.2	0.9	0.0	0.0	0.0	1.1	0.9	0.7	
310.	*	0.9	0.9	0.0	0.0	0.0	0.9	0.7	0.6	
320.	*	1.0	0.8	0.0	0.0	0.0	0.8	0.7	0.5	
330.	*	1.0	0.9	0.0	0.0	0.0	0.7	0.6	0.5	
340.	*	1.1	1.0	0.0	0.0	0.0	0.8	0.6	0.5	
350.	*	1.3	1.1	0.0	0.0	0.0	0.8	0.5	0.5	
360.	*	1.2	0.9	0.1	0.0	0.0	0.9	0.6	0.5	
MAX	*	1.9	1.2	1.3	1.1	1.0	3.4	2.1	1.5	
DEGR.	*	80	80	100	110	110	90	80	80	

THE HIGHEST CONCENTRATION OF 3.40 PPM OCCURRED AT RECEPTOR REC26.

JOB: 2013lvdwntwn W. Bonneville and S. MLK DEMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 6:41

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-142.8	* 10.	360. AG	143.	100.0	0.0	11.0	0.37	1.6
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	650.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	131.4	* 21.	180. AG	143.	100.0	0.0	11.0	0.75	3.5
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1084.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	970.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	45.6	7.6	* 107.	270. AG	95.	100.0	0.0	11.0	1.03	17.8
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	867.	6.1	0.0	13.4		
8. Link_4	* -152.4	-7.6	-139.9	-7.6	* 13.	90. AG	143.	100.0	0.0	11.0	0.48	2.1

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
1. Link_2	* 60	30	2.0	579	1200	35.50	1	3
3. Link_5	* 60	30	2.0	1170	1200	35.50	1	3
6. Link_12	* 60	30	2.0	1070	1200	35.50	1	3
8. Link_4	* 60	30	2.0	752	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.5	0.6
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.2	0.3
20.	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.1	0.2
30.	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.2
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.2
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.4
70.	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.7
80.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.0	0.0	0.1	0.9
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.5	0.8
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4
110.	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.4	0.2	0.1	0.1	0.1	0.4	0.6	0.2	0.2
120.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.4	0.2	0.1
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1
140.	0.2	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1
150.	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.1
160.	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1
170.	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.2	0.1
180.	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.2
190.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.5	0.3
200.	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.3
210.	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.2
220.	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.3
230.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
240.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3
250.	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
260.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.3
270.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.6	0.5
280.	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.3	0.5
290.	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
300.	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
310.	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
320.	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.3
330.	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.4
340.	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3
350.	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.5	0.6
360.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.5	0.6
MAX	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.4	0.3	0.4	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.9
DEGR.	110	110	120	120	50	50	40	50	100	100	100	110	70	70	70	70	100	110	270	80

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.4	0.2	0.2	0.1	0.0	0.4	0.2	0.1	
10.	*	0.2	0.1	0.1	0.2	0.1	0.5	0.3	0.2	
20.	*	0.2	0.2	0.2	0.1	0.1	0.5	0.3	0.2	
30.	*	0.2	0.2	0.1	0.1	0.1	0.4	0.4	0.3	
40.	*	0.2	0.3	0.2	0.1	0.1	0.3	0.3	0.3	
50.	*	0.3	0.4	0.2	0.1	0.1	0.3	0.3	0.4	
60.	*	0.5	0.4	0.2	0.1	0.1	0.3	0.3	0.4	
70.	*	0.7	0.6	0.2	0.1	0.1	0.6	0.6	0.6	
80.	*	0.6	0.4	0.3	0.1	0.1	0.9	0.8	0.7	
90.	*	0.2	0.1	0.8	0.3	0.2	0.8	0.4	0.3	
100.	*	0.0	0.0	0.7	0.7	0.5	0.4	0.2	0.2	
110.	*	0.0	0.0	0.5	0.4	0.4	0.2	0.2	0.2	
120.	*	0.0	0.0	0.5	0.5	0.4	0.2	0.2	0.2	
130.	*	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.2	
140.	*	0.0	0.0	0.3	0.3	0.4	0.2	0.3	0.2	
150.	*	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.2	
160.	*	0.0	0.0	0.3	0.5	0.4	0.4	0.4	0.3	
170.	*	0.0	0.0	0.6	0.7	0.4	0.6	0.5	0.3	
180.	*	0.0	0.0	0.7	0.5	0.2	0.8	0.2	0.1	
190.	*	0.1	0.1	0.3	0.2	0.1	0.4	0.0	0.0	
200.	*	0.2	0.2	0.2	0.2	0.1	0.2	0.0	0.0	
210.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
220.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	
230.	*	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.0	
240.	*	0.1	0.1	0.3	0.3	0.2	0.1	0.0	0.0	
250.	*	0.1	0.1	0.3	0.3	0.2	0.1	0.0	0.0	
260.	*	0.1	0.1	0.5	0.4	0.2	0.1	0.0	0.0	
270.	*	0.1	0.1	0.6	0.2	0.1	0.1	0.0	0.0	
280.	*	0.4	0.2	0.3	0.0	0.0	0.3	0.1	0.1	
290.	*	0.4	0.3	0.1	0.0	0.0	0.3	0.2	0.1	
300.	*	0.5	0.3	0.1	0.0	0.0	0.3	0.2	0.1	
310.	*	0.3	0.2	0.0	0.0	0.0	0.3	0.1	0.1	
320.	*	0.3	0.3	0.1	0.0	0.0	0.2	0.1	0.1	
330.	*	0.3	0.3	0.1	0.0	0.0	0.2	0.1	0.1	
340.	*	0.4	0.3	0.0	0.0	0.0	0.2	0.1	0.1	
350.	*	0.6	0.4	0.1	0.0	0.0	0.3	0.1	0.1	
360.	*	0.4	0.2	0.2	0.1	0.0	0.4	0.2	0.1	
MAX	*	0.7	0.6	0.8	0.7	0.5	0.9	0.8	0.7	
DEGR.	*	70	70	90	100	100	80	80	80	

THE HIGHEST CONCENTRATION OF 0.90 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013lvdwntwn W. Bonneville and S. MLK EMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 6:58

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-142.4	* 10.	360. AG	148.	100.0	0.0	11.0	0.39	1.7
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	650.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	129.5	* 23.	180. AG	148.	100.0	0.0	11.0	0.78	3.8
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1084.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	970.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	94.9	7.6	* 58.	270. AG	92.	100.0	0.0	11.0	0.99	9.6
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	867.	6.1	0.0	13.4		
8. Link_4	* -152.4	-7.6	-140.3	-7.6	* 12.	90. AG	138.	100.0	0.0	11.0	0.46	2.0

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
1. Link_2	* 60	31	2.0	579	1200	35.50	1	3
3. Link_5	* 60	31	2.0	1170	1200	35.50	1	3
6. Link_12	* 60	29	2.0	1070	1200	35.50	1	3
8. Link_4	* 60	29	2.0	752	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.5	0.6
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.2	0.3
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.1	0.2
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.2
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
50.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.2
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.3
70.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.4
80.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.8
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.8
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.4
110.	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2
120.	0.1	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1
130.	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.1
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.2	0.1
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.2
190.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.5	0.3
200.	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.3
210.	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.2
220.	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.3
230.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
240.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3
250.	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
260.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.3
270.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.6	0.5
280.	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.5
290.	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.5
300.	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
310.	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
320.	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.3
330.	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.4
340.	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3
350.	0.1	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.5	0.6
360.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.5	0.6
MAX	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.4	0.4	0.4	0.5	0.4	0.6	0.8
DEGR.	200	110	250	120	70	60	60	310	100	100	160	160	70	70	70	70	260	210	270	80

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.4	0.2	0.2	0.1	0.0	0.4	0.2	0.1
10.	*	0.2	0.1	0.1	0.2	0.1	0.5	0.3	0.2
20.	*	0.2	0.2	0.2	0.1	0.1	0.5	0.3	0.2
30.	*	0.2	0.2	0.1	0.1	0.1	0.4	0.4	0.3
40.	*	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3
50.	*	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.4
60.	*	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.3
70.	*	0.5	0.5	0.2	0.1	0.1	0.4	0.4	0.4
80.	*	0.5	0.4	0.2	0.1	0.1	0.7	0.7	0.6
90.	*	0.2	0.1	0.5	0.2	0.2	0.8	0.4	0.3
100.	*	0.0	0.0	0.5	0.5	0.3	0.4	0.2	0.2
110.	*	0.0	0.0	0.5	0.4	0.3	0.2	0.2	0.2
120.	*	0.0	0.0	0.5	0.5	0.4	0.2	0.2	0.2
130.	*	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.2
140.	*	0.0	0.0	0.3	0.3	0.4	0.2	0.3	0.2
150.	*	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.2
160.	*	0.0	0.0	0.3	0.5	0.4	0.4	0.4	0.3
170.	*	0.0	0.0	0.6	0.7	0.4	0.6	0.5	0.3
180.	*	0.0	0.0	0.7	0.5	0.2	0.8	0.2	0.1
190.	*	0.1	0.1	0.3	0.2	0.1	0.4	0.0	0.0
200.	*	0.2	0.2	0.2	0.2	0.1	0.2	0.0	0.0
210.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0
220.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
230.	*	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.0
240.	*	0.1	0.1	0.3	0.3	0.2	0.1	0.0	0.0
250.	*	0.1	0.1	0.3	0.3	0.2	0.1	0.0	0.0
260.	*	0.1	0.1	0.5	0.4	0.2	0.1	0.0	0.0
270.	*	0.1	0.1	0.6	0.2	0.1	0.1	0.0	0.0
280.	*	0.4	0.2	0.3	0.0	0.0	0.3	0.1	0.1
290.	*	0.4	0.3	0.1	0.0	0.0	0.3	0.2	0.1
300.	*	0.5	0.3	0.1	0.0	0.0	0.3	0.2	0.1
310.	*	0.3	0.2	0.0	0.0	0.0	0.3	0.1	0.1
320.	*	0.3	0.3	0.1	0.0	0.0	0.2	0.1	0.1
330.	*	0.3	0.3	0.1	0.0	0.0	0.2	0.1	0.1
340.	*	0.4	0.3	0.0	0.0	0.0	0.2	0.1	0.1
350.	*	0.6	0.4	0.1	0.0	0.0	0.3	0.1	0.1
360.	*	0.4	0.2	0.2	0.1	0.0	0.4	0.2	0.1
MAX	*	0.6	0.5	0.7	0.7	0.4	0.8	0.7	0.6
DEGR.	*	350	70	180	170	120	90	80	80

THE HIGHEST CONCENTRATION OF 0.80 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013lvdwntwn S. Grand Central Pkwy and W. Charleston DEMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 7:19

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
	*	X1	Y1	X2	Y2	*								
1. Link_2	*	7.6	-152.4	7.6	-151.6	*	1.	360. AG	298.	100.0	0.0	7.3	0.06	0.1
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	23.	6.1	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	-420.8	*	573.	180. AG	298.	100.0	0.0	14.6	1.94	95.5
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	596.	6.1	0.0	9.7		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	3150.	6.1	0.0	17.0		
6. Link_12	*	152.4	7.6	138.9	7.6	*	14.	270. AG	103.	100.0	0.0	18.3	0.73	2.3
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	3172.	6.1	0.0	17.0		
8. Link_4	*	-152.4	-7.6	-142.1	-7.6	*	10.	90. AG	103.	100.0	0.0	14.6	0.55	1.7

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)		
1. Link_2	*	60	47	2.0	41	1200	35.50	1	3
3. Link_5	*	60	47	2.0	1398	1200	35.50	1	3
6. Link_12	*	60	13	2.0	3129	1200	35.50	1	3
8. Link_4	*	60	13	2.0	2373	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.6	0.4	0.4	0.3	0.1	0.0	0.2	0.8
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.8	0.4	0.1	0.0	1.4	1.1	0.9	0.7	0.0	0.0	0.0	0.5
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	1.1	0.9	0.6	0.4	1.5	1.3	1.2	1.1	0.0	0.0	0.0	0.5
30.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.9	0.8	0.7	0.7	1.2	1.1	1.1	1.0	0.0	0.0	0.0	0.5
40.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.8	0.7	0.7	0.6	1.1	1.0	0.9	0.8	0.0	0.0	0.0	0.6
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.7	0.6	0.6	0.6	1.0	0.9	0.9	0.9	0.0	0.0	0.0	0.7
60.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.7	0.6	0.5	0.5	1.2	1.1	1.0	1.0	0.0	0.0	0.0	0.9
70.	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.3	0.7	0.6	0.6	0.5	1.5	1.3	1.3	1.1	0.0	0.0	0.0	1.1
80.	0.0	0.0	0.0	0.0	0.5	0.4	0.1	0.0	0.6	0.6	0.5	0.5	1.4	1.2	1.0	0.9	0.0	0.0	0.0	1.7
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.7	0.6	0.5	0.5	1.0	0.8	0.6	0.6	0.1	0.0	0.2	1.9
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.6	0.6	0.7	0.7	0.6	0.6	0.4	0.2	0.8	1.1
110.	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.2	1.1	1.0	0.9	0.8	0.7	0.7	0.6	0.7	0.5	0.8	0.6
120.	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.4	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.6	0.5	0.7	0.4
130.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.5	1.2	1.2	1.1	0.8	0.7	0.7	0.7	0.5	0.5	0.6	0.2
140.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.5	1.3	1.3	1.0	0.9	0.8	0.8	0.7	0.4	0.4	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.3	1.3	1.1	1.0	0.9	0.9	0.8	0.4	0.4	0.5	0.3
160.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.7	1.5	1.4	1.2	1.3	1.1	1.0	0.8	0.4	0.4	0.5	0.3
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.0	1.8	1.5	1.3	1.6	1.3	1.1	0.9	0.4	0.4	0.4	0.3
180.	0.6	0.5	0.4	0.4	0.2	0.2	0.1	0.1	1.2	0.9	0.8	0.6	0.7	0.4	0.3	0.2	1.0	0.8	1.4	1.1
190.	1.3	1.2	1.1	1.0	1.0	0.9	0.7	0.6	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.9	1.7	2.3	2.0
200.	1.4	1.2	1.2	1.1	1.0	0.9	0.8	0.7	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.6	1.5	1.8	1.6
210.	1.1	1.1	1.0	1.0	0.8	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.3	1.2	1.4	1.3
220.	0.9	0.9	0.9	0.8	0.7	0.7	0.7	0.6	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.1	1.0	1.1	1.2
230.	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.8	1.1	1.2
240.	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.5	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.1	1.0	1.2	1.2
250.	1.2	1.1	1.0	0.9	0.6	0.6	0.4	0.4	0.7	0.6	0.4	0.3	0.0	0.0	0.0	0.0	1.4	1.4	1.3	1.2
260.	1.2	1.0	0.9	0.7	0.6	0.6	0.6	0.4	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.9	1.6	2.0	1.2
270.	0.7	0.6	0.4	0.4	0.6	0.6	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.0	2.3	1.4
280.	0.5	0.5	0.5	0.4	0.9	0.8	0.7	0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.7	0.6	1.4	2.0
290.	0.5	0.5	0.4	0.4	1.1	1.1	0.9	0.8	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.7	0.6	0.9	2.1
300.	0.5	0.5	0.5	0.5	1.3	1.2	1.1	0.9	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.7	0.6	0.9	2.1
310.	0.6	0.6	0.5	0.5	1.4	1.3	1.1	1.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.7	0.6	0.8	1.9
320.	0.6	0.6	0.6	0.5	1.3	1.2	1.2	0.9	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.8	0.7	0.9	1.8
330.	0.7	0.6	0.5	0.4	1.3	1.2	1.0	0.9	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.9	0.8	1.0	1.8
340.	0.6	0.4	0.2	0.1	1.2	1.2	1.0	0.9	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.0	0.8	1.2	1.8
350.	0.1	0.0	0.0	0.0	0.8	0.8	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.3	1.1	1.7
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.6	0.4	0.4	0.3	0.1	0.0	0.2	0.8
MAX	1.4	1.2	1.2	1.1	1.4	1.3	1.2	1.0	2.0	1.8	1.5	1.3	1.6	1.3	1.3	1.1	1.9	1.7	2.3	2.1
DEGR.	200	190	200	200	310	310	320	310	170	170	170	170	170	70	70	20	190	190	190	300

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.7	0.6	3.5	1.2	0.4	4.0	1.8	0.9
10.	*	0.6	0.5	3.0	2.3	1.3	3.4	2.8	2.0
20.	*	0.6	0.5	2.0	1.9	1.3	2.4	2.3	1.8
30.	*	0.6	0.5	1.7	1.4	1.1	2.0	1.8	1.4
40.	*	0.7	0.6	1.3	1.2	1.0	1.3	1.5	1.3
50.	*	0.8	0.6	1.2	1.1	0.9	1.2	1.4	1.2
60.	*	0.9	0.7	1.2	1.0	0.8	1.3	1.5	1.3
70.	*	1.2	0.9	1.2	0.9	0.8	1.5	1.7	1.6
80.	*	1.6	0.9	1.2	1.0	0.7	2.2	2.3	1.8
90.	*	1.0	0.3	1.5	1.2	0.8	2.5	1.9	1.3
100.	*	0.1	0.0	2.1	1.9	1.1	1.6	1.1	0.8
110.	*	0.0	0.0	2.1	2.1	1.5	1.1	1.0	0.9
120.	*	0.0	0.0	2.1	2.1	1.6	1.1	1.1	0.9
130.	*	0.0	0.0	2.0	2.2	1.8	1.0	1.2	1.0
140.	*	0.0	0.0	2.0	2.1	1.8	1.3	1.3	1.1
150.	*	0.0	0.0	2.3	2.2	1.8	1.7	1.6	1.2
160.	*	0.0	0.0	2.5	2.6	2.0	2.1	2.1	1.6
170.	*	0.0	0.0	3.8	3.5	2.6	3.4	2.9	2.0
180.	*	0.6	0.4	5.0	2.8	1.8	4.7	2.1	1.1
190.	*	1.5	1.2	2.5	0.8	0.5	2.1	0.2	0.0
200.	*	1.2	1.1	1.4	0.6	0.5	1.0	0.0	0.0
210.	*	1.0	0.9	1.0	0.6	0.6	0.5	0.0	0.0
220.	*	0.9	0.8	1.0	0.7	0.6	0.4	0.0	0.0
230.	*	0.8	0.7	1.0	0.8	0.6	0.3	0.0	0.0
240.	*	0.8	0.7	1.2	0.9	0.7	0.3	0.0	0.0
250.	*	0.8	0.7	1.4	1.2	0.9	0.3	0.0	0.0
260.	*	0.8	0.7	2.0	1.6	0.9	0.3	0.0	0.0
270.	*	1.0	0.7	2.3	1.0	0.3	0.5	0.1	0.0
280.	*	1.7	1.1	1.4	0.1	0.0	1.1	0.5	0.2
290.	*	2.0	1.4	0.9	0.0	0.0	1.1	0.7	0.5
300.	*	1.9	1.5	0.7	0.0	0.0	1.0	0.6	0.5
310.	*	1.8	1.5	0.5	0.0	0.0	0.9	0.5	0.5
320.	*	1.7	1.5	0.6	0.0	0.0	0.9	0.4	0.4
330.	*	1.6	1.4	0.8	0.0	0.0	1.0	0.5	0.4
340.	*	1.6	1.4	1.2	0.0	0.0	1.5	0.4	0.4
350.	*	1.5	1.1	2.1	0.1	0.0	2.4	0.5	0.4
360.	*	0.7	0.6	3.5	1.2	0.4	4.0	1.8	0.9
MAX	*	2.0	1.5	5.0	3.5	2.6	4.7	2.9	2.0
DEGR.	*	290	300	180	170	170	180	170	10

THE HIGHEST CONCENTRATION OF 5.00 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013lvdwntwn S. Grand Central Pkwy and W. Charleston EMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 7:35

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-151.6	*	1.	360. AG	298.	100.0	0.0	7.3	0.06	0.1
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	23.	6.1	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	-420.8	*	573.	180. AG	298.	100.0	0.0	14.6	1.94	95.5
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	596.	6.1	0.0	9.7		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	3150.	6.1	0.0	17.0		
6. Link_12	*	152.4	7.6	138.9	7.6	*	14.	270. AG	103.	100.0	0.0	18.3	0.73	2.3
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	3172.	6.1	0.0	17.0		
8. Link_4	*	-152.4	-7.6	-142.1	-7.6	*	10.	90. AG	103.	100.0	0.0	14.6	0.55	1.7

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)		
1. Link_2	*	60	47	2.0	41	1200	35.50	1	3
3. Link_5	*	60	47	2.0	1398	1200	35.50	1	3
6. Link_12	*	60	13	2.0	3129	1200	35.50	1	3
8. Link_4	*	60	13	2.0	2373	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.6	0.4	0.4	0.3	0.1	0.0	0.2	0.8
10.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.8	0.4	0.1	0.0	1.4	1.1	0.9	0.7	0.0	0.0	0.0	0.5
20.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	1.1	0.9	0.6	0.4	1.5	1.3	1.2	1.1	0.0	0.0	0.0	0.5
30.	*	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.9	0.8	0.7	0.7	1.2	1.1	1.1	1.0	0.0	0.0	0.0	0.5
40.	*	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.8	0.7	0.7	0.6	1.1	1.0	0.9	0.8	0.0	0.0	0.0	0.6
50.	*	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.7	0.6	0.6	0.6	1.0	0.9	0.9	0.9	0.0	0.0	0.0	0.7
60.	*	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.7	0.6	0.5	0.5	1.2	1.1	1.0	1.0	0.0	0.0	0.0	0.9
70.	*	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.3	0.7	0.6	0.6	0.5	1.5	1.3	1.3	1.1	0.0	0.0	0.0	1.1
80.	*	0.0	0.0	0.0	0.0	0.5	0.4	0.1	0.0	0.6	0.6	0.5	0.5	1.4	1.2	1.0	0.9	0.0	0.0	0.0	1.7
90.	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.7	0.6	0.5	0.5	1.0	0.8	0.6	0.6	0.1	0.0	0.2	1.9
100.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.6	0.6	0.7	0.7	0.6	0.6	0.4	0.2	0.8	1.1
110.	*	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.2	1.1	1.0	0.9	0.8	0.7	0.7	0.6	0.7	0.5	0.8	0.6
120.	*	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.4	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.6	0.5	0.7	0.4
130.	*	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.5	1.2	1.2	1.1	0.8	0.7	0.7	0.7	0.5	0.5	0.6	0.2
140.	*	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.5	1.3	1.3	1.0	0.9	0.8	0.8	0.7	0.4	0.4	0.5	0.2
150.	*	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.3	1.3	1.1	1.0	0.9	0.9	0.8	0.4	0.4	0.5	0.3
160.	*	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.7	1.5	1.4	1.2	1.3	1.1	1.0	0.8	0.4	0.4	0.5	0.3
170.	*	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.0	1.8	1.5	1.3	1.6	1.3	1.1	0.9	0.4	0.4	0.4	0.3
180.	*	0.6	0.5	0.4	0.4	0.2	0.2	0.1	0.1	1.2	0.9	0.8	0.6	0.7	0.4	0.3	0.2	1.0	0.8	1.4	1.1
190.	*	1.3	1.2	1.1	1.0	1.0	0.9	0.7	0.6	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.9	1.7	2.3	2.0
200.	*	1.4	1.2	1.2	1.1	1.0	0.9	0.8	0.7	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.6	1.5	1.8	1.6
210.	*	1.1	1.1	1.0	1.0	0.8	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.3	1.2	1.4	1.3
220.	*	0.9	0.9	0.9	0.8	0.7	0.7	0.7	0.6	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.1	1.0	1.1	1.2
230.	*	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.8	1.1	1.2
240.	*	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.5	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.1	1.0	1.2	1.2
250.	*	1.2	1.1	1.0	0.9	0.6	0.6	0.4	0.4	0.7	0.6	0.4	0.3	0.0	0.0	0.0	0.0	1.4	1.4	1.3	1.2
260.	*	1.2	1.0	0.9	0.7	0.6	0.6	0.6	0.4	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.9	1.6	2.0	1.2
270.	*	0.7	0.6	0.4	0.4	0.6	0.6	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.0	2.3	1.4
280.	*	0.5	0.5	0.5	0.4	0.9	0.8	0.7	0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.7	0.6	1.4	2.0
290.	*	0.5	0.5	0.4	0.4	1.1	1.1	0.9	0.8	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.7	0.6	0.9	2.1
300.	*	0.5	0.5	0.5	0.5	1.3	1.2	1.1	0.9	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.7	0.6	0.9	2.1
310.	*	0.6	0.6	0.5	0.5	1.4	1.3	1.1	1.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.7	0.6	0.8	1.9
320.	*	0.6	0.6	0.6	0.5	1.3	1.2	1.2	0.9	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.8	0.7	0.9	1.8
330.	*	0.7	0.6	0.5	0.4	1.3	1.2	1.0	0.9	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.9	0.8	1.0	1.8
340.	*	0.6	0.4	0.2	0.1	1.2	1.2	1.0	0.9	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.0	0.8	1.2	1.8
350.	*	0.1	0.0	0.0	0.0	0.8	0.8	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.3	1.1	1.7
360.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.6	0.4	0.4	0.3	0.1	0.0	0.2	0.8
MAX	*	1.4	1.2	1.2	1.1	1.4	1.3	1.2	1.0	2.0	1.8	1.5	1.3	1.6	1.3	1.3	1.1	1.9	1.7	2.3	2.1
DEGR.	*	200	190	200	200	310	310	320	310	170	170	170	170	170	70	70	20	190	190	190	300

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.7	0.6	3.5	1.2	0.4	4.0	1.8	0.9
10.	*	0.6	0.5	3.0	2.3	1.3	3.4	2.8	2.0
20.	*	0.6	0.5	2.0	1.9	1.3	2.4	2.3	1.8
30.	*	0.6	0.5	1.7	1.4	1.1	2.0	1.8	1.4
40.	*	0.7	0.6	1.3	1.2	1.0	1.3	1.5	1.3
50.	*	0.8	0.6	1.2	1.1	0.9	1.2	1.4	1.2
60.	*	0.9	0.7	1.2	1.0	0.8	1.3	1.5	1.3
70.	*	1.2	0.9	1.2	0.9	0.8	1.5	1.7	1.6
80.	*	1.6	0.9	1.2	1.0	0.7	2.2	2.3	1.8
90.	*	1.0	0.3	1.5	1.2	0.8	2.5	1.9	1.3
100.	*	0.1	0.0	2.1	1.9	1.1	1.6	1.1	0.8
110.	*	0.0	0.0	2.1	2.1	1.5	1.1	1.0	0.9
120.	*	0.0	0.0	2.1	2.1	1.6	1.1	1.1	0.9
130.	*	0.0	0.0	2.0	2.2	1.8	1.0	1.2	1.0
140.	*	0.0	0.0	2.0	2.1	1.8	1.3	1.3	1.1
150.	*	0.0	0.0	2.3	2.2	1.8	1.7	1.6	1.2
160.	*	0.0	0.0	2.5	2.6	2.0	2.1	2.1	1.6
170.	*	0.0	0.0	3.8	3.5	2.6	3.4	2.9	2.0
180.	*	0.6	0.4	5.0	2.8	1.8	4.7	2.1	1.1
190.	*	1.5	1.2	2.5	0.8	0.5	2.1	0.2	0.0
200.	*	1.2	1.1	1.4	0.6	0.5	1.0	0.0	0.0
210.	*	1.0	0.9	1.0	0.6	0.6	0.5	0.0	0.0
220.	*	0.9	0.8	1.0	0.7	0.6	0.4	0.0	0.0
230.	*	0.8	0.7	1.0	0.8	0.6	0.3	0.0	0.0
240.	*	0.8	0.7	1.2	0.9	0.7	0.3	0.0	0.0
250.	*	0.8	0.7	1.4	1.2	0.9	0.3	0.0	0.0
260.	*	0.8	0.7	2.0	1.6	0.9	0.3	0.0	0.0
270.	*	1.0	0.7	2.3	1.0	0.3	0.5	0.1	0.0
280.	*	1.7	1.1	1.4	0.1	0.0	1.1	0.5	0.2
290.	*	2.0	1.4	0.9	0.0	0.0	1.1	0.7	0.5
300.	*	1.9	1.5	0.7	0.0	0.0	1.0	0.6	0.5
310.	*	1.8	1.5	0.5	0.0	0.0	0.9	0.5	0.5
320.	*	1.7	1.5	0.6	0.0	0.0	0.9	0.4	0.4
330.	*	1.6	1.4	0.8	0.0	0.0	1.0	0.5	0.4
340.	*	1.6	1.4	1.2	0.0	0.0	1.5	0.4	0.4
350.	*	1.5	1.1	2.1	0.1	0.0	2.4	0.5	0.4
360.	*	0.7	0.6	3.5	1.2	0.4	4.0	1.8	0.9
MAX	*	2.0	1.5	5.0	3.5	2.6	4.7	2.9	2.0
DEGR.	*	290	300	180	170	170	180	170	10

THE HIGHEST CONCENTRATION OF 5.00 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013lvdwntwn S. Main St and W. Charleston DEMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 7:52

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-101.3	* 51.	360.	AG	176.	100.0	0.0	11.0	0.99	8.5
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360.	AG	1218.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	2.6	* 150.	180.	AG	235.	100.0	0.0	11.0	1.08	25.0
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180.	AG	1422.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90.	AG	2259.	6.1	0.0	17.0		
6. Link_12	* 152.4	7.6	121.5	7.6	* 31.	270.	AG	146.	100.0	0.0	14.6	0.87	5.2
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270.	AG	2248.	6.1	0.0	17.0		
8. Link_4	* -152.4	-7.6	-130.7	-7.6	* 22.	90.	AG	146.	100.0	0.0	14.6	0.78	3.6

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
1. Link_2	* 60	37	2.0	1136	1200	35.50	1	3
3. Link_5	* 60	37	2.0	1646	1200	35.50	1	3
6. Link_12	* 60	23	2.0	2304	1200	35.50	1	3
8. Link_4	* 60	23	2.0	2061	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.4	0.1	1.0	1.2
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.6	0.3	0.1	0.0	1.1	0.9	0.6	0.5	0.0	0.0	0.4	0.6
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	1.0	0.8	0.6	0.3	1.3	1.1	1.1	0.9	0.0	0.0	0.2	0.5
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.9	0.8	0.7	0.6	1.0	0.9	0.9	0.8	0.0	0.0	0.1	0.4
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.8	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.0	0.0	0.1	0.4
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.4	0.7	0.6	0.6	0.5	0.4	0.4	0.4	0.3	0.0	0.0	0.1	0.5
60.	0.0	0.0	0.0	0.0	0.4	0.5	0.4	0.4	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.0	0.0	0.1	0.6
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.2	0.6	0.5	0.5	0.5	0.7	0.7	0.7	0.6	0.0	0.0	0.1	0.8
80.	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.6	0.5	0.5	0.5	0.8	0.7	0.5	0.3	0.0	0.0	0.1	1.3
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.3	0.3	0.2	0.1	0.1	0.1	0.3	1.4
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.9	0.7	0.7	0.7	0.2	0.2	0.2	0.1	0.4	0.3	0.6	0.8
110.	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.8	0.2	0.2	0.2	0.1	0.5	0.4	0.7	0.4
120.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.8	0.2	0.2	0.2	0.1	0.4	0.4	0.6	0.3
130.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.2	1.0	0.9	0.9	0.2	0.2	0.2	0.3	0.4	0.3	0.5	0.1
140.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.0	0.8	0.7	0.6	0.2	0.2	0.3	0.4	0.3	0.3	0.5	0.2
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.4	0.4	0.5	0.4	0.3	0.3	0.5	0.2
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.5	0.6	0.4	0.3	0.1	0.3	0.3	0.5	0.2
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.4	0.3	0.1	0.0	0.0	0.3	0.3	0.5	0.2
180.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.8	0.6
190.	0.5	0.5	0.5	0.3	0.3	0.2	0.1	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.7	1.0	0.6
200.	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.6	0.9	0.5
210.	0.5	0.4	0.4	0.4	0.2	0.2	0.4	0.4	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.8	0.4
220.	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.5
230.	0.5	0.5	0.5	0.5	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4
240.	0.8	0.7	0.7	0.7	0.2	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.4
250.	1.1	1.1	0.8	0.8	0.1	0.1	0.1	0.1	0.6	0.5	0.4	0.2	0.0	0.0	0.0	0.0	1.1	1.1	1.0	0.5
260.	1.2	0.9	0.7	0.6	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.7	1.4	1.7	0.5
270.	0.7	0.6	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.9	1.8	0.8
280.	0.6	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.8	0.6	1.2	1.1
290.	0.6	0.5	0.4	0.4	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.7	0.6	1.0	1.2
300.	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.6	0.8	1.1
310.	0.6	0.6	0.6	0.4	0.9	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.8	0.7	0.8	1.2
320.	0.7	0.6	0.6	0.6	1.0	0.9	0.9	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.9	0.7	1.0	1.3
330.	0.7	0.7	0.6	0.5	1.0	1.0	1.0	0.8	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.1	0.9	1.2	1.4
340.	0.8	0.5	0.3	0.1	1.2	1.2	1.0	0.8	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.3	0.9	1.4	1.5
350.	0.3	0.1	0.0	0.0	0.9	0.8	0.5	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.1	0.6	1.5	1.7
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.4	0.1	1.0	1.2
MAX	1.2	1.1	0.8	0.8	1.2	1.2	1.0	0.8	1.2	1.0	0.9	0.9	1.3	1.1	1.1	0.9	1.7	1.4	1.8	1.7
DEGR.	260	250	250	250	340	340	330	330	130	130	120	130	20	20	20	20	260	260	270	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.8	0.5	3.2	0.8	0.2	2.7	1.2	0.7
10.	*	0.4	0.3	3.0	1.8	1.1	2.5	2.1	1.6
20.	*	0.4	0.4	2.0	1.5	1.2	1.5	1.7	1.4
30.	*	0.4	0.4	1.6	1.3	1.0	0.9	1.1	0.9
40.	*	0.5	0.4	1.4	1.1	0.9	0.6	0.7	0.6
50.	*	0.6	0.5	1.2	1.0	0.8	0.5	0.5	0.5
60.	*	0.6	0.5	1.2	1.0	0.7	0.7	0.6	0.5
70.	*	1.0	0.7	1.2	0.9	0.7	0.6	0.8	0.7
80.	*	1.2	0.7	1.2	0.9	0.7	1.2	1.3	1.0
90.	*	0.7	0.2	1.5	1.2	0.8	1.4	0.9	0.5
100.	*	0.1	0.0	1.8	1.6	1.1	0.7	0.4	0.2
110.	*	0.0	0.0	1.9	1.7	1.2	0.5	0.3	0.2
120.	*	0.0	0.0	1.7	1.6	1.3	0.3	0.3	0.2
130.	*	0.0	0.0	1.6	1.5	1.4	0.3	0.3	0.2
140.	*	0.0	0.0	1.7	1.5	1.2	0.3	0.3	0.3
150.	*	0.0	0.0	1.5	1.2	0.9	0.4	0.4	0.3
160.	*	0.0	0.0	1.4	1.0	0.8	0.7	0.6	0.6
170.	*	0.0	0.0	1.8	1.3	0.9	1.1	0.9	0.6
180.	*	0.2	0.1	1.9	0.9	0.6	1.1	0.3	0.1
190.	*	0.4	0.4	1.2	0.4	0.3	0.5	0.0	0.0
200.	*	0.3	0.3	1.0	0.4	0.4	0.2	0.0	0.0
210.	*	0.3	0.2	0.7	0.4	0.4	0.1	0.0	0.0
220.	*	0.2	0.2	0.6	0.5	0.4	0.1	0.0	0.0
230.	*	0.2	0.2	0.7	0.5	0.5	0.1	0.0	0.0
240.	*	0.2	0.2	0.7	0.6	0.5	0.1	0.0	0.0
250.	*	0.2	0.2	0.9	0.9	0.7	0.1	0.0	0.0
260.	*	0.2	0.2	1.4	1.2	0.7	0.1	0.0	0.0
270.	*	0.5	0.2	1.6	0.7	0.2	0.3	0.1	0.0
280.	*	0.9	0.5	1.0	0.1	0.0	0.6	0.4	0.3
290.	*	1.0	0.7	0.6	0.0	0.0	0.7	0.5	0.4
300.	*	1.0	0.7	0.5	0.0	0.0	0.6	0.4	0.4
310.	*	1.1	1.0	0.3	0.0	0.0	0.5	0.4	0.3
320.	*	1.3	1.2	0.4	0.0	0.0	0.5	0.3	0.3
330.	*	1.3	1.3	0.5	0.0	0.0	0.5	0.3	0.3
340.	*	1.5	1.4	0.8	0.0	0.0	0.6	0.3	0.3
350.	*	1.6	1.2	1.5	0.0	0.0	1.1	0.4	0.3
360.	*	0.8	0.5	3.2	0.8	0.2	2.7	1.2	0.7
MAX	*	1.6	1.4	3.2	1.8	1.4	2.7	2.1	1.6
DEGR.	*	350	340	0	10	130	0	10	10

THE HIGHEST CONCENTRATION OF 3.20 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013lvdwntwn S. Main St and W. Charleston EMU With Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 8:11

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-87.9	* 64.	360. AG	167.	100.0	0.0	11.0	1.01	10.7
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1373.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	-156.3	* 309.	180. AG	222.	100.0	0.0	11.0	1.19	51.5
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1674.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2460.	6.1	0.0	17.0		
6. Link_12	* 152.4	7.6	83.2	7.6	* 69.	270. AG	159.	100.0	0.0	14.6	1.00	11.5
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2426.	6.1	0.0	17.0		
8. Link_4	* -152.4	-7.6	-119.6	-7.6	* 33.	90. AG	159.	100.0	0.0	14.6	0.88	5.5

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
1. Link_2	* 60	35	2.0	1269	1200	35.50	1	3
3. Link_5	* 60	35	2.0	2004	1200	35.50	1	3
6. Link_12	* 60	25	2.0	2488	1200	35.50	1	3
8. Link_4	* 60	25	2.0	2188	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.3	0.2	0.2	0.3	0.1	1.2	1.3
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.3	0.1	0.0	1.2	0.9	0.7	0.5	0.0	0.0	0.5	0.7
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	1.0	0.7	0.6	0.3	1.3	1.1	1.0	1.0	0.0	0.0	0.2	0.5
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.4	0.9	0.8	0.6	0.6	1.2	1.0	0.9	0.9	0.0	0.0	0.1	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.5	0.8	0.7	0.7	0.5	1.1	1.0	0.8	0.7	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.5	1.0	1.0	0.9	0.8	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.8	0.8	0.7	0.5	0.6	0.5	0.5	0.5	1.0	0.9	0.9	0.9	0.0	0.0	0.1	0.7
70.	0.0	0.0	0.0	0.0	0.9	0.8	0.4	0.2	0.6	0.5	0.5	0.4	1.3	1.3	1.2	1.1	0.0	0.0	0.1	1.0
80.	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.6	0.5	0.5	0.5	1.5	1.1	1.0	0.9	0.0	0.0	0.2	1.7
90.	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.7	0.5	0.5	0.4	0.8	0.7	0.6	0.5	0.3	0.2	0.6	1.6
100.	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.8	0.7	0.6	0.6	0.6	0.7	0.6	0.9	0.9
110.	0.6	0.6	0.4	0.2	0.0	0.0	0.0	0.0	1.0	1.0	0.9	0.8	0.7	0.6	0.6	0.5	0.5	0.6	0.7	0.5
120.	0.5	0.5	0.6	0.5	0.0	0.0	0.0	0.0	1.1	0.9	0.9	0.8	0.7	0.6	0.6	0.6	0.5	0.4	0.6	0.3
130.	0.3	0.3	0.4	0.6	0.0	0.0	0.0	0.0	1.2	1.1	1.1	0.9	0.7	0.7	0.8	0.8	0.4	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.4	0.0	0.0	0.0	0.0	1.3	1.1	1.0	0.9	0.9	0.8	0.9	0.9	0.3	0.3	0.5	0.2
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.1	1.0	1.0	1.2	1.2	1.1	0.9	0.4	0.3	0.5	0.2
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.6	1.5	1.4	1.4	1.5	1.1	0.8	0.4	0.3	0.3	0.6	0.2
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.7	1.3	1.0	0.7	1.0	0.4	0.1	0.0	0.3	0.3	0.5	0.3
180.	0.4	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.6	0.4	1.2	0.8
190.	0.9	0.7	0.7	0.5	0.4	0.4	0.1	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.5	1.2	2.0	1.6
200.	1.2	1.1	1.0	0.9	1.0	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.7	1.3	1.9	1.5
210.	1.0	0.9	0.9	0.8	0.7	0.8	0.9	0.7	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.3	1.3	1.5	1.2
220.	1.0	0.8	0.8	0.8	0.7	0.6	0.7	0.8	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.0	1.3	1.1
230.	0.9	0.9	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.4	0.0	0.0	0.0	0.0	1.1	0.9	1.1	1.1
240.	0.9	0.9	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.0	0.0	0.0	0.0	1.1	0.9	1.1	1.1
250.	1.0	1.1	1.0	0.9	0.5	0.5	0.4	0.4	0.8	0.5	0.4	0.2	0.0	0.0	0.0	0.0	1.3	1.2	1.2	1.1
260.	1.3	1.0	0.8	0.6	0.6	0.6	0.5	0.4	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.7	1.5	1.8	1.0
270.	0.7	0.6	0.4	0.4	0.6	0.5	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.9	2.0	1.3
280.	0.6	0.5	0.4	0.4	0.9	0.9	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.7	0.6	1.3	1.6
290.	0.5	0.5	0.4	0.4	0.9	0.9	0.7	0.7	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.7	0.6	0.9	1.7
300.	0.6	0.6	0.4	0.4	1.1	1.0	0.9	0.7	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.3	0.7	0.6	0.8	1.6
310.	0.6	0.6	0.5	0.5	1.1	1.1	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.8	0.7	0.8	1.5
320.	0.7	0.6	0.6	0.6	1.2	1.0	0.9	0.9	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.8	0.8	0.9	1.4
330.	0.8	0.7	0.6	0.5	1.1	1.1	1.0	0.9	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.0	0.9	1.1	1.4
340.	0.8	0.5	0.3	0.1	1.2	1.2	1.0	0.9	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.2	1.0	1.4	1.7
350.	0.3	0.1	0.0	0.0	0.9	0.9	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.1	0.6	1.6	1.9
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.3	0.2	0.2	0.3	0.1	1.2	1.3
MAX	1.3	1.1	1.0	0.9	1.2	1.2	1.0	0.9	1.7	1.5	1.4	1.4	1.5	1.3	1.2	1.1	1.7	1.5	2.0	1.9
DEGR.	260	200	200	250	320	340	330	320	170	160	160	160	80	70	70	70	200	260	190	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.9	0.5	3.0	0.7	0.2	3.6	1.2	0.7	
10.	*	0.4	0.4	2.9	1.7	1.0	3.3	2.2	1.6	
20.	*	0.5	0.4	2.1	1.6	1.2	2.5	2.1	1.6	
30.	*	0.5	0.4	1.6	1.2	1.0	2.1	1.7	1.4	
40.	*	0.5	0.5	1.3	1.1	0.9	1.6	1.6	1.3	
50.	*	0.6	0.5	1.3	1.0	0.8	1.4	1.3	1.1	
60.	*	0.7	0.7	1.2	0.9	0.8	1.4	1.4	1.2	
70.	*	1.2	1.0	1.2	0.9	0.8	1.6	1.7	1.6	
80.	*	1.5	0.9	1.3	0.8	0.7	2.3	2.2	1.7	
90.	*	0.8	0.2	1.6	1.3	0.9	2.3	1.8	1.1	
100.	*	0.1	0.0	1.9	1.8	1.2	1.6	1.0	0.7	
110.	*	0.0	0.0	1.9	1.8	1.4	1.2	1.0	0.9	
120.	*	0.0	0.0	1.8	1.7	1.4	1.0	1.0	0.9	
130.	*	0.0	0.0	1.7	1.8	1.4	1.1	1.2	0.9	
140.	*	0.0	0.0	1.7	1.7	1.4	1.3	1.3	1.0	
150.	*	0.0	0.0	2.0	1.8	1.5	1.7	1.5	1.3	
160.	*	0.0	0.0	2.4	2.2	1.9	2.3	2.1	1.8	
170.	*	0.0	0.0	3.8	3.0	2.2	3.7	2.6	1.5	
180.	*	0.4	0.1	4.2	1.9	1.0	4.0	1.1	0.3	
190.	*	1.0	0.8	2.0	0.5	0.4	1.9	0.0	0.0	
200.	*	1.0	1.0	1.0	0.4	0.4	0.8	0.0	0.0	
210.	*	0.9	0.9	0.7	0.5	0.4	0.5	0.0	0.0	
220.	*	0.8	0.7	0.7	0.5	0.5	0.3	0.0	0.0	
230.	*	0.7	0.7	0.8	0.6	0.5	0.3	0.0	0.0	
240.	*	0.6	0.6	0.8	0.7	0.6	0.2	0.0	0.0	
250.	*	0.7	0.6	0.9	1.0	0.8	0.2	0.0	0.0	
260.	*	0.6	0.6	1.5	1.3	0.8	0.2	0.0	0.0	
270.	*	0.9	0.7	1.8	0.7	0.2	0.5	0.1	0.1	
280.	*	1.4	1.0	1.0	0.1	0.0	0.9	0.4	0.4	
290.	*	1.6	1.2	0.6	0.0	0.0	0.8	0.5	0.4	
300.	*	1.4	1.3	0.4	0.0	0.0	0.7	0.4	0.4	
310.	*	1.5	1.3	0.4	0.0	0.0	0.7	0.4	0.4	
320.	*	1.3	1.2	0.4	0.0	0.0	0.7	0.3	0.3	
330.	*	1.4	1.3	0.5	0.0	0.0	0.9	0.3	0.3	
340.	*	1.5	1.4	0.7	0.0	0.0	1.1	0.3	0.3	
350.	*	1.6	1.2	1.5	0.0	0.0	1.9	0.4	0.3	
360.	*	0.9	0.5	3.0	0.7	0.2	3.6	1.2	0.7	
MAX	*	1.6	1.4	4.2	3.0	2.2	4.0	2.6	1.8	
DEGR.	*	290	340	180	170	170	180	170	160	

THE HIGHEST CONCENTRATION OF 4.20 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013lvdwntwn I-15 ramps and Charleston DEMU With project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 8:30

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-135.6	* 17.	360. AG	167.	100.0	0.0	11.0	0.68	2.8
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1940.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	131.2	* 21.	180. AG	222.	100.0	0.0	11.0	0.76	3.5
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1641.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	740.	6.1	0.0	17.0		
6. Link_12	* 152.4	7.6	134.2	7.6	* 18.	270. AG	198.	100.0	0.0	18.3	0.70	3.0
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	1441.	6.1	0.0	17.0		
8. Link_4	* -152.4	-7.6	-140.4	-7.6	* 12.	90. AG	198.	100.0	0.0	18.3	0.46	2.0

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
1. Link_2	* 60	35	2.0	854	1200	35.50	1	3
3. Link_5	* 60	35	2.0	1286	1200	35.50	1	3
6. Link_12	* 60	25	2.0	2182	1200	35.50	1	3
8. Link_4	* 60	25	2.0	1440	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.4	0.1	1.3	1.2
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.5	0.3	0.3	0.3	0.0	0.0	0.7	0.5
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.1	0.5	0.4	0.4	0.3	0.0	0.0	0.3	0.2
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.3	0.5	0.4	0.3	0.3	0.0	0.0	0.2	0.1
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.1	0.1
50.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.2
60.	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.2
70.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.3
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.4	0.3	0.3	0.0	0.0	0.1	0.5
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.5
100.	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
110.	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.1
120.	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.3
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.0
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.1
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.3	0.1
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.5	0.4	0.3	0.1	0.1	0.1	0.4	0.1
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.2	0.3	0.1	0.0	0.0	0.1	0.1	0.4	0.1
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.6	0.3
190.	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.8	0.5
200.	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.5	0.9	0.4
210.	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.7	0.6	0.8	0.3
220.	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.4
230.	0.5	0.4	0.4	0.4	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.5	0.7	0.4
240.	0.5	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.6	0.4
250.	0.6	0.5	0.5	0.4	0.2	0.2	0.1	0.1	0.4	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.3
260.	0.6	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.9	0.3
270.	0.4	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	1.0	0.4
280.	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.3	0.3	0.6	0.7
290.	0.3	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.1	0.4	0.3	0.4	0.7
300.	0.3	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.4	0.3	0.4	0.5
310.	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.3	0.4	0.4
320.	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.5	0.4	0.4	0.4
330.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.6	0.4	0.6	0.4
340.	0.5	0.4	0.3	0.2	0.5	0.5	0.4	0.5	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.7	0.6	0.8	0.5
350.	0.4	0.1	0.1	0.0	0.6	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	1.0	0.6	1.3	1.0
360.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.4	0.1	1.3	1.2
MAX	0.6	0.5	0.5	0.4	0.6	0.6	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	1.0	0.8	1.3	1.2
DEGR.	250	250	250	230	350	350	330	340	160	160	160	160	10	40	20	40	350	260	350	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.6	0.3	0.3	0.1	0.1	0.7	0.4	0.3
10.	*		0.1	0.1	0.5	0.4	0.2	1.0	0.6	0.5
20.	*		0.1	0.1	0.6	0.4	0.3	1.0	0.8	0.6
30.	*		0.1	0.1	0.5	0.3	0.3	0.9	0.7	0.5
40.	*		0.2	0.1	0.4	0.3	0.3	0.8	0.7	0.5
50.	*		0.2	0.2	0.5	0.3	0.3	0.5	0.5	0.5
60.	*		0.2	0.2	0.4	0.3	0.2	0.5	0.5	0.4
70.	*		0.3	0.3	0.5	0.3	0.2	0.4	0.5	0.5
80.	*		0.5	0.3	0.5	0.2	0.2	0.7	0.7	0.5
90.	*		0.2	0.1	0.7	0.4	0.2	0.7	0.5	0.4
100.	*		0.0	0.0	0.7	0.5	0.4	0.5	0.3	0.2
110.	*		0.0	0.0	0.7	0.6	0.4	0.4	0.3	0.3
120.	*		0.0	0.0	0.7	0.5	0.5	0.3	0.3	0.3
130.	*		0.0	0.0	0.5	0.5	0.4	0.3	0.4	0.3
140.	*		0.0	0.0	0.4	0.5	0.5	0.4	0.4	0.3
150.	*		0.0	0.0	0.5	0.5	0.4	0.5	0.5	0.4
160.	*		0.0	0.0	0.5	0.7	0.6	0.6	0.6	0.4
170.	*		0.0	0.0	0.9	1.1	0.8	1.1	0.8	0.5
180.	*		0.1	0.0	1.1	0.7	0.4	1.1	0.4	0.1
190.	*		0.2	0.2	0.5	0.3	0.2	0.6	0.0	0.0
200.	*		0.3	0.3	0.3	0.3	0.2	0.3	0.0	0.0
210.	*		0.3	0.3	0.2	0.3	0.3	0.2	0.0	0.0
220.	*		0.3	0.2	0.3	0.3	0.3	0.1	0.0	0.0
230.	*		0.2	0.2	0.3	0.4	0.3	0.1	0.0	0.0
240.	*		0.2	0.2	0.4	0.4	0.3	0.1	0.0	0.0
250.	*		0.2	0.2	0.5	0.6	0.4	0.1	0.0	0.0
260.	*		0.2	0.2	0.9	0.8	0.5	0.1	0.0	0.0
270.	*		0.2	0.2	0.9	0.4	0.1	0.3	0.1	0.0
280.	*		0.6	0.4	0.5	0.1	0.0	0.4	0.2	0.2
290.	*		0.6	0.5	0.3	0.0	0.0	0.5	0.3	0.2
300.	*		0.6	0.5	0.2	0.0	0.0	0.4	0.3	0.2
310.	*		0.4	0.4	0.1	0.0	0.0	0.4	0.2	0.2
320.	*		0.4	0.3	0.1	0.0	0.0	0.3	0.2	0.2
330.	*		0.4	0.4	0.1	0.0	0.0	0.4	0.2	0.2
340.	*		0.6	0.6	0.1	0.0	0.0	0.4	0.2	0.2
350.	*		1.0	0.8	0.1	0.0	0.0	0.5	0.2	0.2
360.	*		0.6	0.3	0.3	0.1	0.1	0.7	0.4	0.3
MAX	*		1.0	0.8	1.1	1.1	0.8	1.1	0.8	0.6
DEGR.	*		350	350	180	170	170	170	20	20

THE HIGHEST CONCENTRATION OF 1.30 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013lvdwntwn I-15 ramps and Charleston EMU With project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16: 8:50

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-134.5	* 18.	360.	AG	167.	100.0	0.0	11.0	0.70	3.0
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360.	AG	1985.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	128.1	* 24.	180.	AG	222.	100.0	0.0	11.0	0.81	4.0
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180.	AG	1775.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90.	AG	757.	6.1	0.0	17.0		
6. Link_12	* 152.4	7.6	131.4	7.6	* 21.	270.	AG	198.	100.0	0.0	18.3	0.76	3.5
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270.	AG	1550.	6.1	0.0	17.0		
8. Link_4	* -152.4	-7.6	-140.3	-7.6	* 12.	90.	AG	198.	100.0	0.0	18.3	0.47	2.0

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
1. Link_2	* 60	35	2.0	887	1200	35.50	1	3
3. Link_5	* 60	35	2.0	1362	1200	35.50	1	3
6. Link_12	* 60	25	2.0	2361	1200	35.50	1	3
8. Link_4	* 60	25	2.0	1457	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.4	0.1	1.5	1.3
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.0	0.5	0.4	0.3	0.3	0.0	0.0	0.7	0.5
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.2	0.5	0.5	0.4	0.3	0.0	0.0	0.3	0.2
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.3	0.6	0.5	0.3	0.3	0.0	0.0	0.2	0.1
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.1	0.1
50.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.2
60.	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.2
70.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.4	0.0	0.0	0.1	0.3
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.4	0.3	0.3	0.0	0.0	0.1	0.5
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.5
100.	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
110.	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.3	0.1
120.	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.3	0.1
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.0
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.1
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.1	0.1	0.3	0.1
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.5	0.4	0.3	0.1	0.1	0.1	0.4	0.1
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.3	0.1	0.1	0.0	0.1	0.1	0.4	0.1
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.7	0.3
190.	0.3	0.2	0.2	0.1	0.2	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.3	0.9	0.5
200.	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.5	0.9	0.4
210.	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.6	0.9	0.4
220.	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.5	0.7	0.4
230.	0.5	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.7	0.4
240.	0.5	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.7	0.4
250.	0.6	0.5	0.5	0.5	0.2	0.2	0.2	0.1	0.5	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.4
260.	0.7	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.8	0.9	0.3
270.	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	1.1	0.5
280.	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.5	0.3	0.7	0.7
290.	0.3	0.2	0.2	0.2	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.1	0.4	0.3	0.5	0.7
300.	0.3	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.4	0.3	0.4	0.5
310.	0.3	0.3	0.3	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.3	0.4	0.5
320.	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.4	0.5	0.4
330.	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.6	0.4	0.6	0.4
340.	0.6	0.5	0.4	0.2	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.8	0.6	0.8	0.5
350.	0.4	0.2	0.1	0.0	0.6	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	1.0	0.6	1.3	1.1
360.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.4	0.1	1.5	1.3
MAX	0.7	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.5	0.4	0.4	1.0	0.8	1.5	1.3
DEGR.	260	250	250	250	350	350	340	340	160	160	160	160	30	20	20	40	260	260	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.3	0.3	0.1	0.1	0.7	0.4	0.3
10.	*	0.1	0.1	0.5	0.4	0.2	1.0	0.8	0.5
20.	*	0.1	0.1	0.6	0.4	0.3	1.1	0.8	0.6
30.	*	0.1	0.1	0.5	0.4	0.3	0.9	0.8	0.7
40.	*	0.2	0.1	0.5	0.3	0.3	0.8	0.8	0.7
50.	*	0.2	0.2	0.5	0.3	0.3	0.5	0.6	0.5
60.	*	0.2	0.2	0.5	0.3	0.2	0.5	0.5	0.4
70.	*	0.3	0.3	0.5	0.3	0.2	0.4	0.5	0.5
80.	*	0.5	0.3	0.5	0.2	0.2	0.7	0.7	0.6
90.	*	0.2	0.1	0.7	0.4	0.3	0.7	0.5	0.4
100.	*	0.0	0.0	0.7	0.5	0.4	0.5	0.3	0.3
110.	*	0.0	0.0	0.7	0.7	0.4	0.4	0.3	0.3
120.	*	0.0	0.0	0.7	0.6	0.5	0.3	0.3	0.3
130.	*	0.0	0.0	0.5	0.5	0.4	0.4	0.4	0.3
140.	*	0.0	0.0	0.5	0.5	0.5	0.4	0.4	0.3
150.	*	0.0	0.0	0.5	0.5	0.5	0.6	0.5	0.4
160.	*	0.0	0.0	0.5	0.7	0.6	0.7	0.7	0.6
170.	*	0.0	0.0	1.1	1.1	0.8	1.2	0.9	0.6
180.	*	0.1	0.0	1.2	0.8	0.4	1.2	0.4	0.1
190.	*	0.2	0.2	0.6	0.3	0.2	0.6	0.0	0.0
200.	*	0.4	0.3	0.4	0.3	0.2	0.3	0.0	0.0
210.	*	0.3	0.3	0.3	0.3	0.3	0.2	0.0	0.0
220.	*	0.3	0.2	0.3	0.3	0.3	0.1	0.0	0.0
230.	*	0.2	0.2	0.4	0.4	0.3	0.1	0.0	0.0
240.	*	0.2	0.2	0.4	0.4	0.4	0.1	0.0	0.0
250.	*	0.2	0.2	0.5	0.6	0.4	0.1	0.0	0.0
260.	*	0.2	0.2	0.9	0.9	0.5	0.1	0.0	0.0
270.	*	0.2	0.2	1.0	0.5	0.1	0.3	0.1	0.0
280.	*	0.6	0.4	0.6	0.1	0.0	0.5	0.2	0.2
290.	*	0.6	0.5	0.3	0.0	0.0	0.5	0.3	0.3
300.	*	0.6	0.5	0.2	0.0	0.0	0.4	0.3	0.3
310.	*	0.4	0.4	0.1	0.0	0.0	0.4	0.3	0.2
320.	*	0.4	0.3	0.1	0.0	0.0	0.4	0.2	0.2
330.	*	0.4	0.4	0.1	0.0	0.0	0.5	0.2	0.2
340.	*	0.6	0.6	0.1	0.0	0.0	0.4	0.2	0.2
350.	*	1.0	0.8	0.1	0.0	0.0	0.5	0.2	0.2
360.	*	0.6	0.3	0.3	0.1	0.1	0.7	0.4	0.3
MAX	*	1.0	0.8	1.2	1.1	0.8	1.2	0.9	0.7
DEGR.	*	350	350	180	170	170	170	170	40

THE HIGHEST CONCENTRATION OF 1.50 PPM OCCURRED AT RECEPTOR REC19.

Central Station “A” Alternative- No Project Output-2013

JOB: 2013centralA- W. Twain and S. Valley View- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 19:59:17

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-138.2	* 14.	360. AG	159.	100.0	0.0	11.0	0.55	2.4
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1070.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	138.1	* 14.	180. AG	159.	100.0	0.0	11.0	0.55	2.4
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1039.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	623.	7.6	0.0	13.4		
6. Link_12	* 152.4	7.6	129.1	7.6	* 23.	270. AG	207.	100.0	0.0	11.0	0.79	3.9
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	792.	7.6	0.0	13.4		
8. Link_4	* -152.4	-7.6	-143.1	-7.6	* 9.	90. AG	207.	100.0	0.0	11.0	0.38	1.6

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
1. Link_2	* 60	26	2.0	986	1200	45.50	1	3
3. Link_5	* 60	26	2.0	994	1200	45.50	1	3
6. Link_12	* 60	34	2.0	1049	1200	45.50	1	3
8. Link_4	* 60	34	2.0	495	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	0.9	0.8	
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.5	0.4	
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.2	0.2	
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.1	
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.2
50.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.1	0.2	
60.	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.2	
70.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.3	
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.3	0.2	0.0	0.0	0.1	0.6	
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.6	
100.	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.3	
110.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.3	0.1	
120.	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.1	
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.0	
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.1	0.1	0.2	0.0	
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.2	0.1	0.1	0.1	0.3	0.0	
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.3	0.0	
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.2	
190.	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.3	
200.	0.3	0.3	0.3	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.3	0.7	0.3	
210.	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.3	
220.	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.2	
230.	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.3	
240.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.3	
250.	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	
260.	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.3	
270.	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.7	0.4	
280.	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.2	0.4	0.5	
290.	0.2	0.2	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.6	
300.	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.5	
310.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.4	
320.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	
330.	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.3	
340.	0.4	0.3	0.2	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.5	0.4	
350.	0.2	0.1	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.7	0.4	0.9	0.7	
360.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	0.9	0.8	
MAX	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.4	0.3	0.3	0.7	0.5	0.9	0.8	
DEGR.	210	230	230	210	340	340	310	60	160	160	130	130	80	70	20	20	350	260	350	0	

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	0.4	0.2	0.3	0.0	0.0	0.4	0.1	0.1
10.	0.1	0.1	0.4	0.2	0.2	0.6	0.4	0.3
20.	0.1	0.1	0.3	0.3	0.2	0.7	0.6	0.3
30.	0.2	0.1	0.3	0.2	0.2	0.7	0.5	0.4
40.	0.2	0.1	0.3	0.2	0.2	0.5	0.5	0.4
50.	0.2	0.1	0.3	0.2	0.2	0.4	0.4	0.3
60.	0.2	0.2	0.3	0.2	0.2	0.4	0.5	0.3
70.	0.3	0.3	0.3	0.2	0.2	0.4	0.4	0.4
80.	0.5	0.3	0.4	0.2	0.2	0.6	0.6	0.5
90.	0.2	0.1	0.5	0.3	0.2	0.7	0.4	0.3
100.	0.0	0.0	0.6	0.5	0.3	0.4	0.2	0.2
110.	0.0	0.0	0.6	0.5	0.3	0.2	0.2	0.2
120.	0.0	0.0	0.5	0.4	0.3	0.2	0.3	0.2
130.	0.0	0.0	0.3	0.4	0.3	0.3	0.3	0.2
140.	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.2
150.	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.3
160.	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.4
170.	0.0	0.0	0.8	0.7	0.5	0.9	0.7	0.3
180.	0.0	0.0	0.9	0.5	0.3	0.9	0.3	0.1
190.	0.2	0.2	0.5	0.2	0.1	0.5	0.0	0.0
200.	0.3	0.2	0.3	0.2	0.2	0.2	0.0	0.0
210.	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
220.	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
230.	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
240.	0.2	0.1	0.3	0.3	0.2	0.1	0.0	0.0
250.	0.2	0.2	0.4	0.4	0.3	0.1	0.0	0.0
260.	0.2	0.1	0.6	0.4	0.3	0.1	0.0	0.0
270.	0.2	0.1	0.7	0.2	0.1	0.1	0.0	0.0
280.	0.4	0.2	0.4	0.0	0.0	0.3	0.1	0.1
290.	0.5	0.4	0.2	0.0	0.0	0.3	0.2	0.2
300.	0.4	0.4	0.1	0.0	0.0	0.3	0.2	0.2
310.	0.4	0.3	0.1	0.0	0.0	0.3	0.2	0.1
320.	0.4	0.3	0.1	0.0	0.0	0.3	0.1	0.1
330.	0.3	0.3	0.1	0.0	0.0	0.3	0.1	0.1
340.	0.4	0.4	0.1	0.0	0.0	0.3	0.1	0.1
350.	0.7	0.5	0.1	0.0	0.0	0.3	0.1	0.1
360.	0.4	0.2	0.3	0.0	0.0	0.4	0.1	0.1
MAX	0.7	0.5	0.9	0.7	0.5	0.9	0.7	0.5
DEGR.	350	350	180	170	160	170	170	80

THE HIGHEST CONCENTRATION OF 0.90 PPM OCCURRED AT RECEPTOR REC26.

JOB: 2013centralA- W. Twain and Dean Martin/ Industrial- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 20: 0:49

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-144.2	*	8.	360. AG	146.	100.0	0.0	14.6	0.36	1.4
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	822.	7.6	0.0	17.0		
3. Link_5	*	-7.6	152.4	-7.6	132.2	*	20.	180. AG	110.	100.0	0.0	11.0	0.79	3.4
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1142.	7.6	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	1323.	7.6	0.0	13.4		
6. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	151.	7.6	0.0	13.4		
7. Link_4	*	-152.4	-7.6	-143.1	-7.6	*	9.	90. AG	342.	100.0	0.0	14.6	0.47	1.6

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)		
1. Link_2	*	60	18	2.0	1098	1200	45.50	1	3
3. Link_5	*	60	18	2.0	1805	1200	45.50	1	3
7. Link_4	*	60	42	2.0	535	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.6	0.8
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.5
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.2	0.4
30.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.0	0.0	0.1	0.3
40.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.3
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.1	0.4
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.1	0.5
70.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.1	0.6
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.5	0.4	0.2	0.0	0.0	0.1	1.0
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.1	0.0	0.0	0.2	1.1
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.1	0.5	0.6
110.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.3	0.3	0.5
120.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.3	0.3	0.4
130.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.4
140.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.4
160.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.3
170.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.2	0.1	0.0	0.0	0.2	0.2	0.3	0.1
180.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.4	0.2
190.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.4
200.	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.5	0.8	0.5
210.	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.4
220.	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4
230.	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.3
240.	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.4
250.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
260.	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.5
270.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.6
280.	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.2	0.2	0.2	0.5
290.	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.5
300.	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.5
310.	0.2	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
320.	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.4
330.	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.4
340.	0.3	0.3	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.5
350.	0.2	0.1	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.6	0.7
360.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.6	0.8
MAX	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.6	0.5	0.5	0.4	0.7	0.5	0.8	1.1
DEGR.	210	200	200	200	70	340	340	340	110	110	110	110	70	70	70	70	200	200	200	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.4	0.2	0.0	0.0	0.4	0.0	0.0	
10.	*	0.3	0.2	0.2	0.1	0.2	0.6	0.3	0.1	
20.	*	0.3	0.3	0.3	0.2	0.2	0.6	0.4	0.2	
30.	*	0.3	0.3	0.2	0.2	0.2	0.5	0.5	0.3	
40.	*	0.4	0.3	0.2	0.2	0.2	0.5	0.5	0.3	
50.	*	0.4	0.3	0.2	0.1	0.1	0.5	0.5	0.5	
60.	*	0.5	0.4	0.2	0.1	0.1	0.6	0.5	0.4	
70.	*	0.6	0.4	0.2	0.1	0.1	0.5	0.7	0.6	
80.	*	0.7	0.4	0.1	0.1	0.1	0.9	1.0	0.7	
90.	*	0.4	0.1	0.2	0.1	0.1	1.1	0.7	0.4	
100.	*	0.0	0.0	0.5	0.4	0.3	0.5	0.3	0.2	
110.	*	0.0	0.0	0.5	0.4	0.4	0.4	0.3	0.2	
120.	*	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.2	
130.	*	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	
140.	*	0.0	0.0	0.3	0.3	0.2	0.3	0.3	0.3	
150.	*	0.0	0.0	0.2	0.3	0.2	0.4	0.4	0.3	
160.	*	0.0	0.0	0.3	0.3	0.3	0.6	0.5	0.4	
170.	*	0.0	0.0	0.6	0.6	0.4	0.8	0.6	0.4	
180.	*	0.0	0.0	0.8	0.4	0.2	1.0	0.3	0.1	
190.	*	0.2	0.1	0.3	0.0	0.0	0.5	0.0	0.0	
200.	*	0.3	0.2	0.1	0.0	0.0	0.2	0.0	0.0	
210.	*	0.3	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
220.	*	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
230.	*	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
240.	*	0.2	0.2	0.1	0.1	0.0	0.1	0.0	0.0	
250.	*	0.2	0.2	0.1	0.1	0.2	0.1	0.0	0.0	
260.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
270.	*	0.3	0.2	0.1	0.0	0.0	0.2	0.1	0.0	
280.	*	0.3	0.2	0.1	0.0	0.0	0.1	0.1	0.1	
290.	*	0.4	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
300.	*	0.4	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
310.	*	0.4	0.4	0.0	0.0	0.0	0.1	0.0	0.0	
320.	*	0.4	0.4	0.0	0.0	0.0	0.1	0.0	0.0	
330.	*	0.4	0.4	0.0	0.0	0.0	0.1	0.0	0.0	
340.	*	0.5	0.5	0.0	0.0	0.0	0.2	0.0	0.0	
350.	*	0.7	0.5	0.0	0.0	0.0	0.2	0.0	0.0	
360.	*	0.6	0.4	0.2	0.0	0.0	0.4	0.0	0.0	
MAX	*	0.7	0.5	0.8	0.6	0.4	1.1	1.0	0.7	
DEGR.	*	350	340	180	170	110	90	80	80	

THE HIGHEST CONCENTRATION OF 1.10 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013centralA- Industrial and Frank Sinatra- No project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 20: 2:12

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C QUEUE	
		X1	Y1	X2	Y2								(VEH)	(VEH)
1. Link_2	*	7.6	-152.4	7.6	-140.0	*	12.	360. AG	140.	100.0	0.0	11.0	0.49	2.1
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	1614.	7.6	0.0	17.0		
3. Link_5	*	-7.6	152.4	-7.6	140.2	*	12.	180. AG	234.	100.0	0.0	18.3	0.48	2.0
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	2090.	7.6	0.0	17.0		
5. Link_10	*	152.4	7.6	-436.8	7.6	*	589.	270. AG	226.	100.0	0.0	11.0	1.45	98.2
6. Link_4	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	512.	7.6	0.0	13.4		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
1. Link_2	*	60	23	2.0	969	1200	45.50	1	3
3. Link_5	*	60	23	2.0	1594	1200	45.50	1	3
5. Link_10	*	60	37	2.0	1653	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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)																			
* (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	* 0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.6	0.2	1.4	1.6
10.	* 0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.1	0.0	0.0	0.6	0.4	0.4	0.4	0.1	0.0	0.8	1.1
20.	* 0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.5	0.7
30.	* 0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.8	0.8	0.8	0.5	0.0	0.0	0.3	0.6
40.	* 0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.9	0.8	0.7	0.7	0.0	0.0	0.3	0.6
50.	* 0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.2	0.2	0.2	0.2	1.0	0.8	0.8	0.8	0.0	0.0	0.3	0.7
60.	* 0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.2	0.2	0.2	0.2	1.0	0.9	0.9	0.8	0.0	0.0	0.5	0.9
70.	* 0.0	0.0	0.0	0.0	0.6	0.5	0.2	0.0	0.2	0.2	0.2	0.2	1.1	0.9	0.9	0.8	0.0	0.0	0.7	1.1
80.	* 0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.2	0.7	0.6	0.5	0.5	0.0	0.0	1.5	1.2
90.	* 0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.7	0.2	2.9	0.6
100.	* 0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.1	0.8	0.6	0.5	0.3	0.3	0.3	0.3	1.7	0.9	2.6	0.2
110.	* 0.9	0.7	0.5	0.3	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.9	0.4	0.3	0.3	0.3	1.4	1.1	1.9	0.1
120.	* 0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.8	0.4	0.3	0.3	0.3	1.1	0.9	1.4	0.1
130.	* 0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.7	0.4	0.3	0.3	0.3	1.0	0.8	1.2	0.0
140.	* 0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.6	0.4	0.4	0.4	0.3	0.9	0.7	1.1	0.0
150.	* 0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.7	0.5	0.5	0.4	0.5	0.8	0.7	1.0	0.0
160.	* 0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.1	0.9	0.9	0.7	0.6	0.5	0.4	0.2	0.8	0.7	1.1	0.0
170.	* 0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	1.1	0.8	0.7	0.6	0.4	0.2	0.1	0.0	0.7	0.6	1.1	0.0
180.	* 0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.1	0.0	0.0	0.0	1.0	0.6	1.3	0.1
190.	* 0.8	0.7	0.6	0.6	0.2	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.5	0.9	1.8	0.6
200.	* 1.0	0.9	0.9	0.7	0.3	0.3	0.2	0.1	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.7	1.3	1.8	0.7
210.	* 1.1	1.0	0.8	0.8	0.4	0.4	0.3	0.2	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.6	1.3	1.7	0.6
220.	* 1.0	1.0	1.0	0.8	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.6	1.2	1.6	0.5
230.	* 1.1	1.0	0.8	0.8	0.3	0.3	0.3	0.3	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	1.5	1.3	1.5	0.4
240.	* 1.0	0.9	0.7	0.7	0.3	0.3	0.2	0.2	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	1.5	1.2	1.7	0.5
250.	* 1.1	1.0	0.9	0.8	0.3	0.3	0.2	0.2	0.8	0.7	0.7	0.6	0.0	0.0	0.0	0.0	1.7	1.3	2.0	0.5
260.	* 1.4	1.2	1.0	0.9	0.3	0.3	0.2	0.2	1.1	0.9	0.8	0.7	0.0	0.0	0.0	0.0	2.2	1.7	2.9	0.5
270.	* 0.9	0.6	0.5	0.4	0.5	0.5	0.3	0.3	0.5	0.3	0.2	0.1	0.2	0.1	0.1	0.0	1.8	1.1	3.8	1.2
280.	* 0.3	0.2	0.2	0.2	1.1	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.4	0.5	0.3	1.7	1.7
290.	* 0.3	0.3	0.2	0.2	0.9	0.9	0.8	0.7	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.4	0.3	0.8	1.3
300.	* 0.3	0.3	0.2	0.2	0.8	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.4	0.3	0.6	1.0
310.	* 0.3	0.3	0.2	0.2	0.7	0.7	0.5	0.6	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.4	0.4	0.6	0.8
320.	* 0.3	0.3	0.3	0.3	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.5	0.4	0.7	0.7
330.	* 0.4	0.3	0.4	0.4	0.8	0.8	0.8	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.6	0.5	0.7	0.8
340.	* 0.6	0.5	0.4	0.2	0.9	0.8	0.8	0.7	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.8	0.6	0.8	1.0
350.	* 0.3	0.2	0.1	0.0	1.0	0.9	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.1	0.7	1.3	1.5
360.	* 0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.6	0.2	1.4	1.6
MAX	* 1.4	1.2	1.0	0.9	1.1	1.0	0.8	0.7	1.1	1.0	0.9	0.9	1.1	0.9	0.9	0.8	2.2	1.7	3.8	1.7
DEGR.	* 260	260	220	260	280	280	330	330	100	110	110	110	70	60	60	60	260	260	270	280

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.1	0.7	0.4	0.1	0.0	1.1	0.7	0.4	
10.	*	0.6	0.5	0.6	0.3	0.2	1.4	1.1	0.7	
20.	*	0.6	0.5	0.6	0.4	0.3	1.4	1.3	0.9	
30.	*	0.5	0.5	0.5	0.4	0.3	1.4	1.2	1.0	
40.	*	0.6	0.6	0.6	0.3	0.3	1.3	1.3	1.2	
50.	*	0.8	0.6	0.5	0.3	0.2	1.3	1.3	1.2	
60.	*	0.8	0.7	0.6	0.3	0.2	1.4	1.3	1.2	
70.	*	0.9	0.8	0.8	0.3	0.3	1.4	1.5	1.3	
80.	*	0.8	0.4	1.6	0.4	0.2	1.6	1.4	1.1	
90.	*	0.1	0.0	3.1	1.2	0.6	0.9	0.8	0.5	
100.	*	0.0	0.0	2.9	2.0	1.4	0.5	0.5	0.4	
110.	*	0.0	0.0	2.1	1.7	1.3	0.4	0.5	0.4	
120.	*	0.0	0.0	1.5	1.3	1.1	0.4	0.5	0.5	
130.	*	0.0	0.0	1.1	1.1	0.9	0.5	0.6	0.5	
140.	*	0.0	0.0	1.0	1.0	0.8	0.6	0.6	0.5	
150.	*	0.0	0.0	1.0	1.0	1.0	0.7	0.7	0.6	
160.	*	0.0	0.0	1.2	1.3	1.2	0.9	1.0	0.7	
170.	*	0.0	0.0	1.7	1.7	1.3	1.4	1.3	0.7	
180.	*	0.0	0.0	2.0	1.4	0.8	1.6	0.8	0.2	
190.	*	0.4	0.2	1.3	0.7	0.5	0.9	0.1	0.0	
200.	*	0.5	0.4	0.9	0.7	0.6	0.5	0.0	0.0	
210.	*	0.5	0.4	0.7	0.7	0.6	0.3	0.0	0.0	
220.	*	0.4	0.4	0.8	0.8	0.6	0.2	0.0	0.0	
230.	*	0.4	0.3	0.9	0.9	0.7	0.2	0.0	0.0	
240.	*	0.4	0.3	1.2	1.0	0.8	0.2	0.0	0.0	
250.	*	0.4	0.3	1.6	1.3	1.0	0.2	0.0	0.0	
260.	*	0.3	0.3	2.6	1.8	1.3	0.2	0.0	0.0	
270.	*	0.8	0.6	3.4	1.4	0.8	0.8	0.4	0.3	
280.	*	1.3	1.2	1.4	0.1	0.0	1.4	1.0	0.9	
290.	*	1.2	1.0	0.5	0.0	0.0	1.1	0.8	0.7	
300.	*	1.0	1.0	0.3	0.0	0.0	0.9	0.6	0.6	
310.	*	0.8	0.7	0.2	0.0	0.0	0.8	0.6	0.5	
320.	*	0.7	0.7	0.2	0.0	0.0	0.8	0.5	0.5	
330.	*	0.7	0.8	0.1	0.0	0.0	0.8	0.4	0.4	
340.	*	1.1	1.0	0.1	0.0	0.0	0.8	0.5	0.4	
350.	*	1.4	1.2	0.1	0.0	0.0	0.9	0.4	0.4	
360.	*	1.1	0.7	0.4	0.1	0.0	1.1	0.7	0.4	
MAX	*	1.4	1.2	3.4	2.0	1.4	1.6	1.5	1.3	
DEGR.	*	350	280	270	100	100	180	70	70	

THE HIGHEST CONCENTRATION OF 3.80 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013centralA- W. Flamingo and I-15 NB Ramps

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 20: 4:52

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
	*	X1	Y1	X2	Y2	*								
1. Link_2	*	7.6	-152.4	7.6	-135.7	*	17.	360. AG	407.	100.0	0.0	18.3	0.72	2.8
2. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2479.	7.6	0.0	17.0		
3. Link_12	*	152.4	7.6	135.1	7.6	*	17.	270. AG	203.	100.0	0.0	18.3	0.72	2.9
4. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2496.	7.6	0.0	24.3		
5. Link_4	*	-152.4	-7.6	-135.7	-7.6	*	17.	90. AG	203.	100.0	0.0	18.3	0.70	2.8
6. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. BR	1274.	7.6	0.0	13.4		

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)		
1. Link_2	*	60	40	2.0	1149	1200	45.50	1	3
3. Link_12	*	60	20	2.0	2592	1200	45.50	1	3
5. Link_4	*	60	20	2.0	2508	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.1	1.1	1.4
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.6	0.8
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.7	0.5	0.5	0.5	0.0	0.0	0.3	0.6
30.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.5	0.5	0.5	0.5	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.3	0.0	0.0	0.1	0.6
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.2	0.2	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.7
60.	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.2	0.2	0.2	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.9
70.	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.1	1.1
80.	0.0	0.0	0.0	0.0	0.5	0.4	0.1	0.0	0.2	0.2	0.1	0.1	0.8	0.5	0.4	0.3	0.0	0.0	0.1	1.7
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.2	0.1	0.0	0.0	0.2	0.1	0.4	1.9
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.3	0.8	1.1
110.	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.5	0.9	0.6
120.	0.5	0.4	0.3	0.4	0.0	0.0	0.0	0.0	1.0	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.5	0.8	0.4
130.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.5	0.5	0.7	0.2
140.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.4	0.0	0.0	0.0	0.1	0.4	0.4	0.6	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.4	0.0	0.1	0.2	0.2	0.4	0.4	0.7	0.3
160.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.5	0.5	0.4	0.2	0.2	0.2	0.1	0.4	0.4	0.7	0.3
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.0	0.0	0.0	0.4	0.4	0.7	0.2
180.	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.9	0.4
190.	0.4	0.4	0.4	0.4	0.2	0.2	0.1	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.3
200.	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.2
210.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.4	0.6	0.2
220.	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.2
230.	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.3
240.	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.3
250.	0.9	0.8	0.8	0.7	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.4
260.	1.1	0.8	0.6	0.5	0.0	0.0	0.0	0.0	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.5	1.3	1.5	0.4
270.	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	1.6	0.8
280.	0.2	0.2	0.2	0.2	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.5	0.2	1.1	1.3
290.	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.3	0.2	0.7	1.3
300.	0.2	0.2	0.2	0.2	0.7	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.4	0.3	0.3	0.5	1.2
310.	0.2	0.2	0.2	0.2	0.8	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3	0.4	1.1
320.	0.3	0.2	0.2	0.2	0.8	0.7	0.7	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.3	0.4	1.0
330.	0.3	0.3	0.2	0.2	0.8	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.5	0.4	0.5	0.8
340.	0.3	0.3	0.2	0.1	0.7	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.6	0.4	0.6	0.9
350.	0.2	0.1	0.0	0.0	0.8	0.7	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.4	0.9	1.2
360.	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.1	1.1	1.4
MAX	1.1	0.8	0.8	0.7	0.8	0.7	0.7	0.6	1.0	0.7	0.7	0.6	0.8	0.6	0.6	0.5	1.5	1.3	1.6	1.9
DEGR.	260	250	250	250	70	70	320	340	120	120	130	120	80	70	70	20	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.0	0.7	0.4	0.1	0.0	0.6	0.4	0.4	
10.	*	0.6	0.5	0.7	0.2	0.1	0.9	0.7	0.6	
20.	*	0.6	0.5	0.6	0.4	0.3	0.8	0.7	0.7	
30.	*	0.6	0.5	0.6	0.4	0.3	0.6	0.6	0.6	
40.	*	0.7	0.6	0.6	0.4	0.2	0.5	0.4	0.4	
50.	*	0.8	0.6	0.5	0.3	0.2	0.5	0.5	0.4	
60.	*	0.9	0.7	0.6	0.3	0.2	0.4	0.5	0.4	
70.	*	1.2	1.0	0.5	0.4	0.2	0.6	0.7	0.7	
80.	*	1.7	1.0	0.5	0.5	0.2	1.3	1.3	1.1	
90.	*	0.9	0.3	0.8	0.8	0.2	1.6	0.9	0.4	
100.	*	0.1	0.0	1.3	1.2	0.8	0.7	0.1	0.0	
110.	*	0.0	0.0	1.4	1.4	1.1	0.2	0.0	0.0	
120.	*	0.0	0.0	1.2	1.3	1.1	0.1	0.0	0.0	
130.	*	0.0	0.0	1.0	1.2	1.0	0.0	0.0	0.0	
140.	*	0.0	0.0	0.9	0.9	0.7	0.0	0.0	0.0	
150.	*	0.0	0.0	0.6	0.7	0.6	0.0	0.0	0.0	
160.	*	0.0	0.0	0.5	0.5	0.5	0.0	0.1	0.1	
170.	*	0.0	0.0	0.5	0.6	0.6	0.2	0.2	0.2	
180.	*	0.1	0.1	0.5	0.5	0.5	0.1	0.0	0.0	
190.	*	0.1	0.2	0.4	0.5	0.5	0.0	0.0	0.0	
200.	*	0.0	0.0	0.4	0.6	0.5	0.0	0.0	0.0	
210.	*	0.0	0.0	0.5	0.6	0.5	0.0	0.0	0.0	
220.	*	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	
230.	*	0.0	0.0	0.6	0.7	0.6	0.0	0.0	0.0	
240.	*	0.0	0.0	0.7	0.8	0.8	0.0	0.0	0.0	
250.	*	0.0	0.0	0.9	1.1	1.1	0.0	0.0	0.0	
260.	*	0.1	0.0	1.4	1.6	1.1	0.0	0.0	0.0	
270.	*	0.4	0.1	1.5	1.3	0.4	0.3	0.2	0.1	
280.	*	1.0	0.4	1.0	0.5	0.0	0.8	0.6	0.4	
290.	*	1.2	0.7	0.6	0.2	0.0	0.9	0.7	0.6	
300.	*	1.1	0.8	0.4	0.1	0.0	0.7	0.6	0.5	
310.	*	1.0	0.9	0.2	0.1	0.0	0.6	0.5	0.5	
320.	*	1.0	0.9	0.2	0.1	0.0	0.5	0.5	0.4	
330.	*	1.0	0.8	0.3	0.1	0.0	0.5	0.5	0.4	
340.	*	1.0	0.9	0.3	0.1	0.0	0.5	0.4	0.4	
350.	*	1.3	1.0	0.3	0.1	0.0	0.5	0.4	0.4	
360.	*	1.0	0.7	0.4	0.1	0.0	0.6	0.4	0.4	
MAX	*	1.7	1.0	1.5	1.6	1.1	1.6	1.3	1.1	
DEGR.	*	80	70	270	260	110	90	80	80	

THE HIGHEST CONCENTRATION OF 1.90 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013centralA- W. Flamingo and Hotel Rio Dr- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 20: 7:45

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-132.0	* 20.	360. AG	382.	100.0	0.0	14.6	0.88	3.4
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	363.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	134.3	* 18.	180. AG	382.	100.0	0.0	14.6	0.84	3.0
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	554.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2392.	7.6	0.0	20.7		
6. Link_12	* 152.4	7.6	141.7	7.6	* 11.	270. AG	132.	100.0	0.0	18.3	0.58	1.8
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2679.	7.6	0.0	20.7		
8. Link_4	* -152.4	-7.6	-142.6	-7.6	* 10.	90. AG	132.	100.0	0.0	18.3	0.53	1.6

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
1. Link_2	* 60	47	2.0	635	1200	45.50	1	3
3. Link_5	* 60	47	2.0	609	1200	45.50	1	3
6. Link_12	* 60	13	2.0	2479	1200	45.50	1	3
8. Link_4	* 60	13	2.0	2265	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.1	0.0	0.4	0.7
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.2	0.5
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.1	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.1	0.4
30.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.0	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.5
40.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.6
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.1	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.6
60.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.8
70.	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.9
80.	0.0	0.0	0.0	0.0	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.4	0.0	0.0	0.0	1.4
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.1	0.1	0.0	0.2	1.6
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.2	0.7	1.0
110.	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.6	0.5	0.8	0.6
120.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.7	0.4
130.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.6	0.6	0.5	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.5	0.1	0.1	0.1	0.2	0.4	0.4	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.5	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.3
160.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.6	0.6	0.6	0.4	0.3	0.3	0.2	0.4	0.4	0.5	0.3
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.5	0.2	0.1	0.0	0.0	0.4	0.3	0.5	0.3
180.	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.7	0.5
190.	0.5	0.4	0.4	0.4	0.2	0.2	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.8	0.5
200.	0.4	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.4
210.	0.4	0.4	0.4	0.4	0.1	0.1	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.3
220.	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4
230.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4
240.	0.6	0.6	0.4	0.4	0.1	0.1	0.1	0.1	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.4
250.	0.8	0.8	0.6	0.6	0.1	0.1	0.1	0.1	0.8	0.6	0.5	0.3	0.0	0.0	0.0	0.0	0.8	0.9	0.7	0.4
260.	0.9	0.7	0.4	0.3	0.1	0.1	0.1	0.1	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.2	1.3	0.4
270.	0.3	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.6	1.7	0.8
280.	0.1	0.1	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.9	1.4
290.	0.1	0.1	0.0	0.0	0.8	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.5	0.3	0.2	0.1	0.1	0.1	0.4	1.4
300.	0.1	0.1	0.0	0.0	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.2	1.3
310.	0.1	0.1	0.1	0.1	0.8	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	1.0
320.	0.1	0.1	0.1	0.2	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.1	0.1	0.1	0.9
330.	0.1	0.2	0.3	0.3	0.7	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.7
340.	0.3	0.3	0.2	0.1	0.5	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.6
350.	0.2	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.3	0.5	0.7
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.1	0.0	0.4	0.7
MAX	0.9	0.8	0.6	0.6	0.8	0.8	0.6	0.6	0.8	0.6	0.6	0.6	0.8	0.7	0.6	0.6	1.4	1.2	1.7	1.6
DEGR.	260	250	250	250	290	300	290	300	130	130	130	160	70	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.5	0.5	0.2	0.1	0.7	0.5	0.5	
10.	*	0.5	0.5	0.5	0.2	0.2	0.7	0.6	0.6	
20.	*	0.5	0.5	0.3	0.1	0.1	0.6	0.6	0.5	
30.	*	0.6	0.5	0.3	0.2	0.1	0.6	0.5	0.6	
40.	*	0.7	0.6	0.5	0.2	0.1	0.5	0.5	0.5	
50.	*	0.7	0.6	0.5	0.2	0.1	0.5	0.4	0.4	
60.	*	0.9	0.7	0.5	0.2	0.1	0.5	0.5	0.5	
70.	*	1.1	0.9	0.5	0.2	0.1	0.7	0.8	0.8	
80.	*	1.5	0.9	0.5	0.3	0.1	1.2	1.2	1.1	
90.	*	1.2	0.3	0.7	0.7	0.1	1.5	1.0	0.5	
100.	*	0.3	0.0	1.3	1.2	0.6	0.8	0.3	0.1	
110.	*	0.1	0.0	1.4	1.3	1.0	0.4	0.1	0.1	
120.	*	0.1	0.0	1.2	1.1	0.9	0.2	0.1	0.1	
130.	*	0.1	0.0	1.0	1.1	0.9	0.1	0.1	0.1	
140.	*	0.1	0.0	0.9	0.9	0.8	0.2	0.2	0.1	
150.	*	0.1	0.0	0.8	0.9	0.8	0.2	0.2	0.2	
160.	*	0.0	0.0	0.7	0.8	0.7	0.3	0.4	0.3	
170.	*	0.0	0.0	0.9	1.1	0.8	0.6	0.5	0.4	
180.	*	0.2	0.1	1.0	0.9	0.6	0.6	0.2	0.0	
190.	*	0.2	0.2	0.6	0.6	0.5	0.3	0.0	0.0	
200.	*	0.1	0.1	0.5	0.6	0.5	0.1	0.0	0.0	
210.	*	0.2	0.1	0.5	0.6	0.6	0.1	0.0	0.0	
220.	*	0.2	0.1	0.6	0.7	0.6	0.0	0.0	0.0	
230.	*	0.2	0.1	0.7	0.8	0.7	0.1	0.0	0.0	
240.	*	0.2	0.1	0.8	1.0	0.8	0.0	0.0	0.0	
250.	*	0.2	0.1	1.0	1.2	1.0	0.0	0.0	0.0	
260.	*	0.3	0.1	1.6	1.7	1.0	0.0	0.0	0.0	
270.	*	0.6	0.2	1.8	1.3	0.3	0.2	0.1	0.0	
280.	*	1.1	0.7	1.2	0.4	0.0	0.8	0.5	0.3	
290.	*	1.4	0.9	0.6	0.1	0.0	0.9	0.7	0.6	
300.	*	1.2	1.1	0.4	0.1	0.0	0.7	0.6	0.6	
310.	*	1.1	0.9	0.2	0.1	0.0	0.6	0.5	0.5	
320.	*	0.9	0.7	0.2	0.1	0.0	0.6	0.5	0.4	
330.	*	0.9	0.7	0.3	0.1	0.0	0.6	0.5	0.4	
340.	*	0.7	0.6	0.3	0.0	0.0	0.6	0.5	0.4	
350.	*	0.8	0.7	0.3	0.0	0.0	0.6	0.4	0.4	
360.	*	0.6	0.5	0.5	0.2	0.1	0.7	0.5	0.5	
MAX	*	1.5	1.1	1.8	1.7	1.0	1.5	1.2	1.1	
DEGR.	*	80	300	270	260	110	90	80	80	

THE HIGHEST CONCENTRATION OF 1.80 PPM OCCURRED AT RECEPTOR REC23.

Central Station “A” Alternative- With Project Output-2013

JOB: 2013centralA- W. Twain and South Valley View- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:20: 3

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-139.3	* 13.	360. AG	146.	100.0	0.0	11.0	0.51	2.2
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1070.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	138.6	* 14.	180. AG	146.	100.0	0.0	11.0	0.54	2.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1093.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	623.	7.6	0.0	13.4		
6. Link_12	* 152.4	7.6	116.5	7.6	* 36.	270. AG	220.	100.0	0.0	11.0	0.92	6.0
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	832.	7.6	0.0	13.4		
8. Link_4	* -152.4	-7.6	-142.5	-7.6	* 10.	90. AG	220.	100.0	0.0	11.0	0.41	1.7

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
1. Link_2	* 60	24	2.0	986	1200	45.50	1	3
3. Link_5	* 60	24	2.0	1034	1200	45.50	1	3
6. Link_12	* 60	36	2.0	1103	1200	45.50	1	3
8. Link_4	* 60	36	2.0	495	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	0.9	0.8	
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.5	0.4	
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.2	0.2	
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.1	
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.5	0.3	0.3	0.3	0.0	0.0	0.1	0.2
50.	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.2	
60.	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.2	
70.	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.3	0.0	0.0	0.1	0.3	
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.3	0.3	0.0	0.0	0.1	0.7	
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.3	0.6	
100.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.4	0.3	
110.	0.2	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.3	0.1	
120.	0.1	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.1	
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.0	
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.1	0.1	0.2	0.0	
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.3	0.0	
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.3	0.0	
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.1	
190.	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.3	
200.	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.3	
210.	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.3	
220.	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.2	
230.	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.3	
240.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.3	0.4	0.3	
250.	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	
260.	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.3	
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.8	0.4	
280.	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.4	0.6	
290.	0.2	0.2	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.7	
300.	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.5	
310.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.4	
320.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	
330.	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.3	
340.	0.4	0.3	0.2	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.5	0.4	
350.	0.2	0.1	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.7	0.4	0.8	0.7	
360.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	0.9	0.8	
MAX	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.5	0.4	0.3	0.7	0.5	0.9	0.8	
DEGR.	210	230	230	120	70	70	60	60	160	160	130	110	40	70	70	20	350	260	0	0	

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.4	0.2	0.2	0.0	0.0	0.4	0.1	0.1
10.	*	0.1	0.1	0.4	0.2	0.1	0.6	0.4	0.3
20.	*	0.1	0.1	0.3	0.3	0.2	0.7	0.6	0.3
30.	*	0.2	0.1	0.4	0.2	0.2	0.7	0.5	0.4
40.	*	0.2	0.1	0.3	0.2	0.2	0.5	0.5	0.4
50.	*	0.2	0.1	0.3	0.2	0.2	0.5	0.4	0.3
60.	*	0.2	0.2	0.3	0.2	0.2	0.4	0.5	0.3
70.	*	0.4	0.4	0.3	0.2	0.2	0.4	0.4	0.4
80.	*	0.6	0.4	0.4	0.2	0.2	0.7	0.7	0.6
90.	*	0.2	0.1	0.6	0.3	0.2	0.7	0.5	0.3
100.	*	0.0	0.0	0.7	0.5	0.3	0.4	0.2	0.2
110.	*	0.0	0.0	0.6	0.5	0.3	0.2	0.2	0.2
120.	*	0.0	0.0	0.5	0.4	0.3	0.3	0.3	0.2
130.	*	0.0	0.0	0.3	0.4	0.4	0.3	0.3	0.2
140.	*	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3
150.	*	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.3
160.	*	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.4
170.	*	0.0	0.0	0.8	0.8	0.6	0.8	0.6	0.4
180.	*	0.0	0.0	0.9	0.5	0.3	0.9	0.3	0.1
190.	*	0.2	0.1	0.5	0.2	0.2	0.5	0.0	0.0
200.	*	0.3	0.2	0.3	0.2	0.2	0.2	0.0	0.0
210.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
220.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
230.	*	0.2	0.2	0.2	0.3	0.2	0.1	0.0	0.0
240.	*	0.2	0.2	0.3	0.3	0.2	0.1	0.0	0.0
250.	*	0.2	0.2	0.4	0.4	0.3	0.1	0.0	0.0
260.	*	0.2	0.2	0.6	0.6	0.3	0.1	0.0	0.0
270.	*	0.2	0.2	0.7	0.2	0.1	0.3	0.0	0.0
280.	*	0.4	0.3	0.4	0.0	0.0	0.3	0.1	0.2
290.	*	0.5	0.4	0.2	0.0	0.0	0.4	0.2	0.2
300.	*	0.4	0.4	0.1	0.0	0.0	0.3	0.2	0.2
310.	*	0.5	0.3	0.1	0.0	0.0	0.3	0.2	0.1
320.	*	0.4	0.3	0.1	0.0	0.0	0.3	0.1	0.1
330.	*	0.3	0.3	0.1	0.0	0.0	0.3	0.1	0.1
340.	*	0.4	0.4	0.1	0.0	0.0	0.4	0.1	0.1
350.	*	0.7	0.5	0.1	0.0	0.0	0.3	0.1	0.1
360.	*	0.4	0.2	0.2	0.0	0.0	0.4	0.1	0.1
MAX	*	0.7	0.5	0.9	0.8	0.6	0.9	0.7	0.6
DEGR.	*	350	350	180	170	170	180	80	80

THE HIGHEST CONCENTRATION OF 0.90 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013centralA- - W. Twain and South Valley View- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:20:21

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-139.3	* 13.	360. AG	146.	100.0	0.0	11.0	0.51	2.2
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1070.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	138.4	* 14.	180. AG	146.	100.0	0.0	11.0	0.55	2.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1116.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	623.	7.6	0.0	13.4		
6. Link_12	* 152.4	7.6	113.1	7.6	* 39.	270. AG	220.	100.0	0.0	11.0	0.94	6.6
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	848.	7.6	0.0	13.4		
8. Link_4	* -152.4	-7.6	-142.5	-7.6	* 10.	90. AG	220.	100.0	0.0	11.0	0.41	1.7

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
1. Link_2	* 60	24	2.0	986	1200	45.50	1	3
3. Link_5	* 60	24	2.0	1050	1200	45.50	1	3
6. Link_12	* 60	36	2.0	1126	1200	45.50	1	3
8. Link_4	* 60	36	2.0	495	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	0.9	0.8
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.5	0.4
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.2	0.2
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.1
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.5	0.3	0.3	0.3	0.0	0.0	0.1	0.2
50.	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.2
60.	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.2
70.	0.0	0.0	0.0	0.0	0.5	0.5	0.2	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.3	0.0	0.0	0.1	0.3
80.	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.3	0.3	0.0	0.0	0.1	0.7
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.3	0.6
100.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.4	0.4	0.3
110.	0.2	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.3	0.1
120.	0.1	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.1
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.0
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.1	0.1	0.2	0.0
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.3	0.0
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.3	0.0
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.1
190.	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.3
200.	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.3
210.	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.3
220.	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.2
230.	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.3
240.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.3	0.4	0.3
250.	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3
260.	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.3
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.8	0.4
280.	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.4	0.6
290.	0.2	0.2	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.7
300.	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.3	0.2	0.2	0.5
310.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.4
320.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3
330.	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.3
340.	0.4	0.3	0.2	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.5	0.4
350.	0.2	0.1	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.7	0.4	0.8	0.7
360.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	0.9	0.8
MAX	0.4	0.4	0.4	0.3	0.5	0.5	0.4	0.3	0.4	0.4	0.3	0.3	0.5	0.5	0.4	0.3	0.7	0.5	0.9	0.8
DEGR.	210	230	230	120	70	70	60	50	100	160	130	110	40	70	70	20	350	250	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.4	0.2	0.2	0.0	0.0	0.4	0.1	0.1
10.	*	0.1	0.1	0.4	0.2	0.2	0.6	0.4	0.3
20.	*	0.1	0.1	0.3	0.3	0.2	0.7	0.6	0.3
30.	*	0.2	0.1	0.4	0.2	0.2	0.7	0.5	0.4
40.	*	0.2	0.1	0.3	0.2	0.2	0.5	0.5	0.4
50.	*	0.2	0.1	0.3	0.2	0.2	0.5	0.4	0.3
60.	*	0.2	0.2	0.3	0.2	0.2	0.4	0.5	0.3
70.	*	0.4	0.4	0.3	0.2	0.2	0.4	0.5	0.5
80.	*	0.6	0.4	0.4	0.2	0.2	0.7	0.7	0.6
90.	*	0.2	0.1	0.6	0.4	0.2	0.7	0.6	0.3
100.	*	0.0	0.0	0.7	0.5	0.3	0.4	0.2	0.2
110.	*	0.0	0.0	0.6	0.5	0.3	0.2	0.3	0.2
120.	*	0.0	0.0	0.5	0.4	0.3	0.3	0.3	0.2
130.	*	0.0	0.0	0.3	0.4	0.4	0.3	0.3	0.2
140.	*	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3
150.	*	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.3
160.	*	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.4
170.	*	0.0	0.0	0.8	0.8	0.6	0.8	0.6	0.4
180.	*	0.0	0.0	1.0	0.6	0.3	1.0	0.3	0.1
190.	*	0.2	0.1	0.5	0.2	0.2	0.5	0.0	0.0
200.	*	0.3	0.2	0.3	0.2	0.2	0.2	0.0	0.0
210.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
220.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
230.	*	0.2	0.2	0.2	0.3	0.2	0.1	0.0	0.0
240.	*	0.2	0.2	0.3	0.3	0.2	0.1	0.0	0.0
250.	*	0.2	0.2	0.4	0.4	0.3	0.1	0.0	0.0
260.	*	0.2	0.2	0.6	0.6	0.3	0.1	0.0	0.0
270.	*	0.2	0.2	0.7	0.2	0.1	0.3	0.0	0.0
280.	*	0.4	0.3	0.4	0.0	0.0	0.3	0.1	0.2
290.	*	0.5	0.4	0.2	0.0	0.0	0.4	0.2	0.2
300.	*	0.4	0.4	0.1	0.0	0.0	0.3	0.2	0.2
310.	*	0.5	0.3	0.1	0.0	0.0	0.3	0.2	0.1
320.	*	0.4	0.3	0.1	0.0	0.0	0.3	0.1	0.1
330.	*	0.3	0.3	0.1	0.0	0.0	0.3	0.1	0.1
340.	*	0.4	0.4	0.1	0.0	0.0	0.4	0.1	0.1
350.	*	0.7	0.5	0.1	0.0	0.0	0.3	0.1	0.1
360.	*	0.4	0.2	0.2	0.0	0.0	0.4	0.1	0.1
MAX	*	0.7	0.5	1.0	0.8	0.6	1.0	0.7	0.6
DEGR.	*	350	350	180	170	170	180	80	80

THE HIGHEST CONCENTRATION OF 1.00 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013centralA- W. Twain and Dean Martin Dr/ Industrial- With project- DEMU
 CAL3QHC RUN

RUN:

DATE : 9/14/ 8
 TIME : 16:20:37

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-144.2	* 8.	360. AG	146.	100.0	0.0	14.6	0.36	1.4
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	822.	7.6	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	92.6	* 60.	180. AG	110.	100.0	0.0	11.0	0.99	10.0
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1527.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2008.	7.6	0.0	13.4		
6. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	151.	7.6	0.0	13.4		
7. Link_4	* -152.4	-7.6	-85.7	-7.6	* 67.	90. AG	342.	100.0	0.0	14.6	1.02	11.1

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
1. Link_2	* 60	18	2.0	1098	1200	45.50	1	3
3. Link_5	* 60	18	2.0	2259	1200	45.50	1	3
7. Link_4	* 60	42	2.0	1151	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.7	1.0	
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.4	0.6	
20.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.3	0.3	0.2	0.1	0.2	0.2	0.1	0.2	0.0	0.0	0.2	0.5	
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.1	0.5	
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.5	0.4	0.5	0.4	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.5	0.0	0.0	0.1	0.8
70.	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.9	0.7	0.6	0.6	0.0	0.0	0.1	1.0
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.8	0.6	0.5	0.4	0.0	0.0	0.1	1.5
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.2	1.7
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.7	0.9
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.5	0.4	0.7	0.4
120.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.4	0.4	0.6	0.2
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.5	0.1
140.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.5	0.2	0.2
150.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.4	0.3	0.3	0.2	0.3	0.3	0.5	0.2	0.2
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.2	0.1	0.3	0.3	0.3	0.5	0.1
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.3	0.1	0.1	0.0	0.3	0.3	0.4	0.1	0.1
180.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.6	0.3	0.3
190.	0.5	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.5	0.9	0.5	0.5
200.	0.6	0.5	0.4	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.7	1.0	0.6	0.6
210.	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.7	0.6	0.8	0.5	0.5
220.	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.0	0.1	0.2	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.5	0.5
230.	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.5	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.5	0.5
240.	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.6	0.6	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.5	0.5
250.	0.4	0.4	0.5	0.5	0.2	0.2	0.2	0.2	0.7	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.6	0.6
260.	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.9	0.8	0.8
270.	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.3	0.5	1.3	1.3
280.	0.1	0.1	0.1	0.1	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.7	0.4	0.2	0.0	0.2	0.2	0.2	0.9	0.9
290.	0.1	0.1	0.1	0.1	0.3	0.3	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.8	0.7	0.4	0.2	0.2	0.2	0.7	0.7
300.	0.2	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.4	0.7	0.7	0.2	0.2	0.2	0.7	0.7
310.	0.2	0.1	0.1	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.2	0.2	0.2	0.6	0.6
320.	0.2	0.3	0.2	0.3	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.2	0.6	0.6
330.	0.3	0.4	0.4	0.2	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.5
340.	0.4	0.3	0.2	0.1	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.6	0.6
350.	0.2	0.1	0.0	0.0	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.7	1.0	1.0
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.7	1.0	1.0
MAX	0.6	0.5	0.5	0.5	0.7	0.7	0.6	0.5	0.7	0.6	0.6	0.6	0.9	0.8	0.7	0.7	0.9	0.8	1.0	1.7	1.7
DEGR.	200	200	250	250	280	280	280	280	250	240	240	230	70	290	290	300	200	260	200	90	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.8	0.5	0.3	0.2	0.1	0.6	0.1	0.1	
10.	*	0.4	0.4	0.3	0.3	0.3	0.7	0.4	0.2	
20.	*	0.5	0.4	0.3	0.2	0.3	0.7	0.5	0.3	
30.	*	0.5	0.4	0.2	0.2	0.2	0.6	0.5	0.4	
40.	*	0.5	0.4	0.2	0.2	0.2	0.6	0.6	0.4	
50.	*	0.6	0.5	0.2	0.1	0.1	0.6	0.6	0.5	
60.	*	0.7	0.6	0.2	0.1	0.1	0.6	0.7	0.6	
70.	*	0.9	0.7	0.2	0.1	0.1	0.8	0.9	0.9	
80.	*	1.1	0.7	0.1	0.1	0.1	1.4	1.3	1.1	
90.	*	0.6	0.2	0.3	0.2	0.1	1.7	1.0	0.6	
100.	*	0.0	0.0	0.7	0.5	0.4	0.8	0.4	0.3	
110.	*	0.0	0.0	0.7	0.6	0.6	0.4	0.3	0.3	
120.	*	0.0	0.0	0.6	0.5	0.5	0.4	0.4	0.3	
130.	*	0.0	0.0	0.4	0.5	0.4	0.4	0.4	0.3	
140.	*	0.0	0.0	0.4	0.3	0.3	0.4	0.5	0.4	
150.	*	0.0	0.0	0.4	0.3	0.4	0.6	0.6	0.4	
160.	*	0.0	0.0	0.5	0.5	0.5	0.7	0.7	0.5	
170.	*	0.0	0.0	0.8	0.8	0.6	1.1	0.9	0.5	
180.	*	0.0	0.0	1.0	0.5	0.2	1.3	0.4	0.1	
190.	*	0.3	0.1	0.4	0.0	0.0	0.7	0.0	0.0	
200.	*	0.4	0.3	0.1	0.0	0.0	0.3	0.0	0.0	
210.	*	0.3	0.3	0.0	0.0	0.0	0.2	0.0	0.0	
220.	*	0.3	0.3	0.0	0.0	0.0	0.1	0.0	0.0	
230.	*	0.3	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
240.	*	0.2	0.2	0.1	0.2	0.3	0.1	0.0	0.0	
250.	*	0.3	0.2	0.4	0.6	0.8	0.1	0.0	0.0	
260.	*	0.2	0.2	0.8	0.7	0.4	0.3	0.1	0.0	
270.	*	0.7	0.5	0.3	0.1	0.0	0.9	0.6	0.3	
280.	*	0.7	0.7	0.1	0.0	0.0	0.5	0.7	0.9	
290.	*	0.5	0.3	0.0	0.0	0.0	0.1	0.1	0.3	
300.	*	0.6	0.4	0.0	0.0	0.0	0.1	0.0	0.0	
310.	*	0.6	0.5	0.0	0.0	0.0	0.1	0.0	0.0	
320.	*	0.6	0.5	0.0	0.0	0.0	0.1	0.0	0.0	
330.	*	0.6	0.5	0.0	0.0	0.0	0.2	0.0	0.0	
340.	*	0.7	0.7	0.0	0.0	0.0	0.3	0.0	0.0	
350.	*	1.0	0.8	0.0	0.0	0.0	0.3	0.0	0.0	
360.	*	0.8	0.5	0.3	0.2	0.1	0.6	0.1	0.1	
MAX	*	1.1	0.8	1.0	0.8	0.8	1.7	1.3	1.1	
DEGR.	*	80	350	180	170	250	90	80	80	

THE HIGHEST CONCENTRATION OF 1.70 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013centralA- W. Twain and Dean Martin Dr/ Industrial- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:20:54

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-144.2	*	8.	360. AG	146.	100.0	0.0	14.6	0.36 1.4	
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	822.	7.6	0.0	17.0		
3. Link_5	*	-7.6	152.4	-7.6	92.6	*	60.	180. AG	110.	100.0	0.0	11.0	0.99 10.0	
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1527.	7.6	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2008.	7.6	0.0	13.4		
6. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	151.	7.6	0.0	13.4		
7. Link_4	*	-152.4	-7.6	-85.7	-7.6	*	67.	90. AG	342.	100.0	0.0	14.6	1.02 11.1	

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)		
1. Link_2	*	60	18	2.0	1098	1200	45.50	1	3
3. Link_5	*	60	18	2.0	2259	1200	45.50	1	3
7. Link_4	*	60	42	2.0	1151	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.7	1.0	
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.4	0.6	
20.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.3	0.3	0.2	0.1	0.2	0.2	0.1	0.2	0.0	0.0	0.2	0.5	
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.1	0.5	
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.5	0.4	0.5	0.4	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.5	0.0	0.0	0.1	0.8
70.	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.9	0.7	0.6	0.6	0.0	0.0	0.1	1.0
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.8	0.6	0.5	0.4	0.0	0.0	0.1	1.5
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.2	1.7
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.7	0.9
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.5	0.4	0.7	0.4
120.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.4	0.4	0.6	0.2
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.5	0.1
140.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.5	0.2	0.2
150.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.4	0.3	0.3	0.2	0.3	0.3	0.5	0.2	0.2
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.2	0.1	0.3	0.3	0.3	0.5	0.1
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.3	0.1	0.1	0.0	0.3	0.3	0.4	0.1	0.1
180.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.6	0.3	0.3
190.	0.5	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.5	0.9	0.5	0.5
200.	0.6	0.5	0.4	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.7	1.0	0.6	0.6
210.	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.7	0.6	0.8	0.5	0.5
220.	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.0	0.1	0.2	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.5	0.5
230.	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.5	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.5	0.5
240.	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.6	0.6	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.5	0.5
250.	0.4	0.4	0.5	0.5	0.2	0.2	0.2	0.2	0.7	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.6	0.6
260.	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.9	0.8	0.8
270.	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.3	0.5	1.3	1.3
280.	0.1	0.1	0.1	0.1	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.7	0.4	0.2	0.0	0.2	0.2	0.2	0.9	0.9
290.	0.1	0.1	0.1	0.1	0.3	0.3	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.8	0.7	0.4	0.2	0.2	0.2	0.7	0.7
300.	0.2	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.4	0.7	0.7	0.2	0.2	0.2	0.7	0.7
310.	0.2	0.1	0.1	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.2	0.2	0.2	0.6	0.6
320.	0.2	0.3	0.2	0.3	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.2	0.6	0.6
330.	0.3	0.4	0.4	0.2	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.5
340.	0.4	0.3	0.2	0.1	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.6	0.6
350.	0.2	0.1	0.0	0.0	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.7	1.0	1.0
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.7	1.0	1.0
MAX	0.6	0.5	0.5	0.5	0.7	0.7	0.6	0.5	0.7	0.6	0.6	0.6	0.9	0.8	0.7	0.7	0.9	0.8	1.0	1.7	1.7
DEGR.	200	200	250	250	280	280	280	280	250	240	240	230	70	290	290	300	200	260	200	90	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.8	0.5	0.3	0.2	0.1	0.6	0.1	0.1	
10.	*	0.4	0.4	0.3	0.3	0.3	0.7	0.4	0.2	
20.	*	0.5	0.4	0.3	0.2	0.3	0.7	0.5	0.3	
30.	*	0.5	0.4	0.2	0.2	0.2	0.6	0.5	0.4	
40.	*	0.5	0.4	0.2	0.2	0.2	0.6	0.6	0.4	
50.	*	0.6	0.5	0.2	0.1	0.1	0.6	0.6	0.5	
60.	*	0.7	0.6	0.2	0.1	0.1	0.6	0.7	0.6	
70.	*	0.9	0.7	0.2	0.1	0.1	0.8	0.9	0.9	
80.	*	1.1	0.7	0.1	0.1	0.1	1.4	1.3	1.1	
90.	*	0.6	0.2	0.3	0.2	0.1	1.7	1.0	0.6	
100.	*	0.0	0.0	0.7	0.5	0.4	0.8	0.4	0.3	
110.	*	0.0	0.0	0.7	0.6	0.6	0.4	0.3	0.3	
120.	*	0.0	0.0	0.6	0.5	0.5	0.4	0.4	0.3	
130.	*	0.0	0.0	0.4	0.5	0.4	0.4	0.4	0.3	
140.	*	0.0	0.0	0.4	0.3	0.3	0.4	0.5	0.4	
150.	*	0.0	0.0	0.4	0.3	0.4	0.6	0.6	0.4	
160.	*	0.0	0.0	0.5	0.5	0.5	0.7	0.7	0.5	
170.	*	0.0	0.0	0.8	0.8	0.6	1.1	0.9	0.5	
180.	*	0.0	0.0	1.0	0.5	0.2	1.3	0.4	0.1	
190.	*	0.3	0.1	0.4	0.0	0.0	0.7	0.0	0.0	
200.	*	0.4	0.3	0.1	0.0	0.0	0.3	0.0	0.0	
210.	*	0.3	0.3	0.0	0.0	0.0	0.2	0.0	0.0	
220.	*	0.3	0.3	0.0	0.0	0.0	0.1	0.0	0.0	
230.	*	0.3	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
240.	*	0.2	0.2	0.1	0.2	0.3	0.1	0.0	0.0	
250.	*	0.3	0.2	0.4	0.6	0.8	0.1	0.0	0.0	
260.	*	0.2	0.2	0.8	0.7	0.4	0.3	0.1	0.0	
270.	*	0.7	0.5	0.3	0.1	0.0	0.9	0.6	0.3	
280.	*	0.7	0.7	0.1	0.0	0.0	0.5	0.7	0.9	
290.	*	0.5	0.3	0.0	0.0	0.0	0.1	0.1	0.3	
300.	*	0.6	0.4	0.0	0.0	0.0	0.1	0.0	0.0	
310.	*	0.6	0.5	0.0	0.0	0.0	0.1	0.0	0.0	
320.	*	0.6	0.5	0.0	0.0	0.0	0.1	0.0	0.0	
330.	*	0.6	0.5	0.0	0.0	0.0	0.2	0.0	0.0	
340.	*	0.7	0.7	0.0	0.0	0.0	0.3	0.0	0.0	
350.	*	1.0	0.8	0.0	0.0	0.0	0.3	0.0	0.0	
360.	*	0.8	0.5	0.3	0.2	0.1	0.6	0.1	0.1	
MAX	*	1.1	0.8	1.0	0.8	0.8	1.7	1.3	1.1	
DEGR.	*	80	350	180	170	250	90	80	80	

THE HIGHEST CONCENTRATION OF 1.70 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013centralA- Industrial and Frank Sinatra- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:21:17

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C QUEUE	
	*	X1	Y1	X2	Y2	*							(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-137.3	*	15.	360. AG	134.	100.0	0.0	11.0	0.61	2.5
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	2006.	7.6	0.0	17.0		
3. Link_5	*	-7.6	152.4	-7.6	139.2	*	13.	180. AG	224.	100.0	0.0	18.3	0.53	2.2
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	2291.	7.6	0.0	17.0		
5. Link_10	*	152.4	7.6	-624.5	7.6	*	777.	270. AG	232.	100.0	0.0	11.0	1.64	129.5
6. Link_4	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	512.	7.6	0.0	13.4		

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)		
1. Link_2	*	60	22	2.0	1241	1200	45.50	1	3
3. Link_5	*	60	22	2.0	1795	1200	45.50	1	3
5. Link_10	*	60	38	2.0	1773	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.1	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.8	0.2	1.7	1.9
10.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.1	0.0	0.0	0.6	0.6	0.4	0.4	0.1	0.0	1.0	1.2
20.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.8	0.7	0.6	0.6	0.0	0.0	0.6	0.9
30.	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	1.0	0.8	0.8	0.6	0.0	0.0	0.4	0.7
40.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	1.0	1.0	0.8	0.7	0.0	0.0	0.4	0.7
50.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.3	0.3	0.3	0.3	1.1	1.0	0.8	0.8	0.0	0.0	0.4	0.8
60.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.3	0.2	0.2	0.2	1.0	1.0	0.9	0.8	0.0	0.0	0.5	1.0
70.	0.0	0.0	0.0	0.0	0.6	0.5	0.2	0.0	0.3	0.3	0.2	0.2	1.1	1.0	0.9	0.8	0.0	0.0	0.8	1.1
80.	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.3	0.3	0.2	0.2	0.8	0.6	0.5	0.5	0.0	0.0	1.5	1.2
90.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.8	0.2	3.0	0.6
100.	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.2	0.8	0.6	0.5	0.4	0.3	0.3	0.3	1.7	1.0	2.8	0.2
110.	0.9	0.8	0.5	0.3	0.0	0.0	0.0	0.0	1.2	1.1	1.0	0.9	0.4	0.4	0.3	0.3	1.4	1.1	2.0	0.1
120.	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.8	0.4	0.4	0.3	0.3	1.2	0.9	1.5	0.1
130.	0.7	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.7	0.4	0.4	0.3	0.3	1.0	0.8	1.3	0.0
140.	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.6	0.5	0.4	0.4	0.4	0.9	0.7	1.2	0.0
150.	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.8	0.6	0.5	0.4	0.5	0.9	0.7	1.2	0.0
160.	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.8	0.8	0.6	0.4	0.2	0.8	0.7	1.1	0.0
170.	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	1.2	0.9	0.8	0.7	0.5	0.2	0.1	0.0	0.8	0.6	1.1	0.0
180.	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.5	0.4	0.4	0.1	0.0	0.0	0.0	1.1	0.7	1.4	0.2
190.	0.9	0.7	0.6	0.6	0.2	0.2	0.0	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.6	1.0	1.9	0.7
200.	1.1	0.9	0.9	0.7	0.4	0.3	0.2	0.1	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.8	1.3	1.9	0.7
210.	1.1	1.0	1.0	0.8	0.4	0.4	0.3	0.2	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.8	1.5	2.0	0.6
220.	1.1	1.0	1.0	0.9	0.4	0.4	0.3	0.3	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.7	1.4	1.8	0.5
230.	1.2	1.0	1.0	0.9	0.3	0.3	0.3	0.3	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	1.7	1.3	1.8	0.5
240.	1.1	0.9	0.9	0.8	0.3	0.3	0.3	0.3	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	1.7	1.3	1.8	0.6
250.	1.2	1.1	1.0	0.9	0.3	0.3	0.3	0.2	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	1.8	1.4	2.1	0.5
260.	1.5	1.3	1.2	1.1	0.3	0.3	0.3	0.3	1.2	1.0	0.9	0.8	0.0	0.0	0.0	0.0	2.4	1.8	3.1	0.5
270.	1.0	0.8	0.7	0.6	0.6	0.6	0.5	0.4	0.7	0.5	0.4	0.3	0.3	0.2	0.2	0.1	2.1	1.4	4.1	1.3
280.	0.3	0.3	0.3	0.3	1.2	1.1	1.0	1.0	0.0	0.0	0.0	0.0	0.8	0.8	0.7	0.6	0.6	0.4	1.8	1.8
290.	0.4	0.3	0.3	0.3	1.0	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.5	0.5	0.4	1.0	1.4
300.	0.4	0.3	0.3	0.3	0.8	0.8	0.8	0.7	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.5	0.4	0.7	1.1
310.	0.4	0.3	0.3	0.3	0.7	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.5	0.5	0.7	0.9
320.	0.4	0.4	0.3	0.3	0.7	0.7	0.5	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.6	0.5	0.8	0.8
330.	0.5	0.4	0.5	0.4	0.8	0.8	0.8	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.7	0.6	0.8	1.0
340.	0.7	0.6	0.4	0.2	1.0	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.0	0.8	1.0	1.2
350.	0.4	0.2	0.1	0.0	1.1	1.0	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	1.4	0.8	1.5	1.7
360.	0.1	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.8	0.2	1.7	1.9
MAX	1.5	1.3	1.2	1.1	1.2	1.1	1.0	1.0	1.2	1.1	1.0	0.9	1.1	1.0	0.9	0.8	2.4	1.8	4.1	1.9
DEGR.	260	260	260	260	280	280	280	280	100	110	110	110	50	40	60	60	260	260	270	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.3	0.8	0.4	0.1	0.0	1.2	0.9	0.4	
10.	*	0.7	0.5	0.7	0.5	0.3	1.6	1.4	0.7	
20.	*	0.6	0.5	0.7	0.5	0.4	1.7	1.4	1.0	
30.	*	0.6	0.5	0.6	0.5	0.4	1.7	1.5	1.1	
40.	*	0.6	0.6	0.7	0.4	0.4	1.5	1.5	1.3	
50.	*	0.8	0.6	0.6	0.3	0.3	1.5	1.4	1.2	
60.	*	0.9	0.7	0.7	0.4	0.3	1.6	1.5	1.3	
70.	*	1.0	0.8	1.0	0.3	0.3	1.5	1.5	1.3	
80.	*	0.8	0.5	1.7	0.4	0.3	1.6	1.5	1.1	
90.	*	0.2	0.0	3.3	1.2	0.7	0.9	0.8	0.6	
100.	*	0.0	0.0	3.1	2.1	1.5	0.5	0.5	0.4	
110.	*	0.0	0.0	2.1	1.7	1.4	0.5	0.5	0.4	
120.	*	0.0	0.0	1.5	1.5	1.2	0.5	0.6	0.5	
130.	*	0.0	0.0	1.2	1.1	0.9	0.5	0.6	0.5	
140.	*	0.0	0.0	1.1	1.0	0.9	0.7	0.7	0.6	
150.	*	0.0	0.0	1.1	1.1	1.0	0.8	0.8	0.7	
160.	*	0.0	0.0	1.3	1.4	1.3	1.0	1.1	0.8	
170.	*	0.0	0.0	1.8	1.9	1.4	1.5	1.5	0.8	
180.	*	0.1	0.0	2.2	1.5	0.9	1.8	0.9	0.2	
190.	*	0.4	0.3	1.4	0.8	0.5	1.0	0.1	0.0	
200.	*	0.6	0.5	0.9	0.7	0.6	0.5	0.0	0.0	
210.	*	0.5	0.5	0.8	0.8	0.6	0.3	0.0	0.0	
220.	*	0.5	0.4	0.8	0.8	0.6	0.2	0.0	0.0	
230.	*	0.4	0.4	1.0	0.9	0.7	0.2	0.0	0.0	
240.	*	0.4	0.3	1.2	1.1	0.8	0.3	0.0	0.0	
250.	*	0.4	0.4	1.6	1.3	1.0	0.2	0.0	0.0	
260.	*	0.4	0.3	2.7	1.9	1.4	0.2	0.0	0.0	
270.	*	1.0	0.8	3.7	1.6	1.0	1.0	0.6	0.4	
280.	*	1.5	1.3	1.4	0.1	0.0	1.5	1.1	1.0	
290.	*	1.3	1.0	0.6	0.0	0.0	1.1	0.8	0.7	
300.	*	1.1	1.0	0.3	0.0	0.0	1.0	0.7	0.6	
310.	*	0.8	0.7	0.2	0.0	0.0	0.9	0.6	0.5	
320.	*	0.7	0.7	0.2	0.0	0.0	0.9	0.5	0.5	
330.	*	0.9	0.8	0.1	0.0	0.0	0.9	0.5	0.4	
340.	*	1.2	1.1	0.1	0.0	0.0	1.0	0.5	0.4	
350.	*	1.7	1.4	0.1	0.0	0.0	0.9	0.5	0.4	
360.	*	1.3	0.8	0.4	0.1	0.0	1.2	0.9	0.4	
MAX	*	1.7	1.4	3.7	2.1	1.5	1.8	1.5	1.3	
DEGR.	*	350	350	270	100	100	180	60	60	

THE HIGHEST CONCENTRATION OF 4.10 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013centralA - Industrial and Frank Sinatra- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:21:56

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
	*	X1	Y1	X2	Y2	*								
1. Link_2	*	7.6	-152.4	7.6	-135.9	*	17.	360. AG	134.	100.0	0.0	11.0	0.66	2.8
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	2168.	7.6	0.0	17.0		
3. Link_5	*	-7.6	152.4	-7.6	138.7	*	14.	180. AG	224.	100.0	0.0	18.3	0.55	2.3
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	2374.	7.6	0.0	17.0		
5. Link_10	*	152.4	7.6	-674.8	7.6	*	827.	270. AG	232.	100.0	0.0	11.0	1.69	137.9
6. Link_4	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	512.	7.6	0.0	13.4		

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)		
1. Link_2	*	60	22	2.0	1353	1200	45.50	1	3
3. Link_5	*	60	22	2.0	1878	1200	45.50	1	3
5. Link_10	*	60	38	2.0	1823	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.1	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.8	0.2	1.9	2.0
10.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.1	0.0	0.0	0.6	0.7	0.5	0.4	0.1	0.0	1.1	1.2
20.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.9	0.7	0.7	0.6	0.0	0.0	0.6	0.9
30.	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	1.0	0.9	0.9	0.6	0.0	0.0	0.4	0.7
40.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	1.1	1.0	0.8	0.8	0.0	0.0	0.4	0.7
50.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.3	0.3	0.3	0.3	1.1	1.0	0.8	0.8	0.0	0.0	0.4	0.8
60.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.3	0.3	0.3	0.3	1.1	1.0	0.9	0.8	0.0	0.0	0.5	1.0
70.	0.0	0.0	0.0	0.0	0.6	0.5	0.2	0.0	0.3	0.3	0.2	0.2	1.1	1.0	0.9	0.8	0.0	0.0	0.8	1.1
80.	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.3	0.3	0.3	0.2	0.8	0.7	0.5	0.5	0.0	0.0	1.5	1.2
90.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.2	0.2	0.4	0.4	0.3	0.3	0.8	0.2	3.0	0.6
100.	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.2	0.9	0.7	0.5	0.4	0.4	0.3	0.3	1.7	1.0	2.8	0.2
110.	0.9	0.8	0.5	0.3	0.0	0.0	0.0	0.0	1.2	1.1	1.1	0.9	0.9	0.4	0.4	0.3	1.4	1.1	2.0	0.1
120.	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.8	0.5	0.4	0.3	0.3	1.2	0.9	1.5	0.1
130.	0.7	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.8	0.7	0.8	0.8	0.5	0.4	0.4	0.3	1.0	0.8	1.3	0.0
140.	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.9	0.7	1.2	0.0
150.	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.8	0.6	0.5	0.6	0.5	0.9	0.7	1.2	0.0
160.	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.2	1.0	0.9	0.8	0.8	0.6	0.4	0.2	0.8	0.7	1.2	0.0
170.	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	1.2	0.9	0.8	0.7	0.5	0.2	0.1	0.0	0.8	0.6	1.2	0.0
180.	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.5	0.4	0.4	0.1	0.0	0.0	0.0	1.1	0.7	1.4	0.3
190.	0.9	0.7	0.6	0.6	0.2	0.2	0.0	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.6	1.0	2.0	0.7
200.	1.1	0.9	0.9	0.8	0.4	0.3	0.2	0.1	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.8	1.4	2.0	0.8
210.	1.2	1.0	1.0	0.9	0.4	0.4	0.3	0.2	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.9	1.5	2.0	0.6
220.	1.1	1.1	1.0	0.9	0.4	0.4	0.3	0.3	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.7	1.4	1.8	0.5
230.	1.2	1.0	1.0	0.9	0.4	0.4	0.3	0.3	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	1.8	1.4	1.9	0.5
240.	1.1	1.0	0.9	0.8	0.3	0.3	0.3	0.3	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	1.7	1.4	1.8	0.6
250.	1.3	1.1	1.0	0.9	0.3	0.3	0.3	0.2	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	1.8	1.4	2.1	0.5
260.	1.6	1.3	1.2	1.1	0.3	0.3	0.3	0.3	1.2	1.0	0.9	0.8	0.0	0.0	0.0	0.0	2.4	1.8	3.1	0.5
270.	1.2	0.9	0.7	0.6	0.7	0.6	0.5	0.5	0.7	0.5	0.4	0.3	0.3	0.3	0.2	0.1	2.2	1.5	4.1	1.4
280.	0.4	0.3	0.3	0.3	1.2	1.1	1.0	1.0	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.6	0.6	0.4	1.8	1.8
290.	0.4	0.4	0.3	0.3	1.0	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.5	0.5	0.4	1.0	1.4
300.	0.4	0.4	0.3	0.3	0.8	0.8	0.8	0.7	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.5	0.5	0.8	1.1
310.	0.4	0.4	0.3	0.3	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.6	0.5	0.7	0.9
320.	0.5	0.4	0.4	0.3	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.7	0.6	0.8	0.8
330.	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.8	0.6	0.8	1.0
340.	0.7	0.6	0.5	0.2	1.1	1.0	0.9	0.8	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.0	0.9	1.0	1.2
350.	0.4	0.2	0.1	0.0	1.2	1.0	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	1.5	0.9	1.6	1.8
360.	0.1	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.8	0.2	1.9	2.0
MAX	1.6	1.3	1.2	1.1	1.2	1.1	1.0	1.0	1.2	1.1	1.1	0.9	1.1	1.0	0.9	0.8	2.4	1.8	4.1	2.0
DEGR.	260	260	260	260	280	280	280	280	100	110	110	110	40	40	60	60	260	260	270	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.4	0.8	0.5	0.1	0.0	1.2	0.9	0.4	
10.	*	0.7	0.5	0.7	0.5	0.3	1.6	1.4	0.8	
20.	*	0.6	0.5	0.8	0.6	0.5	1.8	1.5	1.0	
30.	*	0.6	0.5	0.7	0.5	0.4	1.8	1.5	1.1	
40.	*	0.6	0.6	0.7	0.4	0.4	1.6	1.5	1.4	
50.	*	0.8	0.6	0.7	0.4	0.3	1.5	1.4	1.2	
60.	*	0.9	0.7	0.7	0.4	0.3	1.6	1.5	1.3	
70.	*	1.0	0.8	1.0	0.4	0.3	1.5	1.5	1.4	
80.	*	0.8	0.5	1.7	0.4	0.3	1.6	1.5	1.1	
90.	*	0.2	0.0	3.3	1.2	0.7	0.9	0.9	0.6	
100.	*	0.0	0.0	3.1	2.1	1.5	0.6	0.5	0.4	
110.	*	0.0	0.0	2.2	1.7	1.4	0.5	0.5	0.5	
120.	*	0.0	0.0	1.5	1.5	1.2	0.5	0.6	0.5	
130.	*	0.0	0.0	1.2	1.1	0.9	0.6	0.6	0.6	
140.	*	0.0	0.0	1.1	1.1	0.9	0.7	0.7	0.6	
150.	*	0.0	0.0	1.1	1.1	1.0	0.8	0.9	0.7	
160.	*	0.0	0.0	1.3	1.4	1.3	1.0	1.1	0.8	
170.	*	0.0	0.0	1.9	1.9	1.4	1.6	1.6	0.8	
180.	*	0.1	0.0	2.2	1.5	1.0	1.8	0.9	0.2	
190.	*	0.4	0.3	1.4	0.8	0.5	1.1	0.1	0.0	
200.	*	0.6	0.5	0.9	0.7	0.6	0.5	0.0	0.0	
210.	*	0.5	0.5	0.8	0.8	0.6	0.3	0.0	0.0	
220.	*	0.5	0.4	0.8	0.8	0.6	0.2	0.0	0.0	
230.	*	0.4	0.4	1.0	0.9	0.7	0.2	0.0	0.0	
240.	*	0.4	0.4	1.2	1.1	0.8	0.3	0.0	0.0	
250.	*	0.4	0.4	1.6	1.3	1.0	0.2	0.0	0.0	
260.	*	0.4	0.3	2.7	1.9	1.4	0.2	0.0	0.0	
270.	*	1.0	0.8	3.7	1.6	1.0	1.1	0.6	0.5	
280.	*	1.5	1.3	1.4	0.1	0.0	1.5	1.1	1.0	
290.	*	1.3	1.1	0.6	0.0	0.0	1.1	0.8	0.7	
300.	*	1.1	1.0	0.3	0.0	0.0	1.0	0.7	0.6	
310.	*	0.8	0.7	0.2	0.0	0.0	0.9	0.6	0.5	
320.	*	0.7	0.8	0.2	0.0	0.0	0.9	0.5	0.5	
330.	*	0.9	0.9	0.1	0.0	0.0	0.9	0.5	0.4	
340.	*	1.2	1.1	0.1	0.0	0.0	1.0	0.5	0.4	
350.	*	1.8	1.5	0.1	0.0	0.0	0.9	0.6	0.4	
360.	*	1.4	0.8	0.5	0.1	0.0	1.2	0.9	0.4	
MAX	*	1.8	1.5	3.7	2.1	1.5	1.8	1.6	1.4	
DEGR.	*	350	350	270	100	100	20	170	70	

THE HIGHEST CONCENTRATION OF 4.10 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013centralA- Flamingo and I-15 NB Ramps- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:22:15

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
	*	X1	Y1	X2	Y2	*								
1. Link_2	*	7.6	-152.4	7.6	-133.2	*	19.	360. AG	407.	100.0	0.0	18.3	0.77	3.2
2. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2559.	7.6	0.0	17.0		
3. Link_12	*	152.4	7.6	133.0	7.6	*	19.	270. AG	203.	100.0	0.0	18.3	0.76	3.2
4. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2657.	7.6	0.0	24.3		
5. Link_4	*	-152.4	-7.6	-131.4	-7.6	*	21.	90. AG	203.	100.0	0.0	18.3	0.79	3.5
6. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. BR	1601.	7.6	0.0	13.4		

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)		
1. Link_2	*	60	40	2.0	1229	1200	45.50	1	3
3. Link_12	*	60	20	2.0	2753	1200	45.50	1	3
5. Link_4	*	60	20	2.0	2835	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.1	1.4	1.6
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.0	0.0	0.0	0.6	0.4	0.4	0.4	0.0	0.0	0.7	0.9
20.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.0	0.7	0.7	0.6	0.5	0.0	0.0	0.3	0.6
30.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.6	0.6	0.6	0.5	0.0	0.0	0.2	0.5
40.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.6
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.7
60.	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.9
70.	0.0	0.0	0.0	0.0	0.8	0.8	0.5	0.3	0.2	0.2	0.2	0.2	0.7	0.6	0.6	0.5	0.0	0.0	0.1	1.1
80.	0.0	0.0	0.0	0.0	0.6	0.4	0.1	0.0	0.2	0.2	0.2	0.2	0.8	0.6	0.4	0.3	0.0	0.0	0.1	1.8
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.2	0.1	0.4	2.0
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.3	0.9	1.1
110.	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.7	0.5	0.9	0.6
120.	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.6	0.5	0.8	0.4
130.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.9	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.5	0.5	0.7	0.2
140.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.1	0.4	0.4	0.6	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.1	0.2	0.2	0.5	0.4	0.7	0.3
160.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.2	0.2	0.2	0.1	0.4	0.4	0.8	0.3
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.1	0.0	0.0	0.0	0.4	0.4	0.8	0.3
180.	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	1.1	0.4
190.	0.4	0.4	0.4	0.4	0.2	0.2	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.5	1.0	0.3
200.	0.4	0.3	0.3	0.3	0.1	0.1	0.3	0.3	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.7	0.5	0.8	0.2
210.	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.7	0.5	0.7	0.2
220.	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.3
230.	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.3
240.	0.7	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.8	0.7	0.8	0.3
250.	1.0	0.9	0.8	0.8	0.0	0.0	0.0	0.0	0.9	0.7	0.6	0.3	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.4
260.	1.2	0.9	0.6	0.5	0.0	0.0	0.0	0.0	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.7	1.5	1.5	0.4
270.	0.5	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.8	1.7	0.9
280.	0.3	0.2	0.2	0.2	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.7	0.3	1.1	1.4
290.	0.3	0.2	0.2	0.2	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.4	0.3	0.8	1.4
300.	0.3	0.2	0.2	0.2	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.4	0.3	0.6	1.3
310.	0.3	0.3	0.3	0.2	0.8	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.4	0.4	0.5	1.1
320.	0.3	0.3	0.3	0.2	0.8	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.5	0.4	0.5	1.0
330.	0.4	0.3	0.3	0.3	0.9	0.9	0.7	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.6	0.4	0.6	1.0
340.	0.4	0.3	0.3	0.2	0.8	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.7	0.5	0.8	1.0
350.	0.3	0.2	0.1	0.0	0.8	0.8	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.9	0.5	1.2	1.4
360.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.1	1.4	1.6
MAX	1.2	0.9	0.8	0.8	0.9	0.9	0.7	0.6	1.0	0.8	0.7	0.7	0.8	0.7	0.6	0.5	1.7	1.5	1.7	2.0
DEGR.	260	260	250	250	330	330	320	320	120	120	130	120	80	20	20	20	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.1	0.7	0.4	0.1	0.0	0.6	0.5	0.4	
10.	*	0.6	0.5	0.8	0.3	0.1	1.0	0.8	0.7	
20.	*	0.6	0.5	0.8	0.5	0.3	0.9	0.8	0.8	
30.	*	0.6	0.6	0.7	0.5	0.3	0.7	0.6	0.6	
40.	*	0.7	0.6	0.8	0.4	0.3	0.5	0.5	0.5	
50.	*	0.8	0.7	0.7	0.4	0.3	0.5	0.5	0.5	
60.	*	0.9	0.8	0.6	0.4	0.2	0.5	0.5	0.4	
70.	*	1.2	1.0	0.6	0.5	0.2	0.6	0.7	0.8	
80.	*	1.7	1.0	0.6	0.6	0.2	1.4	1.4	1.1	
90.	*	1.0	0.3	0.9	0.9	0.3	1.6	0.9	0.4	
100.	*	0.1	0.0	1.4	1.3	0.9	0.7	0.1	0.0	
110.	*	0.0	0.0	1.5	1.5	1.1	0.2	0.0	0.0	
120.	*	0.0	0.0	1.4	1.3	1.1	0.1	0.0	0.0	
130.	*	0.0	0.0	1.1	1.2	1.0	0.0	0.0	0.0	
140.	*	0.0	0.0	0.9	0.9	0.7	0.0	0.0	0.0	
150.	*	0.0	0.0	0.7	0.7	0.7	0.0	0.0	0.0	
160.	*	0.0	0.0	0.5	0.6	0.5	0.0	0.1	0.1	
170.	*	0.0	0.0	0.5	0.7	0.6	0.2	0.2	0.2	
180.	*	0.2	0.1	0.5	0.6	0.5	0.1	0.0	0.0	
190.	*	0.1	0.2	0.5	0.6	0.5	0.0	0.0	0.0	
200.	*	0.0	0.0	0.5	0.6	0.5	0.0	0.0	0.0	
210.	*	0.0	0.0	0.5	0.6	0.6	0.0	0.0	0.0	
220.	*	0.0	0.0	0.6	0.7	0.6	0.0	0.0	0.0	
230.	*	0.0	0.0	0.6	0.8	0.7	0.0	0.0	0.0	
240.	*	0.0	0.0	0.8	0.9	0.8	0.0	0.0	0.0	
250.	*	0.0	0.0	0.9	1.2	1.1	0.0	0.0	0.0	
260.	*	0.1	0.0	1.5	1.6	1.2	0.0	0.0	0.0	
270.	*	0.4	0.2	1.6	1.4	0.4	0.4	0.2	0.1	
280.	*	1.1	0.6	1.1	0.5	0.0	0.9	0.6	0.4	
290.	*	1.2	0.9	0.6	0.2	0.0	0.9	0.7	0.6	
300.	*	1.1	0.8	0.4	0.1	0.0	0.8	0.6	0.6	
310.	*	1.1	0.9	0.2	0.1	0.0	0.7	0.6	0.5	
320.	*	1.0	0.9	0.2	0.1	0.0	0.6	0.5	0.4	
330.	*	1.0	0.9	0.3	0.1	0.0	0.5	0.5	0.4	
340.	*	1.1	1.0	0.3	0.1	0.0	0.5	0.4	0.4	
350.	*	1.4	1.1	0.3	0.1	0.0	0.5	0.4	0.4	
360.	*	1.1	0.7	0.4	0.1	0.0	0.6	0.5	0.4	
MAX	*	1.7	1.1	1.6	1.6	1.2	1.6	1.4	1.1	
DEGR.	*	80	350	270	260	260	90	80	80	

THE HIGHEST CONCENTRATION OF 2.00 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013centralA- Flamingo and I-15 NB Ramps- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:22:33

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
1. Link_2	*	7.6	-152.4	7.6	-131.9	*	20.	360. AG	407.	100.0	0.0	18.3	0.79	3.4
2. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2592.	7.6	0.0	17.0		
3. Link_12	*	152.4	7.6	131.8	7.6	*	21.	270. AG	203.	100.0	0.0	18.3	0.78	3.4
4. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2723.	7.6	0.0	24.3		
5. Link_4	*	-152.4	-7.6	-128.4	-7.6	*	24.	90. AG	203.	100.0	0.0	18.3	0.82	4.0
6. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. BR	1735.	7.6	0.0	13.4		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
1. Link_2	*	60	40	2.0	1262	1200	45.50	1	3
3. Link_12	*	60	20	2.0	2819	1200	45.50	1	3
5. Link_4	*	60	20	2.0	2969	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.5	0.2	1.5	1.7
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.0	0.0	0.0	0.6	0.4	0.4	0.4	0.0	0.0	0.8	0.9
20.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.0	0.8	0.7	0.6	0.5	0.0	0.0	0.4	0.6
30.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.7	0.6	0.6	0.6	0.0	0.0	0.2	0.6
40.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.5	0.4	0.4	0.4	0.0	0.0	0.1	0.6
50.	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.5	0.4	0.3	0.3	0.0	0.0	0.2	0.7
60.	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.2	0.2	0.2	0.2	0.5	0.4	0.4	0.4	0.0	0.0	0.1	0.9
70.	0.0	0.0	0.0	0.0	0.8	0.8	0.5	0.3	0.2	0.2	0.2	0.2	0.7	0.6	0.6	0.6	0.0	0.0	0.1	1.1
80.	0.0	0.0	0.0	0.0	0.6	0.4	0.1	0.0	0.2	0.2	0.2	0.2	0.9	0.7	0.4	0.3	0.0	0.0	0.1	1.8
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.2	0.1	0.4	2.0
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.3	0.9	1.2
110.	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.7	0.6	0.9	0.6
120.	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.9	0.7	0.7	0.0	0.0	0.0	0.0	0.6	0.5	0.8	0.4
130.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.9	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.5	0.5	0.7	0.2
140.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.1	0.4	0.4	0.7	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.1	0.2	0.3	0.5	0.4	0.7	0.3
160.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.2	0.2	0.2	0.1	0.4	0.4	0.8	0.3
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.1	0.0	0.0	0.0	0.4	0.4	0.9	0.3
180.	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	1.1	0.5
190.	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	1.0	0.3
200.	0.4	0.3	0.3	0.3	0.1	0.1	0.3	0.3	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.7	0.5	0.8	0.2
210.	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.7	0.5	0.8	0.2
220.	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.8	0.6	0.7	0.3
230.	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.3
240.	0.7	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.7	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.3
250.	1.0	1.0	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.7	0.6	0.3	0.0	0.0	0.0	0.0	1.1	1.0	1.0	0.4
260.	1.2	1.0	0.8	0.5	0.0	0.0	0.0	0.0	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.7	1.5	1.7	0.4
270.	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.8	2.0	0.9
280.	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.7	0.3	1.2	1.5
290.	0.3	0.3	0.2	0.2	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.3	0.4	0.3	0.8	1.4
300.	0.3	0.3	0.2	0.2	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.4	0.4	0.6	1.3
310.	0.3	0.3	0.3	0.3	0.8	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.5	0.4	0.5	1.1
320.	0.4	0.3	0.3	0.3	0.8	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.5	0.4	0.5	1.0
330.	0.4	0.4	0.3	0.3	0.9	0.9	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.6	0.5	0.7	1.0
340.	0.5	0.4	0.3	0.2	1.0	0.9	0.8	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.8	0.6	0.8	1.0
350.	0.3	0.2	0.1	0.0	0.9	0.8	0.7	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.0	0.6	1.3	1.4
360.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.5	0.2	1.5	1.7
MAX	1.2	1.0	0.9	0.9	1.0	0.9	0.8	0.6	1.0	0.9	0.7	0.7	0.9	0.7	0.6	0.6	1.7	1.5	2.0	2.0
DEGR.	260	250	250	250	340	330	340	320	120	120	130	120	80	20	20	30	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.1	0.7	0.4	0.1	0.0	0.6	0.6	0.4	
10.	*	0.6	0.5	0.8	0.3	0.2	1.0	0.8	0.7	
20.	*	0.6	0.5	0.8	0.5	0.4	0.9	0.9	0.8	
30.	*	0.6	0.6	0.7	0.5	0.3	0.7	0.7	0.7	
40.	*	0.7	0.6	0.8	0.4	0.3	0.6	0.5	0.5	
50.	*	0.8	0.7	0.7	0.4	0.3	0.6	0.5	0.5	
60.	*	0.9	0.8	0.6	0.4	0.2	0.7	0.5	0.5	
70.	*	1.2	1.0	0.6	0.5	0.3	0.6	0.7	0.8	
80.	*	1.7	1.0	0.6	0.7	0.2	1.4	1.4	1.1	
90.	*	1.0	0.3	0.9	1.0	0.3	1.6	0.9	0.4	
100.	*	0.1	0.0	1.4	1.4	0.9	0.8	0.1	0.0	
110.	*	0.0	0.0	1.5	1.5	1.2	0.2	0.0	0.0	
120.	*	0.0	0.0	1.4	1.3	1.1	0.1	0.0	0.0	
130.	*	0.0	0.0	1.1	1.2	1.0	0.0	0.0	0.0	
140.	*	0.0	0.0	0.9	1.0	0.8	0.0	0.0	0.0	
150.	*	0.0	0.0	0.7	0.7	0.7	0.0	0.0	0.0	
160.	*	0.0	0.0	0.5	0.6	0.5	0.0	0.1	0.2	
170.	*	0.0	0.0	0.6	0.8	0.7	0.2	0.2	0.2	
180.	*	0.2	0.1	0.5	0.7	0.6	0.1	0.0	0.0	
190.	*	0.2	0.2	0.5	0.6	0.5	0.0	0.0	0.0	
200.	*	0.0	0.0	0.5	0.6	0.5	0.0	0.0	0.0	
210.	*	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	
220.	*	0.0	0.0	0.6	0.7	0.6	0.0	0.0	0.0	
230.	*	0.0	0.0	0.7	0.8	0.7	0.0	0.0	0.0	
240.	*	0.0	0.0	0.8	0.9	0.8	0.0	0.0	0.0	
250.	*	0.0	0.0	1.0	1.3	1.2	0.0	0.0	0.0	
260.	*	0.1	0.0	1.5	1.7	1.2	0.0	0.0	0.0	
270.	*	0.4	0.2	1.8	1.4	0.4	0.4	0.2	0.1	
280.	*	1.2	0.6	1.1	0.6	0.0	1.0	0.6	0.4	
290.	*	1.3	0.9	0.6	0.2	0.0	0.9	0.7	0.6	
300.	*	1.2	0.9	0.4	0.1	0.0	0.8	0.7	0.6	
310.	*	1.1	0.9	0.2	0.1	0.0	0.7	0.6	0.5	
320.	*	1.1	0.9	0.2	0.1	0.0	0.6	0.5	0.5	
330.	*	1.1	0.9	0.3	0.1	0.0	0.5	0.5	0.5	
340.	*	1.1	1.0	0.3	0.1	0.0	0.5	0.5	0.4	
350.	*	1.5	1.2	0.3	0.1	0.0	0.5	0.4	0.4	
360.	*	1.1	0.7	0.4	0.1	0.0	0.6	0.6	0.4	
MAX	*	1.7	1.2	1.8	1.7	1.2	1.6	1.4	1.1	
DEGR.	*	80	350	270	260	110	90	80	80	

THE HIGHEST CONCENTRATION OF 2.00 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013centralA_RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:22:57

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-129.6	*	23.	360. AG	374.	100.0	0.0	14.6	0.89	3.8
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	443.	7.6	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	81.0	*	71.	180. AG	374.	100.0	0.0	14.6	1.05	11.9
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1021.	7.6	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2312.	7.6	0.0	20.7		
6. Link_12	*	152.4	7.6	139.3	7.6	*	13.	270. AG	142.	100.0	0.0	18.3	0.67	2.2
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2890.	7.6	0.0	20.7		
8. Link_4	*	-152.4	-7.6	-141.6	-7.6	*	11.	90. AG	142.	100.0	0.0	18.3	0.55	1.8

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)		
1. Link_2	*	60	46	2.0	715	1200	45.50	1	3
3. Link_5	*	60	46	2.0	846	1200	45.50	1	3
6. Link_12	*	60	14	2.0	2800	1200	45.50	1	3
8. Link_4	*	60	14	2.0	2305	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.2	0.0	0.7	1.0
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.9	0.5	0.2	0.0	1.0	1.0	0.8	0.7	0.0	0.0	0.2	0.5
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.9	1.0	0.8	0.5	0.6	0.7	0.7	0.7	0.0	0.0	0.1	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.7	0.9	0.8	0.6	0.5	0.4	0.4	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.1	0.2	0.5	0.8	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.6
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.6
60.	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.5	0.1	0.1	0.1	0.2	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.7
70.	0.0	0.0	0.0	0.0	0.7	0.7	0.4	0.2	0.1	0.1	0.0	0.0	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.9
80.	0.0	0.0	0.0	0.0	0.5	0.4	0.1	0.0	0.1	0.1	0.1	0.0	0.9	0.6	0.5	0.4	0.0	0.0	0.0	1.4
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.4	0.2	0.1	0.1	0.1	0.0	0.2	1.6
100.	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.4	0.2	0.7	1.0
110.	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.6	0.5	0.8	0.5
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.6	0.6	0.5	0.2	0.2	0.1	0.1	0.5	0.5	0.6	0.4
130.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.6	0.2	0.2	0.2	0.2	0.5	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.6	0.2	0.2	0.2	0.3	0.4	0.4	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.6	0.2	0.3	0.4	0.5	0.4	0.4	0.6	0.3
160.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.7	0.7	0.5	0.4	0.4	0.2	0.4	0.4	0.5	0.3
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.7	0.7	0.6	0.3	0.1	0.0	0.0	0.4	0.3	0.5	0.3
180.	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.6	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.8	0.5
190.	0.5	0.5	0.5	0.4	0.3	0.3	0.1	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.7	0.6	0.9	0.6
200.	0.5	0.5	0.5	0.4	0.3	0.2	0.4	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.8	0.5	0.8	0.5
210.	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.3	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.5
220.	0.5	0.5	0.3	0.3	0.2	0.2	0.1	0.1	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5
230.	0.4	0.4	0.4	0.4	0.2	0.2	0.1	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.5
240.	0.6	0.6	0.6	0.6	0.1	0.1	0.1	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.5	0.6	0.6	0.5
250.	0.9	0.8	0.8	0.7	0.1	0.1	0.1	0.1	0.8	0.7	0.5	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.8	0.5
260.	1.0	0.7	0.6	0.4	0.1	0.1	0.1	0.1	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.5	1.3	1.4	0.5
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.6	1.8	0.8
280.	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	1.0	1.5
290.	0.1	0.1	0.1	0.1	0.8	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.5	0.3	0.2	0.1	0.1	0.1	0.5	1.5
300.	0.1	0.1	0.2	0.3	0.8	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.1	0.1	0.2	1.3
310.	0.1	0.2	0.4	0.6	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.1	0.1	1.1
320.	0.3	0.6	0.8	0.8	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.1	0.1	0.1	1.0
330.	0.8	0.8	0.8	0.6	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.5	0.2	0.8
340.	0.9	0.6	0.4	0.1	0.9	0.9	0.8	0.8	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.8	0.9	0.5	0.8
350.	0.3	0.1	0.0	0.0	0.9	0.9	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.9	0.5	1.2	1.3
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.2	0.0	0.7	1.0
MAX	1.0	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.9	1.0	0.9	0.8	1.0	1.0	0.8	0.7	1.5	1.3	1.8	1.6
DEGR.	260	250	250	320	310	340	340	340	20	20	30	30	10	10	10	10	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.7	0.7	1.2	0.7	0.4	1.4	1.1	0.8
10.	*		0.5	0.4	0.8	0.9	1.0	1.1	1.1	1.1
20.	*		0.5	0.5	0.4	0.2	0.5	0.9	0.8	0.6
30.	*		0.6	0.5	0.4	0.2	0.1	0.7	0.7	0.6
40.	*		0.6	0.5	0.5	0.2	0.1	0.7	0.7	0.6
50.	*		0.7	0.6	0.5	0.2	0.1	0.6	0.7	0.5
60.	*		0.8	0.7	0.5	0.2	0.1	0.5	0.5	0.6
70.	*		1.1	0.9	0.5	0.2	0.1	0.8	0.8	0.9
80.	*		1.4	0.9	0.5	0.3	0.1	1.3	1.3	1.1
90.	*		1.1	0.3	0.7	0.7	0.1	1.6	1.1	0.6
100.	*		0.3	0.0	1.3	1.2	0.6	0.9	0.3	0.2
110.	*		0.1	0.0	1.4	1.3	1.0	0.5	0.2	0.2
120.	*		0.1	0.0	1.2	1.2	1.0	0.3	0.2	0.2
130.	*		0.1	0.0	1.1	1.1	1.0	0.3	0.3	0.2
140.	*		0.1	0.0	1.0	1.1	0.9	0.3	0.3	0.2
150.	*		0.1	0.0	0.8	1.0	0.9	0.4	0.4	0.3
160.	*		0.0	0.0	0.8	1.0	0.9	0.5	0.6	0.5
170.	*		0.0	0.0	1.2	1.4	1.2	1.0	0.8	0.5
180.	*		0.2	0.1	1.3	1.1	0.7	1.0	0.3	0.1
190.	*		0.4	0.3	0.8	0.7	0.6	0.5	0.0	0.0
200.	*		0.3	0.2	0.6	0.7	0.6	0.2	0.0	0.0
210.	*		0.3	0.2	0.6	0.7	0.6	0.1	0.0	0.0
220.	*		0.3	0.2	0.7	0.8	0.7	0.1	0.0	0.0
230.	*		0.3	0.2	0.7	0.9	0.8	0.1	0.0	0.0
240.	*		0.3	0.1	0.9	1.0	0.9	0.1	0.0	0.0
250.	*		0.3	0.1	1.1	1.3	1.1	0.1	0.0	0.0
260.	*		0.4	0.1	1.7	1.8	1.1	0.1	0.0	0.0
270.	*		0.7	0.2	2.0	1.4	0.4	0.3	0.1	0.0
280.	*		1.3	0.7	1.3	0.4	0.0	1.0	0.5	0.3
290.	*		1.5	1.0	0.7	0.1	0.0	1.0	0.8	0.6
300.	*		1.3	1.0	0.4	0.1	0.0	0.9	0.7	0.6
310.	*		1.2	1.0	0.2	0.1	0.0	0.8	0.6	0.5
320.	*		0.9	0.8	0.3	0.1	0.0	0.7	0.5	0.5
330.	*		0.9	0.7	0.3	0.1	0.0	0.7	0.5	0.5
340.	*		0.8	0.9	0.3	0.0	0.0	0.7	0.5	0.5
350.	*		1.4	1.2	0.5	0.1	0.0	0.8	0.5	0.4
360.	*		0.7	0.7	1.2	0.7	0.4	1.4	1.1	0.8
MAX	*		1.5	1.2	2.0	1.8	1.2	1.6	1.3	1.1
DEGR.	*		290	350	270	260	170	90	80	10

THE HIGHEST CONCENTRATION OF 2.00 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013centralA - W. Flamingo and Hotel Rio Dr- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:23:15

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-135.2	*	17.	360. AG	358.	100.0	0.0	14.6	0.78	2.9
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	476.	7.6	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	-84.8	*	237.	180. AG	358.	100.0	0.0	14.6	1.26	39.5
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1174.	7.6	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2446.	7.6	0.0	20.7		
6. Link_12	*	152.4	7.6	136.8	7.6	*	16.	270. AG	163.	100.0	0.0	18.3	0.73	2.6
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	3115.	7.6	0.0	20.7		
8. Link_4	*	-152.4	-7.6	-140.0	-7.6	*	12.	90. AG	163.	100.0	0.0	18.3	0.58	2.1

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)		
1. Link_2	*	60	44	2.0	748	1200	45.50	1	3
3. Link_5	*	60	44	2.0	1208	1200	45.50	1	3
6. Link_12	*	60	16	2.0	2933	1200	45.50	1	3
8. Link_4	*	60	16	2.0	2322	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.7	0.5	0.5	0.3	0.2	0.0	0.7	1.1
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.9	0.5	0.2	0.0	1.8	1.4	1.1	0.8	0.0	0.0	0.2	0.5
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	1.4	1.0	0.8	0.5	1.9	1.7	1.6	1.4	0.0	0.0	0.1	0.5
30.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	1.2	1.1	1.0	0.8	1.7	1.5	1.4	1.2	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	1.1	1.0	0.9	0.8	1.5	1.3	1.2	1.1	0.0	0.0	0.0	0.6
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.9	0.9	0.8	0.8	1.3	1.3	1.2	1.1	0.0	0.0	0.0	0.6
60.	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	1.0	0.8	0.7	0.7	1.5	1.3	1.2	1.1	0.0	0.0	0.0	0.8
70.	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.3	0.9	0.9	0.8	0.6	1.7	1.6	1.5	1.2	0.0	0.0	0.0	1.0
80.	0.0	0.0	0.0	0.0	0.5	0.4	0.1	0.0	0.9	0.8	0.7	0.7	1.7	1.4	1.2	1.0	0.0	0.0	0.0	1.5
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.8	0.7	0.7	1.2	1.0	0.8	0.7	0.2	0.0	0.3	1.7
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.0	0.8	0.8	1.0	0.9	0.8	0.7	0.5	0.3	0.8	1.1
110.	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	1.5	1.4	1.2	1.0	1.0	0.9	0.9	0.7	0.7	0.5	0.8	0.6
120.	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.8	1.4	1.2	1.2	1.1	0.9	0.8	0.8	0.6	0.5	0.7	0.4
130.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.7	1.5	1.3	1.3	1.0	0.9	0.9	0.7	0.5	0.5	0.6	0.2
140.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.9	1.7	1.6	1.3	1.2	1.0	0.7	0.5	0.5	0.4	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.0	1.7	1.6	1.4	1.3	0.9	0.4	0.4	0.5	0.4	0.6	0.3
160.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.1	1.9	1.8	1.4	1.1	0.6	0.3	0.2	0.4	0.4	0.6	0.3
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.7	1.3	1.0	0.8	0.4	0.1	0.0	0.0	0.4	0.4	0.5	0.3
180.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.9	0.7
190.	0.6	0.6	0.5	0.4	0.2	0.2	0.1	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.3	0.9	1.8	1.2
200.	1.2	1.0	0.9	0.8	0.3	0.3	0.3	0.2	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.9	1.6	2.3	1.8
210.	1.4	1.3	1.2	1.1	0.5	0.3	0.2	0.2	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.8	1.5	1.9	1.7
220.	1.3	1.3	1.1	1.0	0.8	0.7	0.3	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.5	1.4	1.6	1.7
230.	1.1	1.2	1.1	1.0	0.9	0.9	0.5	0.2	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	1.4	1.2	1.6	1.4
240.	1.2	1.2	1.2	1.2	0.8	0.8	0.6	0.5	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	1.5	1.3	1.6	1.4
250.	1.5	1.5	1.3	1.2	0.7	0.7	0.6	0.6	1.0	0.8	0.5	0.3	0.0	0.0	0.0	0.0	1.8	1.7	1.7	1.4
260.	1.6	1.4	1.1	1.0	0.8	0.7	0.6	0.6	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	2.3	2.1	2.3	1.3
270.	0.9	0.8	0.7	0.6	0.8	0.7	0.6	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.3	2.7	1.7
280.	0.7	0.7	0.6	0.6	1.2	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	1.0	0.8	1.9	2.5
290.	0.7	0.7	0.6	0.6	1.6	1.3	1.1	1.1	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.2	0.9	0.8	1.4	2.5
300.	0.7	0.7	0.7	0.7	1.5	1.5	1.3	1.3	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.9	0.8	1.1	2.3
310.	0.8	0.8	0.7	0.7	1.7	1.5	1.3	1.3	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.9	0.8	1.0	2.1
320.	0.9	0.8	0.8	0.7	1.6	1.3	1.3	1.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	1.0	0.9	1.2	2.1
330.	1.0	0.9	0.7	0.6	1.6	1.4	1.2	1.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	1.3	1.0	1.4	2.0
340.	0.8	0.6	0.4	0.1	1.5	1.4	1.3	1.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	1.4	1.2	1.7	2.1
350.	0.3	0.1	0.0	0.0	1.0	0.9	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	1.1	0.6	1.8	2.2
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.7	0.5	0.5	0.3	0.2	0.0	0.7	1.1
MAX	1.6	1.5	1.3	1.2	1.7	1.5	1.3	1.3	2.1	1.9	1.8	1.4	1.9	1.7	1.6	1.4	2.3	2.1	2.7	2.5
DEGR.	260	250	250	240	310	300	300	300	160	160	160	150	20	20	20	20	260	260	270	280

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.0	0.7	4.2	1.4	0.4	5.0	2.2	1.2	
10.	*	0.6	0.5	3.7	2.9	1.6	4.4	3.6	2.5	
20.	*	0.6	0.5	2.6	2.3	1.7	3.1	3.0	2.2	
30.	*	0.6	0.5	2.1	1.9	1.4	2.4	2.5	1.9	
40.	*	0.7	0.6	1.8	1.6	1.2	2.0	2.1	1.7	
50.	*	0.8	0.6	1.6	1.5	1.2	1.8	2.0	1.7	
60.	*	0.9	0.8	1.5	1.3	1.1	1.7	1.8	1.6	
70.	*	1.1	0.9	1.5	1.3	1.0	1.9	2.1	1.8	
80.	*	1.6	1.0	1.5	1.5	1.0	2.3	2.6	2.1	
90.	*	1.2	0.3	1.8	1.8	1.0	2.5	2.3	1.5	
100.	*	0.3	0.0	2.4	2.4	1.5	2.0	1.6	1.1	
110.	*	0.1	0.0	2.4	2.5	1.9	1.6	1.4	1.1	
120.	*	0.1	0.0	2.3	2.5	2.1	1.4	1.4	1.3	
130.	*	0.1	0.0	2.2	2.5	2.1	1.4	1.6	1.4	
140.	*	0.1	0.0	2.4	2.5	2.1	1.6	1.8	1.4	
150.	*	0.1	0.0	2.6	2.8	2.2	2.2	2.1	1.6	
160.	*	0.0	0.0	3.1	3.3	2.6	2.8	2.7	1.8	
170.	*	0.0	0.0	4.3	4.0	2.6	4.0	3.0	1.2	
180.	*	0.1	0.1	4.8	2.2	1.1	4.2	1.1	0.2	
190.	*	0.4	0.3	2.9	0.8	0.6	2.5	0.1	0.0	
200.	*	1.0	0.4	1.7	0.7	0.6	1.2	0.0	0.0	
210.	*	1.4	0.9	1.2	0.8	0.7	0.7	0.0	0.0	
220.	*	1.2	1.0	1.2	0.8	0.7	0.5	0.0	0.0	
230.	*	1.1	0.9	1.2	1.0	0.8	0.5	0.0	0.0	
240.	*	1.1	0.9	1.3	1.1	1.0	0.4	0.0	0.0	
250.	*	1.1	0.9	1.5	1.4	1.2	0.4	0.0	0.0	
260.	*	1.1	0.9	2.2	2.0	1.2	0.5	0.0	0.0	
270.	*	1.4	1.0	2.5	1.5	0.4	0.8	0.1	0.0	
280.	*	2.1	1.5	1.8	0.4	0.0	1.5	0.6	0.4	
290.	*	2.4	1.9	1.0	0.2	0.0	1.4	0.8	0.7	
300.	*	2.1	1.8	0.8	0.1	0.0	1.3	0.7	0.6	
310.	*	2.0	1.8	0.7	0.1	0.0	1.2	0.6	0.6	
320.	*	1.9	1.6	0.7	0.1	0.0	1.2	0.6	0.5	
330.	*	2.0	1.6	1.0	0.1	0.0	1.3	0.6	0.5	
340.	*	2.0	1.7	1.4	0.1	0.0	1.8	0.5	0.5	
350.	*	1.9	1.5	2.4	0.1	0.0	3.0	0.7	0.5	
360.	*	1.0	0.7	4.2	1.4	0.4	5.0	2.2	1.2	
MAX	*	2.4	1.9	4.8	4.0	2.6	5.0	3.6	2.5	
DEGR.	*	290	290	180	170	160	0	10	10	

THE HIGHEST CONCENTRATION OF 5.00 PPM OCCURRED AT RECEPTOR REC26.

Central Station “A” Alternative- No Project Output-2030

JOB: 2030centralA- W. Twain and S. Valley View- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 20: 9:48

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-135.2	* 17.	360. AG	110.	100.0	0.0	11.0	0.68	2.9
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1378.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	135.5	* 17.	180. AG	110.	100.0	0.0	11.0	0.67	2.8
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1303.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	728.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	74.8	7.6	* 78.	270. AG	176.	100.0	0.0	11.0	1.02	12.9
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	1111.	6.1	0.0	13.4		
8. Link_4	* -152.4	-7.6	-141.8	-7.6	* 11.	90. AG	176.	100.0	0.0	11.0	0.45	1.8

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
1. Link_2	* 60	23	2.0	1350	1200	35.50	1	3
3. Link_5	* 60	23	2.0	1323	1200	35.50	1	3
6. Link_12	* 60	37	2.0	1166	1200	35.50	1	3
8. Link_4	* 60	37	2.0	518	1200	35.50	1	3

RECEPTOR LOCATIONS

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RECEPTOR          *          COORDINATES (M)          *
                    *          X          Y          Z          *
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1. Rcpt_1           *          29.0          29.0          1.8          *
2. Rcpt_2           *          35.1          35.1          1.8          *
3. Rcpt_3           *          41.1          41.1          1.8          *
4. Rcpt_4           *          47.2          47.2          1.8          *
5. Rcpt_5           *          29.0          -29.0          1.8          *
6. Rcpt_6           *          32.0          -32.0          1.8          *
7. Rcpt_7           *          41.1          -41.1          1.8          *
8. Rcpt_8           *          47.2          -47.2          1.8          *
9. Rcpt_9           *          -29.0          29.0          1.8          *
10. Rcpt_10          *          -35.1          35.1          1.8          *
11. Rcpt_11          *          -41.1          41.1          1.8          *
12. Rcpt_12          *          -47.2          47.2          1.8          *
13. Rcpt_13          *          -29.0          -29.0          1.8          *
14. Rcpt_14          *          -35.1          -35.1          1.8          *
15. Rcpt_15          *          -41.1          -41.1          1.8          *
16. Rcpt_16          *          -47.2          -47.2          1.8          *
17. Rcpt_17          *          16.8           16.8          1.8          *
18. Rcpt_18          *          22.9           22.9          1.8          *
19. Rcpt_19          *          10.7           10.7          1.8          *
20. Rcpt_20          *          10.7          -10.7          1.8          *
21. Rcpt_21          *          16.8          -16.8          1.8          *
22. Rcpt_22          *          22.9          -22.9          1.8          *
23. Rcpt_23          *          -10.7           10.7          1.8          *
24. Rcpt_24          *          -16.8           16.8          1.8          *
25. Rcpt_25          *          -22.9           22.9          1.8          *
26. Rcpt_26          *          -10.7          -10.7          1.8          *
27. Rcpt_27          *          -16.8          -16.8          1.8          *
28. Rcpt_28          *          -22.9          -22.9          1.8          *

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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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	1.0	0.9
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.5	0.4
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.2	0.2
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.1
40.	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.1
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.4	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.1	0.2
60.	0.0	0.0	0.0	0.0	0.4	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.3	0.0	0.0	0.1	0.2
70.	0.0	0.0	0.0	0.0	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.6	0.5	0.4	0.4	0.0	0.0	0.1	0.5
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.5	0.3	0.3	0.0	0.0	0.2	0.9
90.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.2	0.6	0.6
100.	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.6	0.7	0.5	0.3
110.	0.5	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.4	0.2	0.2	0.1	0.1	0.2	0.3	0.3	0.1
120.	0.2	0.4	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1
130.	0.1	0.2	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.0
140.	0.1	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1
150.	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.1	0.1	0.2	0.0
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.4	0.3	0.2	0.1	0.1	0.1	0.3	0.0
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.3	0.0
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.1
190.	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.3
200.	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.3	0.7	0.3
210.	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.3
220.	0.4	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.2
230.	0.4	0.4	0.4	0.4	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.2
240.	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3
250.	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3
260.	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.5	0.7	0.3
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.8	0.4
280.	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.2	0.4	0.6
290.	0.2	0.2	0.2	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.6
300.	0.2	0.2	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.3	0.2	0.3	0.5
310.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.4
320.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3
330.	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.3
340.	0.3	0.3	0.2	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.5	0.4
350.	0.2	0.1	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.4	0.8	0.7
360.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	1.0	0.9
MAX	0.5	0.6	0.5	0.5	0.6	0.5	0.4	0.4	0.5	0.4	0.3	0.4	0.6	0.5	0.4	0.4	0.7	0.7	1.0	0.9
DEGR.	110	110	120	120	70	60	50	50	100	100	100	110	70	70	70	70	260	100	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.4	0.2	0.2	0.0	0.0	0.5	0.1	0.1
10.	*		0.1	0.1	0.4	0.2	0.1	0.7	0.4	0.3
20.	*		0.1	0.1	0.4	0.3	0.2	0.7	0.6	0.4
30.	*		0.1	0.1	0.4	0.2	0.2	0.7	0.5	0.4
40.	*		0.2	0.1	0.3	0.2	0.2	0.5	0.5	0.5
50.	*		0.2	0.1	0.3	0.2	0.2	0.4	0.4	0.3
60.	*		0.3	0.4	0.3	0.2	0.2	0.4	0.5	0.3
70.	*		0.7	0.6	0.4	0.2	0.2	0.4	0.5	0.6
80.	*		0.7	0.4	0.5	0.2	0.2	0.9	0.8	0.7
90.	*		0.2	0.1	0.8	0.5	0.4	0.7	0.5	0.3
100.	*		0.0	0.0	0.8	0.6	0.6	0.3	0.2	0.2
110.	*		0.0	0.0	0.6	0.5	0.3	0.2	0.2	0.2
120.	*		0.0	0.0	0.4	0.4	0.3	0.2	0.3	0.2
130.	*		0.0	0.0	0.3	0.4	0.4	0.3	0.3	0.2
140.	*		0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3
150.	*		0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.3
160.	*		0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.4
170.	*		0.0	0.0	0.8	0.7	0.6	0.8	0.6	0.3
180.	*		0.0	0.0	0.9	0.5	0.3	0.9	0.3	0.1
190.	*		0.2	0.1	0.5	0.2	0.2	0.5	0.0	0.0
200.	*		0.3	0.2	0.3	0.2	0.2	0.2	0.0	0.0
210.	*		0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
220.	*		0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
230.	*		0.2	0.2	0.3	0.3	0.2	0.1	0.0	0.0
240.	*		0.2	0.1	0.4	0.3	0.2	0.1	0.0	0.0
250.	*		0.2	0.2	0.4	0.4	0.3	0.1	0.0	0.0
260.	*		0.2	0.1	0.7	0.5	0.3	0.1	0.0	0.0
270.	*		0.2	0.1	0.8	0.2	0.1	0.2	0.0	0.0
280.	*		0.4	0.2	0.4	0.0	0.0	0.4	0.2	0.1
290.	*		0.5	0.4	0.2	0.0	0.0	0.4	0.2	0.2
300.	*		0.4	0.4	0.1	0.0	0.0	0.3	0.2	0.2
310.	*		0.5	0.3	0.1	0.0	0.0	0.3	0.2	0.2
320.	*		0.4	0.3	0.1	0.0	0.0	0.3	0.1	0.1
330.	*		0.3	0.3	0.1	0.0	0.0	0.3	0.1	0.1
340.	*		0.4	0.4	0.1	0.0	0.0	0.4	0.1	0.1
350.	*		0.7	0.5	0.1	0.0	0.0	0.4	0.1	0.1
360.	*		0.4	0.2	0.2	0.0	0.0	0.5	0.1	0.1
MAX	*		0.7	0.6	0.9	0.7	0.6	0.9	0.8	0.7
DEGR.	*		70	70	180	170	100	80	80	80

THE HIGHEST CONCENTRATION OF 1.00 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030centralA- W. Twain and Dean Martin/ Industrial Dr

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 20:11:37

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-142.6	* 10.	360. AG	114.	100.0	0.0	14.6	0.43	1.6
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	966.	6.1	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	104.7	* 48.	180. AG	86.	100.0	0.0	11.0	0.96	8.0
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1348.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	1560.	6.1	0.0	13.4		
6. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	180.	6.1	0.0	13.4		
7. Link_4	* -152.4	-7.6	-142.7	-7.6	* 10.	90. AG	267.	100.0	0.0	14.6	0.49	1.6

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
1. Link_2	* 60	18	2.0	1310	1200	35.50	1	3
3. Link_5	* 60	18	2.0	2189	1200	35.50	1	3
7. Link_4	* 60	42	2.0	555	1200	35.50	1	3

RECEPTOR LOCATIONS

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RECEPTOR          *      COORDINATES (M)      *
                    *      X          Y          Z          *
-----*-----*-----*-----*-----*
1. Rcpt_1           *      29.0         29.0         1.8         *
2. Rcpt_2           *      35.1         35.1         1.8         *
3. Rcpt_3           *      41.1         41.1         1.8         *
4. Rcpt_4           *      47.2         47.2         1.8         *
5. Rcpt_5           *      29.0        -29.0         1.8         *
6. Rcpt_6           *      32.0        -32.0         1.8         *
7. Rcpt_7           *      41.1        -41.1         1.8         *
8. Rcpt_8           *      47.2        -47.2         1.8         *
9. Rcpt_9           *     -29.0         29.0         1.8         *
10. Rcpt_10          *     -35.1         35.1         1.8         *
11. Rcpt_11          *     -41.1         41.1         1.8         *
12. Rcpt_12          *     -47.2         47.2         1.8         *
13. Rcpt_13          *     -29.0        -29.0         1.8         *
14. Rcpt_14          *     -35.1        -35.1         1.8         *
15. Rcpt_15          *     -41.1        -41.1         1.8         *
16. Rcpt_16          *     -47.2        -47.2         1.8         *
17. Rcpt_17          *      16.8         16.8         1.8         *
18. Rcpt_18          *      22.9         22.9         1.8         *
19. Rcpt_19          *      10.7         10.7         1.8         *
20. Rcpt_20          *      10.7        -10.7         1.8         *
21. Rcpt_21          *      16.8        -16.8         1.8         *
22. Rcpt_22          *      22.9        -22.9         1.8         *
23. Rcpt_23          *     -10.7         10.7         1.8         *
24. Rcpt_24          *     -16.8         16.8         1.8         *
25. Rcpt_25          *     -22.9         22.9         1.8         *
26. Rcpt_26          *     -10.7        -10.7         1.8         *
27. Rcpt_27          *     -16.8        -16.8         1.8         *
28. Rcpt_28          *     -22.9        -22.9         1.8         *

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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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.6	0.8
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.3	0.5
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.2	0.4
30.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.3
40.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.3
50.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.2	0.0	0.0	0.1	0.4
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.5
70.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.3	0.0	0.0	0.1	0.6
80.	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.5	0.3	0.2	0.0	0.0	0.1	0.9
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.2	1.1
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.5	0.6
110.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.5	0.3
120.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.2	0.4	0.1
130.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.1
140.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.1
150.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.1
160.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.3	0.1
170.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.2	0.1	0.0	0.0	0.2	0.2	0.3	0.1
180.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.4	0.2
190.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.4
200.	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.4
210.	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.4
220.	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.3
230.	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.3
240.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.4
250.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.4
260.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.5
270.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.6
280.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.1	0.2	0.5
290.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.5
300.	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
310.	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
320.	0.2	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
330.	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.4
340.	0.3	0.3	0.2	0.1	0.4	0.4	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.5
350.	0.2	0.1	0.0	0.0	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.6	0.8
360.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.6	0.8
MAX	0.4	0.4	0.3	0.3	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.6	0.5	0.4	0.3	0.6	0.5	0.7	1.1
DEGR.	200	200	200	200	350	350	340	340	110	110	110	110	80	70	50	60	200	210	200	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.3	0.2	0.1	0.1	0.4	0.1	0.1	
10.	*	0.3	0.2	0.2	0.2	0.2	0.5	0.4	0.2	
20.	*	0.3	0.2	0.2	0.2	0.2	0.5	0.4	0.2	
30.	*	0.3	0.3	0.2	0.2	0.2	0.5	0.4	0.3	
40.	*	0.3	0.3	0.2	0.2	0.1	0.5	0.4	0.3	
50.	*	0.4	0.3	0.2	0.1	0.1	0.5	0.5	0.4	
60.	*	0.5	0.3	0.2	0.1	0.1	0.4	0.5	0.4	
70.	*	0.6	0.4	0.1	0.1	0.1	0.5	0.6	0.6	
80.	*	0.7	0.4	0.1	0.1	0.1	0.9	0.8	0.7	
90.	*	0.3	0.1	0.2	0.1	0.1	1.1	0.7	0.4	
100.	*	0.0	0.0	0.5	0.4	0.3	0.5	0.2	0.2	
110.	*	0.0	0.0	0.5	0.4	0.4	0.3	0.2	0.2	
120.	*	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2	
130.	*	0.0	0.0	0.3	0.2	0.2	0.3	0.3	0.2	
140.	*	0.0	0.0	0.3	0.2	0.2	0.3	0.3	0.3	
150.	*	0.0	0.0	0.2	0.3	0.2	0.4	0.4	0.3	
160.	*	0.0	0.0	0.3	0.3	0.3	0.5	0.5	0.4	
170.	*	0.0	0.0	0.6	0.6	0.4	0.8	0.6	0.4	
180.	*	0.0	0.0	0.7	0.3	0.1	0.9	0.3	0.1	
190.	*	0.2	0.1	0.3	0.0	0.0	0.5	0.0	0.0	
200.	*	0.3	0.2	0.1	0.0	0.0	0.2	0.0	0.0	
210.	*	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
220.	*	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
230.	*	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
240.	*	0.2	0.2	0.1	0.1	0.0	0.1	0.0	0.0	
250.	*	0.2	0.2	0.1	0.1	0.0	0.1	0.0	0.0	
260.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
270.	*	0.2	0.2	0.1	0.0	0.0	0.2	0.1	0.0	
280.	*	0.3	0.2	0.1	0.0	0.0	0.1	0.0	0.1	
290.	*	0.4	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
300.	*	0.4	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
310.	*	0.4	0.3	0.0	0.0	0.0	0.1	0.0	0.0	
320.	*	0.3	0.4	0.0	0.0	0.0	0.1	0.0	0.0	
330.	*	0.4	0.4	0.0	0.0	0.0	0.1	0.0	0.0	
340.	*	0.5	0.4	0.0	0.0	0.0	0.2	0.0	0.0	
350.	*	0.8	0.6	0.0	0.0	0.0	0.2	0.0	0.0	
360.	*	0.6	0.3	0.2	0.1	0.1	0.4	0.1	0.1	
MAX	*	0.8	0.6	0.7	0.6	0.4	1.1	0.8	0.7	
DEGR.	*	350	350	180	170	110	90	80	80	

THE HIGHEST CONCENTRATION OF 1.10 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2030centralA W. Twain and Dean Martin Dr/ Industrial- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 20:11:37

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-142.6	*	10.	360. AG	114.	100.0	0.0	14.6	0.43	1.6
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	966.	6.1	0.0	17.0		
3. Link_5	*	-7.6	152.4	-7.6	104.7	*	48.	180. AG	86.	100.0	0.0	11.0	0.96	8.0
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1348.	6.1	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	1560.	6.1	0.0	13.4		
6. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	180.	6.1	0.0	13.4		
7. Link_4	*	-152.4	-7.6	-142.7	-7.6	*	10.	90. AG	267.	100.0	0.0	14.6	0.49	1.6

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)		
1. Link_2	*	60	18	2.0	1310	1200	35.50	1	3
3. Link_5	*	60	18	2.0	2189	1200	35.50	1	3
7. Link_4	*	60	42	2.0	555	1200	35.50	1	3

RECEPTOR LOCATIONS

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*          COORDINATES (M)          *
*          X          Y          Z          *
-----*-----*-----*-----*
1. Rcpt_1      *          29.0          29.0          1.8          *
2. Rcpt_2      *          35.1          35.1          1.8          *
3. Rcpt_3      *          41.1          41.1          1.8          *
4. Rcpt_4      *          47.2          47.2          1.8          *
5. Rcpt_5      *          29.0          -29.0          1.8          *
6. Rcpt_6      *          32.0          -32.0          1.8          *
7. Rcpt_7      *          41.1          -41.1          1.8          *
8. Rcpt_8      *          47.2          -47.2          1.8          *
9. Rcpt_9      *          -29.0          29.0          1.8          *
10. Rcpt_10     *          -35.1          35.1          1.8          *
11. Rcpt_11     *          -41.1          41.1          1.8          *
12. Rcpt_12     *          -47.2          47.2          1.8          *
13. Rcpt_13     *          -29.0          -29.0          1.8          *
14. Rcpt_14     *          -35.1          -35.1          1.8          *
15. Rcpt_15     *          -41.1          -41.1          1.8          *
16. Rcpt_16     *          -47.2          -47.2          1.8          *
17. Rcpt_17     *           16.8           16.8          1.8          *
18. Rcpt_18     *           22.9           22.9          1.8          *
19. Rcpt_19     *           10.7           10.7          1.8          *
20. Rcpt_20     *           10.7          -10.7          1.8          *
21. Rcpt_21     *           16.8          -16.8          1.8          *
22. Rcpt_22     *           22.9          -22.9          1.8          *
23. Rcpt_23     *          -10.7           10.7          1.8          *
24. Rcpt_24     *          -16.8           16.8          1.8          *
25. Rcpt_25     *          -22.9           22.9          1.8          *
26. Rcpt_26     *          -10.7          -10.7          1.8          *
27. Rcpt_27     *          -16.8          -16.8          1.8          *
28. Rcpt_28     *          -22.9          -22.9          1.8          *

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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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.6	0.8
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.3	0.5
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.2	0.4
30.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.3
40.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.3
50.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.2	0.0	0.0	0.1	0.4
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.5
70.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.3	0.0	0.0	0.1	0.6
80.	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.5	0.3	0.2	0.0	0.0	0.1	0.9
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.2	1.1
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.5	0.6
110.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.5
120.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.2	0.4
130.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
140.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
150.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3
160.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.3
170.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.2	0.1	0.0	0.0	0.2	0.2	0.3	0.1
180.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.4	0.2
190.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.4
200.	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.4
210.	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.4
220.	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.3
230.	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.3
240.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.4
250.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.4
260.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.5
270.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.6
280.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.1	0.2	0.5
290.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.5
300.	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
310.	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3
320.	0.2	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4
330.	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.4
340.	0.3	0.3	0.2	0.1	0.4	0.4	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.5
350.	0.2	0.1	0.0	0.0	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.6	0.8
360.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.6	0.8
MAX	0.4	0.4	0.3	0.3	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.6	0.5	0.4	0.3	0.6	0.5	0.7	1.1
DEGR.	200	200	200	200	350	350	340	340	110	110	110	110	80	70	50	60	200	210	200	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.3	0.2	0.1	0.1	0.4	0.1	0.1	
10.	*	0.3	0.2	0.2	0.2	0.2	0.5	0.4	0.2	
20.	*	0.3	0.2	0.2	0.2	0.2	0.5	0.4	0.2	
30.	*	0.3	0.3	0.2	0.2	0.2	0.5	0.4	0.3	
40.	*	0.3	0.3	0.2	0.2	0.1	0.5	0.4	0.3	
50.	*	0.4	0.3	0.2	0.1	0.1	0.5	0.5	0.4	
60.	*	0.5	0.3	0.2	0.1	0.1	0.4	0.5	0.4	
70.	*	0.6	0.4	0.1	0.1	0.1	0.5	0.6	0.6	
80.	*	0.7	0.4	0.1	0.1	0.1	0.9	0.8	0.7	
90.	*	0.3	0.1	0.2	0.1	0.1	1.1	0.7	0.4	
100.	*	0.0	0.0	0.5	0.4	0.3	0.5	0.2	0.2	
110.	*	0.0	0.0	0.5	0.4	0.4	0.3	0.2	0.2	
120.	*	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2	
130.	*	0.0	0.0	0.3	0.2	0.2	0.3	0.3	0.2	
140.	*	0.0	0.0	0.3	0.2	0.2	0.3	0.3	0.3	
150.	*	0.0	0.0	0.2	0.3	0.2	0.4	0.4	0.3	
160.	*	0.0	0.0	0.3	0.3	0.3	0.5	0.5	0.4	
170.	*	0.0	0.0	0.6	0.6	0.4	0.8	0.6	0.4	
180.	*	0.0	0.0	0.7	0.3	0.1	0.9	0.3	0.1	
190.	*	0.2	0.1	0.3	0.0	0.0	0.5	0.0	0.0	
200.	*	0.3	0.2	0.1	0.0	0.0	0.2	0.0	0.0	
210.	*	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
220.	*	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
230.	*	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
240.	*	0.2	0.2	0.1	0.1	0.0	0.1	0.0	0.0	
250.	*	0.2	0.2	0.1	0.1	0.0	0.1	0.0	0.0	
260.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
270.	*	0.2	0.2	0.1	0.0	0.0	0.2	0.1	0.0	
280.	*	0.3	0.2	0.1	0.0	0.0	0.1	0.0	0.1	
290.	*	0.4	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
300.	*	0.4	0.2	0.0	0.0	0.0	0.1	0.0	0.0	
310.	*	0.4	0.3	0.0	0.0	0.0	0.1	0.0	0.0	
320.	*	0.3	0.4	0.0	0.0	0.0	0.1	0.0	0.0	
330.	*	0.4	0.4	0.0	0.0	0.0	0.1	0.0	0.0	
340.	*	0.5	0.4	0.0	0.0	0.0	0.2	0.0	0.0	
350.	*	0.8	0.6	0.0	0.0	0.0	0.2	0.0	0.0	
360.	*	0.6	0.3	0.2	0.1	0.1	0.4	0.1	0.1	
MAX	*	0.8	0.6	0.7	0.6	0.4	1.1	0.8	0.7	
DEGR.	*	350	350	180	170	110	90	80	80	

THE HIGHEST CONCENTRATION OF 1.10 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2030centralA- Industrial and Fran Sinatra- No project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 20:13:41

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C QUEUE	
		X1	Y1	X2	Y2								(VEH)	(VEH)
1. Link_2	*	7.6	-152.4	7.6	-137.8	*	15.	360. AG	110.	100.0	0.0	11.0	0.58	2.4
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	1894.	6.1	0.0	17.0		
3. Link_5	*	-7.6	152.4	-7.6	137.9	*	15.	180. AG	183.	100.0	0.0	18.3	0.57	2.4
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	2482.	6.1	0.0	17.0		
5. Link_10	*	152.4	7.6	-738.0	7.6	*	890.	270. AG	176.	100.0	0.0	11.0	1.70	148.4
6. Link_4	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	609.	6.1	0.0	13.4		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. Link_5	*	60	23	2.0	1897	1200	35.50	1	3
5. Link_10	*	60	37	2.0	1941	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.6	0.2	1.3	1.5
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.0	0.8	0.9
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.3	0.2	0.1	0.6	0.6	0.5	0.4	0.0	0.0	0.5	0.6
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.7	0.7	0.6	0.5	0.0	0.0	0.3	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.8	0.7	0.7	0.7	0.0	0.0	0.3	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.2	0.2	0.2	0.9	0.7	0.7	0.7	0.0	0.0	0.3	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.9	0.8	0.8	0.7	0.0	0.0	0.4	0.8
70.	0.0	0.0	0.0	0.0	0.5	0.4	0.2	0.0	0.2	0.2	0.2	0.2	0.9	0.8	0.8	0.7	0.0	0.0	0.6	0.9
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.6	0.6	0.5	0.5	0.0	0.0	1.2	1.0
90.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.6	0.2	2.2	0.5
100.	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.9	0.7	0.5	0.4	0.3	0.3	0.3	0.3	1.3	0.7	2.1	0.2
110.	0.7	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.9	0.9	0.8	0.8	0.4	0.3	0.3	0.3	1.1	0.9	1.5	0.1
120.	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.8	0.8	0.7	0.7	0.4	0.3	0.3	0.3	0.9	0.7	1.1	0.1
130.	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.4	0.3	0.3	0.3	0.8	0.6	0.9	0.0
140.	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.7	0.6	0.9	0.0
150.	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.7	0.6	0.9	0.0
160.	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.7	0.6	0.5	0.3	0.2	0.6	0.6	0.8	0.0
170.	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.6	0.5	0.9	0.0
180.	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.8	0.5	1.1	0.1
190.	0.7	0.6	0.5	0.5	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	0.8	1.6	0.6
200.	0.9	0.8	0.7	0.7	0.3	0.3	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.4	1.2	1.5	0.6
210.	1.0	0.8	0.7	0.7	0.4	0.4	0.3	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.5	1.2	1.6	0.5
220.	0.9	0.9	0.9	0.6	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.4	1.1	1.4	0.5
230.	1.0	0.8	0.7	0.7	0.3	0.3	0.3	0.3	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.3	1.0	1.3	0.4
240.	0.8	0.8	0.6	0.6	0.3	0.3	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.3	1.0	1.4	0.5
250.	1.0	0.8	0.7	0.7	0.3	0.3	0.2	0.2	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	1.3	1.1	1.6	0.5
260.	1.2	1.0	0.9	0.8	0.3	0.3	0.2	0.2	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	1.8	1.4	2.3	0.5
270.	0.9	0.7	0.6	0.5	0.6	0.6	0.4	0.4	0.6	0.4	0.3	0.2	0.3	0.2	0.2	0.1	1.7	1.1	3.2	1.2
280.	0.3	0.2	0.2	0.2	1.0	0.9	0.8	0.7	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.5	0.4	0.3	1.4	1.5
290.	0.3	0.2	0.2	0.2	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.3	0.3	0.7	1.1
300.	0.3	0.2	0.2	0.2	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.4	0.3	0.5	0.9
310.	0.3	0.2	0.2	0.2	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.4	0.6	0.7
320.	0.3	0.3	0.3	0.2	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.4	0.6	0.6
330.	0.4	0.3	0.4	0.4	0.7	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.4	0.6	0.7
340.	0.5	0.4	0.4	0.2	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.7	0.5	0.8	0.9
350.	0.3	0.2	0.1	0.0	0.8	0.8	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	1.1	0.6	1.2	1.3
360.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.6	0.2	1.3	1.5
MAX	1.2	1.0	0.9	0.8	1.0	0.9	0.8	0.7	1.0	0.9	0.8	0.8	0.9	0.8	0.8	0.7	1.8	1.4	3.2	1.5
DEGR.	260	260	220	260	280	280	280	280	170	110	110	110	60	60	60	40	260	260	270	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.9	0.6	0.3	0.1	0.0	1.0	0.5	0.3
10.	*	0.5	0.4	0.6	0.3	0.2	1.3	1.0	0.5
20.	*	0.5	0.4	0.6	0.4	0.3	1.3	1.2	0.8
30.	*	0.5	0.4	0.5	0.3	0.3	1.3	1.1	0.9
40.	*	0.5	0.5	0.5	0.3	0.3	1.2	1.2	1.0
50.	*	0.5	0.5	0.5	0.3	0.2	1.1	1.1	0.9
60.	*	0.7	0.5	0.5	0.3	0.2	1.3	1.2	1.0
70.	*	0.8	0.7	0.7	0.3	0.2	1.2	1.2	1.0
80.	*	0.7	0.4	1.3	0.2	0.2	1.4	1.2	1.0
90.	*	0.1	0.0	2.5	0.9	0.5	0.9	0.8	0.5
100.	*	0.0	0.0	2.4	1.6	1.2	0.5	0.4	0.4
110.	*	0.0	0.0	1.6	1.3	1.1	0.4	0.5	0.4
120.	*	0.0	0.0	1.2	1.1	0.9	0.4	0.5	0.4
130.	*	0.0	0.0	0.9	0.9	0.7	0.5	0.5	0.5
140.	*	0.0	0.0	0.8	0.8	0.7	0.6	0.6	0.5
150.	*	0.0	0.0	0.9	0.9	0.8	0.7	0.7	0.6
160.	*	0.0	0.0	1.0	1.1	1.1	0.9	0.9	0.7
170.	*	0.0	0.0	1.5	1.5	1.2	1.3	1.3	0.7
180.	*	0.0	0.0	1.8	1.2	0.7	1.5	0.8	0.2
190.	*	0.4	0.2	1.1	0.6	0.4	0.9	0.1	0.0
200.	*	0.5	0.4	0.7	0.5	0.5	0.5	0.0	0.0
210.	*	0.5	0.4	0.6	0.6	0.5	0.3	0.0	0.0
220.	*	0.4	0.4	0.6	0.6	0.5	0.2	0.0	0.0
230.	*	0.3	0.3	0.7	0.7	0.5	0.2	0.0	0.0
240.	*	0.4	0.3	0.9	0.8	0.6	0.2	0.0	0.0
250.	*	0.3	0.3	1.2	1.0	0.8	0.2	0.0	0.0
260.	*	0.3	0.3	2.0	1.5	1.1	0.2	0.0	0.0
270.	*	0.8	0.7	2.9	1.3	0.8	0.9	0.5	0.4
280.	*	1.1	1.0	1.1	0.1	0.0	1.2	0.8	0.7
290.	*	1.0	0.8	0.4	0.0	0.0	0.9	0.6	0.5
300.	*	0.9	0.9	0.2	0.0	0.0	0.8	0.5	0.5
310.	*	0.6	0.6	0.2	0.0	0.0	0.7	0.4	0.4
320.	*	0.6	0.6	0.2	0.0	0.0	0.7	0.4	0.4
330.	*	0.7	0.7	0.1	0.0	0.0	0.7	0.4	0.3
340.	*	0.9	0.8	0.1	0.0	0.0	0.7	0.4	0.3
350.	*	1.3	1.0	0.1	0.0	0.0	0.7	0.3	0.3
360.	*	0.9	0.6	0.3	0.1	0.0	1.0	0.5	0.3
MAX	*	1.3	1.0	2.9	1.6	1.2	1.5	1.3	1.0
DEGR.	*	350	280	270	100	100	180	170	40

THE HIGHEST CONCENTRATION OF 3.20 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030centralA- W. Flamingo and I-15 NB Ramps- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 20:15:42

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
1. Link_2	*	7.6	-152.4	7.6	-66.6	*	86.	360. AG	317.	100.0	6.1	18.3	1.04	14.3
2. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2842.	6.1	6.1	17.0		
3. Link_12	*	152.4	7.6	130.1	7.6	*	22.	270. AG	159.	100.0	6.1	18.3	0.80	3.7
4. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2977.	6.1	6.1	24.3		
5. Link_4	*	-152.4	-7.6	-134.8	-7.6	*	18.	90. AG	159.	100.0	6.1	18.3	0.73	2.9
6. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. BR	1385.	6.1	6.1	13.4		

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
1. Link_2	*	60	40	2.0	1663	1200	35.50	1	3
3. Link_12	*	60	20	2.0	2895	1200	35.50	1	3
5. Link_4	*	60	20	2.0	2646	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.6	0.6
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.2	0.3
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.1	0.1
30.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.1
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.1
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.2
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.4	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.2
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.4
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.7	0.4	0.3	0.2	0.0	0.0	0.0	0.9
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.2	1.0
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.5
110.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.1	0.2	0.5	0.4	0.5	0.2
120.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.0	0.1	0.2	0.4	0.4	0.4	0.4	0.1
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.1	0.3	0.4	0.4	0.3	0.3	0.3	0.0
140.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.3	0.3	0.3	0.0
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.4	0.4	0.3	0.6	0.6	0.5	0.4	0.2	0.2	0.2	0.0
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.7	0.6	0.6	0.4	0.2	0.1	0.2	0.2	0.2	0.0
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.1	0.0	0.0	0.0	0.3	0.2	0.4	0.2
180.	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.9	0.9
190.	0.8	0.7	0.7	0.6	0.7	0.5	0.1	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.8	0.5	0.5
200.	0.4	0.4	0.5	0.5	0.8	0.8	0.6	0.4	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.1
210.	0.2	0.2	0.2	0.2	0.4	0.5	0.6	0.6	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.0
220.	0.2	0.2	0.2	0.2	0.1	0.2	0.5	0.5	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0
230.	0.2	0.2	0.3	0.3	0.0	0.0	0.3	0.4	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0
240.	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.3	0.4	0.4	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.4	0.2	0.0
250.	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.1	0.6	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.5	0.6	0.3	0.0
260.	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.7	0.1
270.	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	0.9	0.4
280.	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	0.1	0.5	0.8
290.	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.7
300.	0.1	0.1	0.1	0.1	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.5
310.	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.4
320.	0.2	0.2	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.3
330.	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.3
340.	0.2	0.2	0.2	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3
350.	0.2	0.1	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.3	0.4	0.5
360.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.6	0.6
MAX	0.8	0.7	0.7	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.7	0.6	0.7	0.6	0.5	0.5	0.9	0.9	0.9	1.0
DEGR.	190	190	190	190	200	200	200	210	110	160	160	160	80	150	140	140	260	260	180	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.5	0.3	0.1	0.0	0.0	0.3	0.2	0.2	
10.	*	0.2	0.2	0.3	0.2	0.1	0.5	0.4	0.4	
20.	*	0.2	0.2	0.3	0.2	0.2	0.5	0.4	0.4	
30.	*	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	
40.	*	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.2	
50.	*	0.3	0.3	0.1	0.1	0.1	0.2	0.2	0.2	
60.	*	0.4	0.4	0.1	0.1	0.1	0.3	0.2	0.3	
70.	*	0.6	0.7	0.1	0.1	0.1	0.3	0.5	0.5	
80.	*	1.0	0.7	0.1	0.2	0.1	0.9	1.0	0.8	
90.	*	0.6	0.2	0.4	0.4	0.1	1.0	0.6	0.3	
100.	*	0.1	0.0	0.7	0.7	0.5	0.4	0.1	0.0	
110.	*	0.0	0.0	0.7	0.7	0.7	0.1	0.0	0.0	
120.	*	0.0	0.0	0.6	0.6	0.7	0.0	0.0	0.0	
130.	*	0.0	0.0	0.4	0.5	0.5	0.0	0.0	0.0	
140.	*	0.0	0.0	0.3	0.4	0.4	0.0	0.0	0.2	
150.	*	0.0	0.0	0.2	0.3	0.3	0.1	0.2	0.5	
160.	*	0.0	0.0	0.3	0.5	0.6	0.4	0.7	0.7	
170.	*	0.1	0.0	0.8	0.8	0.7	0.8	0.6	0.3	
180.	*	0.7	0.3	0.4	0.2	0.3	0.2	0.1	0.0	
190.	*	0.8	0.9	0.1	0.2	0.2	0.0	0.0	0.0	
200.	*	0.2	0.5	0.1	0.2	0.2	0.0	0.0	0.0	
210.	*	0.0	0.1	0.1	0.2	0.2	0.0	0.0	0.0	
220.	*	0.0	0.0	0.1	0.2	0.3	0.0	0.0	0.0	
230.	*	0.0	0.0	0.2	0.3	0.3	0.0	0.0	0.0	
240.	*	0.0	0.0	0.2	0.4	0.4	0.0	0.0	0.0	
250.	*	0.0	0.0	0.4	0.6	0.6	0.0	0.0	0.0	
260.	*	0.0	0.0	0.8	0.9	0.8	0.0	0.0	0.0	
270.	*	0.1	0.0	0.9	0.7	0.3	0.3	0.2	0.0	
280.	*	0.6	0.4	0.5	0.2	0.0	0.6	0.4	0.3	
290.	*	0.6	0.6	0.2	0.1	0.0	0.6	0.5	0.4	
300.	*	0.6	0.5	0.1	0.0	0.0	0.4	0.4	0.4	
310.	*	0.5	0.5	0.1	0.0	0.0	0.3	0.3	0.3	
320.	*	0.4	0.5	0.0	0.0	0.0	0.3	0.3	0.3	
330.	*	0.4	0.4	0.0	0.0	0.0	0.2	0.3	0.3	
340.	*	0.4	0.5	0.0	0.0	0.0	0.2	0.2	0.2	
350.	*	0.6	0.6	0.0	0.0	0.0	0.2	0.2	0.2	
360.	*	0.5	0.3	0.1	0.0	0.0	0.3	0.2	0.2	
MAX	*	1.0	0.9	0.9	0.9	0.8	1.0	1.0	0.8	
DEGR.	*	80	190	270	260	260	90	80	80	

THE HIGHEST CONCENTRATION OF 1.00 PPM OCCURRED AT RECEPTOR REC21.

JOB: 2030centralA- W> Flamingo and W. Valley View- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 20:17:22

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-110.5	* 42.	360. AG	235.	100.0	0.0	14.6	0.96	7.0
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	903.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	138.3	* 14.	180. AG	352.	100.0	0.0	21.9	0.60	2.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	864.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2490.	6.1	0.0	20.7		
6. Link_12	* 152.4	7.6	140.0	7.6	* 12.	270. AG	256.	100.0	0.0	25.6	0.49	2.1
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2888.	6.1	0.0	20.7		
8. Link_4	* -152.4	-7.6	-139.3	-7.6	* 13.	90. AG	219.	100.0	0.0	21.9	0.52	2.2

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
1. Link_2	* 60	37	2.0	1453	1200	35.50	1	3
3. Link_5	* 60	37	2.0	1369	1200	35.50	1	3
6. Link_12	* 60	23	2.0	2261	1200	35.50	1	3
8. Link_4	* 60	23	2.0	2063	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.7	0.9
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.3	0.6
20.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.2	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.5
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.6
70.	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.6	0.6	0.6	0.5	0.0	0.0	0.1	0.8
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.8	0.5	0.4	0.3	0.0	0.0	0.1	1.3
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.2	0.1	0.4	1.4
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.5	0.3	0.6	0.9
110.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.7	0.5
120.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.3
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.5	0.5	0.5	0.1	0.1	0.2	0.3	0.4	0.3	0.5	0.2
150.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.5	0.2
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.5	0.5	0.5	0.3	0.2	0.3	0.3	0.5	0.2
170.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.5	0.2	0.1	0.0	0.0	0.3	0.3	0.6	0.3
180.	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.9	0.5
190.	0.6	0.5	0.4	0.4	0.3	0.3	0.1	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.9	0.5
200.	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.4
210.	0.4	0.3	0.3	0.3	0.1	0.1	0.3	0.4	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.4
220.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.2	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.5
230.	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.4
240.	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.6	0.6	0.4
250.	0.7	0.7	0.6	0.6	0.1	0.1	0.1	0.1	0.8	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.4
260.	0.8	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.1	1.3	0.4
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.5	1.5	0.7
280.	0.1	0.1	0.1	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	0.1	0.9	1.2
290.	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.2	0.1	0.5	1.2
300.	0.1	0.1	0.1	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.2	0.2	0.3	1.1
310.	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.9
320.	0.2	0.1	0.1	0.1	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.8
330.	0.2	0.3	0.2	0.3	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.7
340.	0.3	0.3	0.2	0.2	0.5	0.5	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6
350.	0.2	0.1	0.0	0.0	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.3	0.6	0.8
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.7	0.9
MAX	0.8	0.7	0.6	0.6	0.7	0.7	0.6	0.5	0.8	0.7	0.6	0.5	0.8	0.6	0.6	0.5	1.4	1.1	1.5	1.4
DEGR.	260	250	250	250	70	320	300	300	140	160	160	120	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.7	0.5	0.3	0.1	0.1	0.8	0.5	0.4
10.	*	0.5	0.4	0.4	0.2	0.2	0.8	0.8	0.5
20.	*	0.5	0.4	0.4	0.2	0.2	0.8	0.7	0.5
30.	*	0.5	0.4	0.4	0.3	0.1	0.6	0.7	0.5
40.	*	0.5	0.5	0.5	0.2	0.1	0.6	0.5	0.4
50.	*	0.6	0.5	0.4	0.2	0.1	0.6	0.6	0.4
60.	*	0.7	0.6	0.4	0.2	0.1	0.6	0.5	0.4
70.	*	0.9	0.8	0.4	0.2	0.1	0.6	0.8	0.7
80.	*	1.3	0.8	0.4	0.3	0.1	1.1	1.3	1.0
90.	*	1.0	0.2	0.7	0.7	0.1	1.3	1.0	0.4
100.	*	0.3	0.0	1.1	1.0	0.5	0.7	0.3	0.1
110.	*	0.1	0.0	1.2	1.2	0.8	0.4	0.2	0.1
120.	*	0.1	0.0	1.1	1.1	0.8	0.3	0.2	0.1
130.	*	0.1	0.0	0.9	0.9	0.8	0.2	0.2	0.2
140.	*	0.1	0.0	0.8	0.8	0.7	0.2	0.2	0.2
150.	*	0.1	0.0	0.7	0.8	0.7	0.3	0.3	0.2
160.	*	0.0	0.0	0.7	0.7	0.8	0.4	0.4	0.4
170.	*	0.0	0.0	1.0	1.1	0.9	0.8	0.7	0.4
180.	*	0.2	0.1	1.0	0.8	0.6	0.7	0.2	0.1
190.	*	0.3	0.4	0.6	0.5	0.4	0.3	0.0	0.0
200.	*	0.2	0.2	0.4	0.5	0.5	0.1	0.0	0.0
210.	*	0.2	0.1	0.5	0.6	0.5	0.1	0.0	0.0
220.	*	0.2	0.1	0.6	0.6	0.5	0.0	0.0	0.0
230.	*	0.2	0.1	0.6	0.7	0.6	0.1	0.0	0.0
240.	*	0.2	0.1	0.7	0.8	0.7	0.1	0.0	0.0
250.	*	0.2	0.1	0.9	1.1	1.0	0.0	0.0	0.0
260.	*	0.3	0.1	1.5	1.5	1.0	0.1	0.0	0.0
270.	*	0.5	0.1	1.6	1.1	0.3	0.4	0.2	0.0
280.	*	1.1	0.6	1.0	0.3	0.0	0.7	0.4	0.3
290.	*	1.2	0.9	0.6	0.1	0.0	0.8	0.6	0.5
300.	*	1.0	0.9	0.4	0.1	0.0	0.6	0.5	0.5
310.	*	0.9	0.8	0.2	0.1	0.0	0.7	0.5	0.4
320.	*	0.8	0.6	0.2	0.1	0.0	0.6	0.4	0.4
330.	*	0.7	0.6	0.3	0.1	0.0	0.6	0.4	0.4
340.	*	0.7	0.6	0.3	0.0	0.0	0.5	0.4	0.4
350.	*	1.0	0.8	0.3	0.0	0.0	0.5	0.4	0.3
360.	*	0.7	0.5	0.3	0.1	0.1	0.8	0.5	0.4
MAX	*	1.3	0.9	1.6	1.5	1.0	1.3	1.3	1.0
DEGR.	*	80	290	270	260	250	90	80	80

THE HIGHEST CONCENTRATION OF 1.60 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013lvdwntwn- W. Flamingo and Hotel Rio Dr- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 20:19:16

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-127.5	* 25.	360. AG	298.	100.0	0.0	14.6	0.93	4.2
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	352.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	137.7	* 15.	180. AG	298.	100.0	0.0	14.6	0.78	2.5
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	554.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2285.	6.1	0.0	20.7		
6. Link_12	* 152.4	7.6	141.4	7.6	* 11.	270. AG	103.	100.0	0.0	18.3	0.59	1.8
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2710.	6.1	0.0	20.7		
8. Link_4	* -152.4	-7.6	-143.2	-7.6	* 9.	90. AG	103.	100.0	0.0	18.3	0.50	1.5

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
1. Link_2	* 60	47	2.0	668	1200	35.50	1	3
3. Link_5	* 60	47	2.0	565	1200	35.50	1	3
6. Link_12	* 60	13	2.0	2536	1200	35.50	1	3
8. Link_4	* 60	13	2.0	2132	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.0	0.2	0.5
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.1	0.4
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.0	0.0	0.1	0.3
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.0	0.0	0.1	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.4
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.2	0.0	0.0	0.0	0.5
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.6
70.	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.7
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.5	0.4	0.3	0.0	0.0	0.0	1.1
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.1	1.3
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.6	0.8
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.4
120.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.5	0.3
130.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.2
140.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.2
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.2
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.3	0.3	0.2	0.1	0.3	0.3	0.3	0.2
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.2	0.0	0.0	0.0	0.3	0.3	0.4	0.2
180.	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.4
190.	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.4
200.	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.3
210.	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.3
220.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.3
230.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.3
240.	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.5	0.4	0.3
250.	0.6	0.5	0.5	0.5	0.1	0.1	0.0	0.0	0.6	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.3
260.	0.7	0.5	0.4	0.3	0.1	0.1	0.1	0.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.1	1.0	1.1	0.4
270.	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	1.4	0.6
280.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.8	1.1
290.	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.2	0.1	0.0	0.1	0.1	0.4	1.1
300.	0.1	0.0	0.0	0.0	0.7	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.1	0.1	0.2	1.0
310.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.8
320.	0.1	0.1	0.0	0.0	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.7
330.	0.1	0.1	0.2	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.5
340.	0.2	0.2	0.1	0.0	0.4	0.4	0.4	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.5
350.	0.2	0.0	0.0	0.0	0.5	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.6
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.0	0.2	0.5
MAX	0.7	0.5	0.5	0.5	0.7	0.6	0.6	0.5	0.6	0.5	0.5	0.5	0.7	0.6	0.5	0.5	1.1	1.0	1.4	1.3
DEGR.	260	250	250	250	300	300	300	310	130	130	160	160	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.5	0.4	0.3	0.1	0.1	0.6	0.5	0.4	
10.	*	0.4	0.4	0.3	0.1	0.1	0.6	0.4	0.4	
20.	*	0.4	0.4	0.3	0.1	0.1	0.6	0.6	0.4	
30.	*	0.4	0.4	0.3	0.2	0.1	0.4	0.5	0.4	
40.	*	0.5	0.4	0.4	0.2	0.0	0.4	0.3	0.3	
50.	*	0.6	0.5	0.4	0.1	0.0	0.3	0.3	0.2	
60.	*	0.7	0.6	0.4	0.1	0.0	0.4	0.4	0.4	
70.	*	0.9	0.7	0.4	0.1	0.0	0.5	0.6	0.6	
80.	*	1.1	0.7	0.3	0.2	0.0	0.9	1.0	0.8	
90.	*	0.9	0.2	0.5	0.5	0.0	1.2	0.8	0.4	
100.	*	0.2	0.0	0.9	0.8	0.4	0.7	0.2	0.1	
110.	*	0.1	0.0	1.0	0.9	0.6	0.3	0.1	0.1	
120.	*	0.1	0.0	1.0	0.9	0.7	0.2	0.1	0.1	
130.	*	0.1	0.0	0.8	0.8	0.7	0.1	0.1	0.1	
140.	*	0.1	0.0	0.7	0.7	0.7	0.1	0.1	0.1	
150.	*	0.0	0.0	0.7	0.7	0.7	0.2	0.2	0.1	
160.	*	0.0	0.0	0.6	0.6	0.5	0.2	0.3	0.2	
170.	*	0.0	0.0	0.7	0.8	0.7	0.5	0.5	0.3	
180.	*	0.2	0.1	0.8	0.6	0.5	0.5	0.1	0.0	
190.	*	0.2	0.2	0.5	0.5	0.4	0.2	0.0	0.0	
200.	*	0.1	0.1	0.4	0.5	0.4	0.1	0.0	0.0	
210.	*	0.1	0.1	0.4	0.5	0.5	0.1	0.0	0.0	
220.	*	0.2	0.1	0.5	0.6	0.5	0.0	0.0	0.0	
230.	*	0.2	0.1	0.6	0.7	0.6	0.0	0.0	0.0	
240.	*	0.2	0.1	0.7	0.8	0.7	0.0	0.0	0.0	
250.	*	0.2	0.1	0.8	1.0	0.8	0.0	0.0	0.0	
260.	*	0.3	0.1	1.3	1.4	0.8	0.0	0.0	0.0	
270.	*	0.5	0.1	1.5	1.1	0.3	0.2	0.1	0.0	
280.	*	0.9	0.5	0.9	0.3	0.0	0.7	0.4	0.2	
290.	*	1.1	0.8	0.5	0.1	0.0	0.7	0.6	0.5	
300.	*	1.0	0.9	0.3	0.1	0.0	0.6	0.5	0.5	
310.	*	0.9	0.8	0.2	0.1	0.0	0.5	0.4	0.4	
320.	*	0.7	0.6	0.2	0.1	0.0	0.5	0.4	0.3	
330.	*	0.6	0.5	0.2	0.1	0.0	0.5	0.4	0.4	
340.	*	0.5	0.5	0.3	0.0	0.0	0.5	0.4	0.3	
350.	*	0.6	0.6	0.2	0.0	0.0	0.5	0.3	0.3	
360.	*	0.5	0.4	0.3	0.1	0.1	0.6	0.5	0.4	
MAX	*	1.1	0.9	1.5	1.4	0.8	1.2	1.0	0.8	
DEGR.	*	80	300	270	260	250	90	80	80	

THE HIGHEST CONCENTRATION OF 1.50 PPM OCCURRED AT RECEPTOR REC23.

Central Station “A” Alternative- With Project Output-2030

JOB: 2030centralA- W. Twain and South Valley View- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:23:52

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-135.2	* 17.	360. AG	110.	100.0	0.0	11.0	0.68	2.9
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1378.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	135.5	* 17.	180. AG	110.	100.0	0.0	11.0	0.67	2.8
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1358.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	728.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	74.8	7.6	* 78.	270. AG	176.	100.0	0.0	11.0	1.02	12.9
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	893.	6.1	0.0	13.4		
8. Link_4	* -152.4	-7.6	-141.8	-7.6	* 11.	90. AG	176.	100.0	0.0	11.0	0.45	1.8

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
1. Link_2	* 60	23	2.0	1350	1200	35.50	1	3
3. Link_5	* 60	23	2.0	1323	1200	35.50	1	3
6. Link_12	* 60	37	2.0	1166	1200	35.50	1	3
8. Link_4	* 60	37	2.0	518	1200	35.50	1	3

RECEPTOR LOCATIONS

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RECEPTOR          *      COORDINATES (M)      *
                    *      X          Y          Z          *
-----*-----*-----*-----*-----*
1. Rcpt_1           *      29.0       29.0       1.8       *
2. Rcpt_2           *      35.1       35.1       1.8       *
3. Rcpt_3           *      41.1       41.1       1.8       *
4. Rcpt_4           *      47.2       47.2       1.8       *
5. Rcpt_5           *      29.0       -29.0      1.8       *
6. Rcpt_6           *      32.0       -32.0      1.8       *
7. Rcpt_7           *      41.1       -41.1      1.8       *
8. Rcpt_8           *      47.2       -47.2      1.8       *
9. Rcpt_9           *     -29.0        29.0       1.8       *
10. Rcpt_10         *     -35.1        35.1       1.8       *
11. Rcpt_11         *     -41.1        41.1       1.8       *
12. Rcpt_12         *     -47.2        47.2       1.8       *
13. Rcpt_13         *     -29.0       -29.0       1.8       *
14. Rcpt_14         *     -35.1       -35.1       1.8       *
15. Rcpt_15         *     -41.1       -41.1       1.8       *
16. Rcpt_16         *     -47.2       -47.2       1.8       *
17. Rcpt_17         *      16.8        16.8       1.8       *
18. Rcpt_18         *      22.9        22.9       1.8       *
19. Rcpt_19         *      10.7        10.7       1.8       *
20. Rcpt_20         *      10.7       -10.7       1.8       *
21. Rcpt_21         *      16.8       -16.8       1.8       *
22. Rcpt_22         *      22.9       -22.9       1.8       *
23. Rcpt_23         *     -10.7        10.7       1.8       *
24. Rcpt_24         *     -16.8        16.8       1.8       *
25. Rcpt_25         *     -22.9        22.9       1.8       *
26. Rcpt_26         *     -10.7       -10.7       1.8       *
27. Rcpt_27         *     -16.8       -16.8       1.8       *
28. Rcpt_28         *     -22.9       -22.9       1.8       *

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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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	1.0	0.9
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.5	0.4
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.2	0.2
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.1
40.	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.1	0.1
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.4	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.2
60.	0.0	0.0	0.0	0.0	0.4	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.3	0.0	0.0	0.1	0.2
70.	0.0	0.0	0.0	0.0	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.1	0.5
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.5	0.3	0.3	0.0	0.0	0.2	0.9
90.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.2	0.6	0.6
100.	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.6	0.7	0.5	0.3
110.	0.5	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.4	0.2	0.2	0.1	0.1	0.2	0.3	0.3	0.1
120.	0.2	0.4	0.5	0.5	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1
130.	0.1	0.2	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.0
140.	0.1	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1
150.	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.1	0.1	0.2	0.0
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.2	0.1	0.1	0.1	0.3	0.0
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.3	0.0
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.1
190.	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.3
200.	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.3
210.	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.3
220.	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.2
230.	0.4	0.4	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.2
240.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.5	0.3	0.4	0.3
250.	0.4	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3
260.	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.3
270.	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.7	0.4
280.	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.2	0.4	0.5
290.	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.5
300.	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.5
310.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.3
320.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3
330.	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.3
340.	0.3	0.3	0.2	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.5	0.4
350.	0.2	0.1	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.4	0.8	0.7
360.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	1.0	0.9
MAX	0.5	0.6	0.5	0.5	0.6	0.5	0.4	0.4	0.5	0.4	0.3	0.4	0.6	0.5	0.5	0.4	0.6	0.7	1.0	0.9
DEGR.	110	110	120	120	70	60	50	50	100	100	100	110	70	70	70	70	100	100	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.4	0.2	0.2	0.0	0.0	0.4	0.1	0.1	
10.	*	0.1	0.1	0.3	0.2	0.1	0.6	0.4	0.3	
20.	*	0.1	0.1	0.3	0.3	0.2	0.7	0.6	0.4	
30.	*	0.1	0.1	0.3	0.2	0.2	0.7	0.5	0.4	
40.	*	0.2	0.1	0.3	0.2	0.2	0.5	0.5	0.4	
50.	*	0.2	0.1	0.3	0.2	0.2	0.5	0.4	0.3	
60.	*	0.3	0.4	0.3	0.2	0.2	0.4	0.5	0.3	
70.	*	0.7	0.6	0.3	0.2	0.2	0.4	0.5	0.6	
80.	*	0.7	0.4	0.5	0.2	0.2	0.9	0.8	0.7	
90.	*	0.2	0.1	0.8	0.5	0.4	0.7	0.6	0.3	
100.	*	0.0	0.0	0.8	0.6	0.6	0.3	0.2	0.2	
110.	*	0.0	0.0	0.6	0.5	0.3	0.2	0.2	0.2	
120.	*	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2	
130.	*	0.0	0.0	0.3	0.4	0.3	0.3	0.3	0.2	
140.	*	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3	
150.	*	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.3	
160.	*	0.0	0.0	0.5	0.5	0.4	0.5	0.5	0.4	
170.	*	0.0	0.0	0.7	0.8	0.5	0.8	0.6	0.4	
180.	*	0.0	0.0	0.8	0.5	0.2	0.9	0.3	0.1	
190.	*	0.2	0.1	0.5	0.2	0.1	0.5	0.0	0.0	
200.	*	0.3	0.2	0.3	0.2	0.1	0.2	0.0	0.0	
210.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	
220.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	
230.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	
240.	*	0.2	0.2	0.3	0.3	0.2	0.1	0.0	0.0	
250.	*	0.2	0.2	0.3	0.3	0.2	0.1	0.0	0.0	
260.	*	0.2	0.2	0.5	0.4	0.2	0.1	0.0	0.0	
270.	*	0.2	0.2	0.6	0.2	0.1	0.1	0.0	0.0	
280.	*	0.4	0.3	0.3	0.0	0.0	0.3	0.1	0.1	
290.	*	0.5	0.4	0.2	0.0	0.0	0.3	0.2	0.1	
300.	*	0.4	0.3	0.1	0.0	0.0	0.3	0.2	0.1	
310.	*	0.4	0.3	0.1	0.0	0.0	0.3	0.1	0.1	
320.	*	0.4	0.3	0.1	0.0	0.0	0.2	0.1	0.1	
330.	*	0.3	0.3	0.1	0.0	0.0	0.2	0.1	0.1	
340.	*	0.4	0.4	0.1	0.0	0.0	0.3	0.1	0.1	
350.	*	0.7	0.5	0.1	0.0	0.0	0.3	0.1	0.1	
360.	*	0.4	0.2	0.2	0.0	0.0	0.4	0.1	0.1	
MAX	*	0.7	0.6	0.8	0.8	0.6	0.9	0.8	0.7	
DEGR.	*	70	70	90	170	100	80	80	80	

THE HIGHEST CONCENTRATION OF 1.00 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030centralA- W. Twain and South Valley View- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:24:10

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	7.6	-152.4	7.6	-135.2	17.	360. AG	110.	100.0	0.0	11.0	0.68	2.9
2. Link_3	7.6	0.0	7.6	152.4	152.	360. AG	1378.	6.1	0.0	13.4		
3. Link_5	-7.6	152.4	-7.6	135.5	17.	180. AG	110.	100.0	0.0	11.0	0.67	2.8
4. Link_7	-7.6	0.0	-7.6	-152.4	152.	180. AG	1380.	6.1	0.0	13.4		
5. Link_10	0.0	-7.6	152.4	-7.6	152.	90. AG	728.	6.1	0.0	13.4		
6. Link_12	152.4	7.6	49.7	7.6	103.	270. AG	176.	100.0	0.0	11.0	1.04	17.1
7. Link_13	0.0	7.6	-152.4	7.6	152.	270. AG	893.	6.1	0.0	13.4		
8. Link_4	-152.4	-7.6	-141.8	-7.6	11.	90. AG	176.	100.0	0.0	11.0	0.45	1.8

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
1. Link_2	60	23	2.0	1350	1200	35.50	1	3
3. Link_5	60	23	2.0	1323	1200	35.50	1	3
6. Link_12	60	37	2.0	1188	1200	35.50	1	3
8. Link_4	60	37	2.0	518	1200	35.50	1	3

RECEPTOR LOCATIONS

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RECEPTOR          *      COORDINATES (M)      *
                    *      X          Y          Z          *
-----*-----*-----*-----*-----*
1. Rcpt_1          *      29.0         29.0         1.8         *
2. Rcpt_2          *      35.1         35.1         1.8         *
3. Rcpt_3          *      41.1         41.1         1.8         *
4. Rcpt_4          *      47.2         47.2         1.8         *
5. Rcpt_5          *      29.0        -29.0         1.8         *
6. Rcpt_6          *      32.0        -32.0         1.8         *
7. Rcpt_7          *      41.1        -41.1         1.8         *
8. Rcpt_8          *      47.2        -47.2         1.8         *
9. Rcpt_9          *     -29.0         29.0         1.8         *
10. Rcpt_10         *     -35.1         35.1         1.8         *
11. Rcpt_11         *     -41.1         41.1         1.8         *
12. Rcpt_12         *     -47.2         47.2         1.8         *
13. Rcpt_13         *     -29.0        -29.0         1.8         *
14. Rcpt_14         *     -35.1        -35.1         1.8         *
15. Rcpt_15         *     -41.1        -41.1         1.8         *
16. Rcpt_16         *     -47.2        -47.2         1.8         *
17. Rcpt_17         *      16.8         16.8         1.8         *
18. Rcpt_18         *      22.9         22.9         1.8         *
19. Rcpt_19         *      10.7         10.7         1.8         *
20. Rcpt_20         *      10.7        -10.7         1.8         *
21. Rcpt_21         *      16.8        -16.8         1.8         *
22. Rcpt_22         *      22.9        -22.9         1.8         *
23. Rcpt_23         *     -10.7         10.7         1.8         *
24. Rcpt_24         *     -16.8         16.8         1.8         *
25. Rcpt_25         *     -22.9         22.9         1.8         *
26. Rcpt_26         *     -10.7        -10.7         1.8         *
27. Rcpt_27         *     -16.8        -16.8         1.8         *
28. Rcpt_28         *     -22.9        -22.9         1.8         *

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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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	1.0	0.9
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.5	0.4
20.	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.2	0.1	0.2	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.2	0.2
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.4	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.1
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.1	0.1
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.2
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.4	0.0	0.0	0.1	0.4
70.	0.0	0.0	0.0	0.0	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.8	0.6	0.6	0.5	0.0	0.0	0.1	0.8
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.5	0.3	0.3	0.0	0.0	0.3	1.0
90.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.5	0.2	0.9	0.6
100.	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.9	0.8	0.8	0.3
110.	0.7	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.5	0.2	0.2	0.2	0.1	0.4	0.7	0.4	0.1
120.	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.4	0.2	0.1
130.	0.4	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.0
140.	0.2	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1
150.	0.1	0.3	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.1	0.1	0.2	0.0
160.	0.1	0.2	0.3	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.2	0.1	0.1	0.1	0.3	0.0
170.	0.1	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.3	0.0
180.	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.1
190.	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.3
200.	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.3
210.	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.3
220.	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.2
230.	0.4	0.4	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.2
240.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.5	0.3	0.4	0.3
250.	0.4	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3
260.	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.3
270.	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.7	0.4
280.	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.2	0.4	0.5
290.	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.5
300.	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.5
310.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.3
320.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3
330.	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.3
340.	0.3	0.3	0.2	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.5	0.4
350.	0.2	0.1	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.4	0.8	0.7
360.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	1.0	0.9
MAX	0.7	0.6	0.5	0.5	0.6	0.5	0.4	0.4	0.7	0.5	0.5	0.5	0.8	0.6	0.6	0.5	0.9	0.8	1.0	1.0
DEGR.	110	110	120	120	70	50	30	30	100	100	110	110	70	70	70	70	100	100	0	80

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	0.4	0.2	0.2	0.0	0.0	0.4	0.1	0.1
10.	0.1	0.1	0.3	0.2	0.1	0.6	0.4	0.3
20.	0.1	0.1	0.3	0.3	0.2	0.7	0.6	0.4
30.	0.1	0.1	0.3	0.2	0.2	0.7	0.5	0.4
40.	0.2	0.3	0.3	0.2	0.2	0.5	0.5	0.4
50.	0.3	0.4	0.3	0.2	0.2	0.5	0.4	0.3
60.	0.6	0.6	0.3	0.2	0.2	0.4	0.5	0.4
70.	0.9	0.7	0.3	0.2	0.2	0.5	0.7	0.7
80.	0.7	0.4	0.5	0.2	0.2	1.1	1.0	0.7
90.	0.2	0.1	1.0	0.6	0.4	0.8	0.6	0.3
100.	0.0	0.0	0.9	0.8	0.8	0.3	0.2	0.2
110.	0.0	0.0	0.6	0.5	0.4	0.2	0.3	0.2
120.	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2
130.	0.0	0.0	0.3	0.4	0.3	0.3	0.3	0.2
140.	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3
150.	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.3
160.	0.0	0.0	0.5	0.5	0.4	0.5	0.5	0.4
170.	0.0	0.0	0.7	0.8	0.5	0.8	0.6	0.4
180.	0.0	0.0	0.9	0.6	0.2	1.0	0.3	0.1
190.	0.2	0.1	0.5	0.2	0.1	0.5	0.0	0.0
200.	0.3	0.2	0.3	0.2	0.1	0.2	0.0	0.0
210.	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
220.	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
230.	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0
240.	0.2	0.2	0.3	0.3	0.2	0.1	0.0	0.0
250.	0.2	0.2	0.3	0.3	0.2	0.1	0.0	0.0
260.	0.2	0.2	0.5	0.4	0.2	0.1	0.0	0.0
270.	0.2	0.2	0.6	0.2	0.1	0.1	0.0	0.0
280.	0.4	0.3	0.3	0.0	0.0	0.3	0.1	0.1
290.	0.5	0.4	0.2	0.0	0.0	0.3	0.2	0.1
300.	0.4	0.3	0.1	0.0	0.0	0.3	0.2	0.1
310.	0.4	0.3	0.1	0.0	0.0	0.3	0.1	0.1
320.	0.4	0.3	0.1	0.0	0.0	0.2	0.1	0.1
330.	0.3	0.3	0.1	0.0	0.0	0.2	0.1	0.1
340.	0.4	0.4	0.1	0.0	0.0	0.3	0.1	0.1
350.	0.7	0.5	0.1	0.0	0.0	0.3	0.1	0.1
360.	0.4	0.2	0.2	0.0	0.0	0.4	0.1	0.1
MAX	0.9	0.7	1.0	0.8	0.8	1.1	1.0	0.7
DEGR.	70	70	90	100	100	80	80	70

THE HIGHEST CONCENTRATION OF 1.10 PPM OCCURRED AT RECEPTOR REC26.

JOB: 2030centralA- W. Twain and Dean Martin Dr/ Industrial- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 16:24:27

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-142.6	* 10.	360. AG	114.	100.0	0.0	14.6	0.43	1.6
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	966.	6.1	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	-149.1	* 301.	180. AG	86.	100.0	0.0	11.0	1.10	50.2
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1620.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2045.	6.1	0.0	13.4		
6. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	180.	6.1	0.0	13.4		
7. Link_4	* -152.4	-7.6	-125.8	-7.6	* 27.	90. AG	267.	100.0	0.0	14.6	0.88	4.4

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
1. Link_2	* 60	18	2.0	1310	1200	35.50	1	3
3. Link_5	* 60	18	2.0	2511	1200	35.50	1	3
7. Link_4	* 60	42	2.0	990	1200	35.50	1	3

RECEPTOR LOCATIONS

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-----
RECEPTOR          *          COORDINATES (M)          *
                    *          X            Y            Z            *
-----*-----*-----*-----*-----*-----*-----*-----*-----*
1. Rcpt_1           *          29.0           29.0           1.8           *
2. Rcpt_2           *          35.1           35.1           1.8           *
3. Rcpt_3           *          41.1           41.1           1.8           *
4. Rcpt_4           *          47.2           47.2           1.8           *
5. Rcpt_5           *          29.0           -29.0          1.8           *
6. Rcpt_6           *          32.0           -32.0          1.8           *
7. Rcpt_7           *          41.1           -41.1          1.8           *
8. Rcpt_8           *          47.2           -47.2          1.8           *
9. Rcpt_9           *          -29.0           29.0           1.8           *
10. Rcpt_10         *          -35.1           35.1           1.8           *
11. Rcpt_11         *          -41.1           41.1           1.8           *
12. Rcpt_12         *          -47.2           47.2           1.8           *
13. Rcpt_13         *          -29.0           -29.0          1.8           *
14. Rcpt_14         *          -35.1           -35.1          1.8           *
15. Rcpt_15         *          -41.1           -41.1          1.8           *
16. Rcpt_16         *          -47.2           -47.2          1.8           *
17. Rcpt_17         *          16.8            16.8           1.8           *
18. Rcpt_18         *          22.9            22.9           1.8           *
19. Rcpt_19         *          10.7            10.7           1.8           *
20. Rcpt_20         *          10.7           -10.7          1.8           *
21. Rcpt_21         *          16.8           -16.8          1.8           *
22. Rcpt_22         *          22.9           -22.9          1.8           *
23. Rcpt_23         *          -10.7            10.7           1.8           *
24. Rcpt_24         *          -16.8            16.8           1.8           *
25. Rcpt_25         *          -22.9            22.9           1.8           *
26. Rcpt_26         *          -10.7           -10.7          1.8           *
27. Rcpt_27         *          -16.8           -16.8          1.8           *
28. Rcpt_28         *          -22.9           -22.9          1.8           *

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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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.7	0.9
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.4	0.3	0.2	0.1	0.0	0.0	0.3	0.5
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.3	0.2	0.1	0.5	0.4	0.3	0.3	0.0	0.0	0.2	0.5
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.0	0.0	0.1	0.4
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.1	0.4
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.5	0.0	0.0	0.1	0.5
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.7	0.7	0.7	0.6	0.0	0.0	0.1	0.6
70.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.3	0.3	0.2	0.2	0.9	0.8	0.7	0.6	0.0	0.0	0.1	0.8
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.3	0.3	0.2	0.2	0.9	0.7	0.5	0.5	0.0	0.0	0.1	1.2
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.5	0.4	0.3	0.3	0.0	0.0	0.2	1.4
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.1	0.6	0.7
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.6	0.3
120.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.3	0.4	0.3	0.5	0.2
130.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.5	0.1
140.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.2
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.6	0.5	0.4	0.4	0.3	0.2	0.4	0.1
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.5	0.7	0.5	0.4	0.2	0.3	0.2	0.4	0.1
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.5	0.4	0.2	0.4	0.2	0.0	0.0	0.3	0.2	0.4	0.1
180.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.6	0.3
190.	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.6	1.1	0.8
200.	0.7	0.6	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.8	1.2	0.8
210.	0.7	0.6	0.6	0.6	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	1.0	0.7
220.	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.6
230.	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.6
240.	0.3	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.7
250.	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.7
260.	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.7
270.	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.5	1.0
280.	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.4	0.3	0.4	0.9
290.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.4	0.4	0.4	0.8
300.	0.3	0.2	0.2	0.2	0.5	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.4	0.4	0.7
310.	0.3	0.2	0.2	0.2	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
320.	0.4	0.3	0.2	0.2	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
330.	0.4	0.4	0.3	0.2	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.8
340.	0.4	0.3	0.2	0.1	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.5	0.6	0.8
350.	0.2	0.1	0.0	0.0	0.6	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.8	1.0
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.7	0.9
MAX	0.7	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.7	0.6	0.6	0.5	0.9	0.8	0.7	0.6	1.0	0.8	1.2	1.4
DEGR.	200	200	200	200	340	340	340	340	160	110	120	130	70	70	60	60	200	200	200	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* * * *	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.7	0.4	1.1	0.3	0.1	1.5	0.3	0.1
10.	*		0.4	0.3	1.1	0.7	0.5	1.5	0.9	0.5
20.	*		0.4	0.3	0.8	0.7	0.6	1.1	0.9	0.6
30.	*		0.4	0.4	0.7	0.6	0.5	1.1	0.9	0.6
40.	*		0.4	0.4	0.6	0.5	0.4	0.9	0.7	0.6
50.	*		0.5	0.4	0.5	0.4	0.3	0.8	0.8	0.7
60.	*		0.6	0.5	0.5	0.4	0.3	0.9	0.8	0.8
70.	*		0.8	0.6	0.4	0.4	0.3	1.0	1.1	1.0
80.	*		0.9	0.5	0.4	0.3	0.3	1.5	1.4	1.0
90.	*		0.5	0.1	0.4	0.5	0.3	1.6	1.1	0.6
100.	*		0.0	0.0	0.9	0.7	0.6	1.0	0.5	0.4
110.	*		0.0	0.0	0.9	0.8	0.7	0.7	0.6	0.5
120.	*		0.0	0.0	0.8	0.8	0.6	0.6	0.6	0.5
130.	*		0.0	0.0	0.6	0.6	0.5	0.6	0.7	0.5
140.	*		0.0	0.0	0.7	0.6	0.6	0.8	0.7	0.6
150.	*		0.0	0.0	0.9	0.7	0.5	1.0	0.9	0.7
160.	*		0.0	0.0	0.9	0.9	0.8	1.2	1.1	0.8
170.	*		0.0	0.0	1.6	1.3	0.9	1.9	1.3	0.8
180.	*		0.0	0.0	2.0	0.7	0.3	2.1	0.7	0.2
190.	*		0.4	0.2	0.8	0.0	0.0	1.1	0.0	0.0
200.	*		0.6	0.5	0.3	0.0	0.0	0.5	0.0	0.0
210.	*		0.5	0.5	0.1	0.0	0.0	0.3	0.0	0.0
220.	*		0.5	0.4	0.1	0.0	0.0	0.2	0.0	0.0
230.	*		0.4	0.4	0.1	0.0	0.0	0.2	0.0	0.0
240.	*		0.4	0.4	0.2	0.1	0.0	0.2	0.0	0.0
250.	*		0.4	0.4	0.1	0.2	0.1	0.1	0.0	0.0
260.	*		0.4	0.4	0.4	0.3	0.2	0.2	0.0	0.0
270.	*		0.5	0.5	0.3	0.0	0.0	0.4	0.2	0.1
280.	*		0.6	0.5	0.2	0.0	0.0	0.3	0.1	0.2
290.	*		0.7	0.5	0.0	0.0	0.0	0.1	0.0	0.0
300.	*		0.8	0.6	0.1	0.0	0.0	0.2	0.0	0.0
310.	*		0.7	0.6	0.1	0.0	0.0	0.2	0.0	0.0
320.	*		0.6	0.7	0.1	0.0	0.0	0.2	0.0	0.0
330.	*		0.7	0.6	0.1	0.0	0.0	0.3	0.0	0.0
340.	*		0.9	0.8	0.2	0.0	0.0	0.4	0.0	0.0
350.	*		1.0	0.8	0.5	0.0	0.0	0.8	0.0	0.0
360.	*		0.7	0.4	1.1	0.3	0.1	1.5	0.3	0.1
MAX	*		1.0	0.8	2.0	1.3	0.9	2.1	1.4	1.0
DEGR.	*		350	340	180	170	170	180	80	70

THE HIGHEST CONCENTRATION OF 2.10 PPM OCCURRED AT RECEPTOR REC26.

JOB: 2030centralA- W. Twain and Dean Martin Dr/ Industrial- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:24:44

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-142.6	* 10.	360. AG	114.	100.0	0.0	14.6	0.43	1.6
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	966.	6.1	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	-284.8	* 437.	180. AG	86.	100.0	0.0	11.0	1.16	72.9
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1732.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2245.	6.1	0.0	13.4		
6. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	180.	6.1	0.0	13.4		
7. Link_4	* -152.4	-7.6	-69.9	-7.6	* 82.	90. AG	267.	100.0	0.0	14.6	1.04	13.7

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
1. Link_2	* 60	18	2.0	1310	1200	35.50	1	3
3. Link_5	* 60	18	2.0	2644	1200	35.50	1	3
7. Link_4	* 60	42	2.0	1169	1200	35.50	1	3

RECEPTOR LOCATIONS

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RECEPTOR          *          COORDINATES (M)          *
                    *          X            Y            Z            *
-----*-----*-----*-----*-----*-----*-----*-----*-----*
1. Rcpt_1           *          29.0           29.0           1.8           *
2. Rcpt_2           *          35.1           35.1           1.8           *
3. Rcpt_3           *          41.1           41.1           1.8           *
4. Rcpt_4           *          47.2           47.2           1.8           *
5. Rcpt_5           *          29.0           -29.0          1.8           *
6. Rcpt_6           *          32.0           -32.0          1.8           *
7. Rcpt_7           *          41.1           -41.1          1.8           *
8. Rcpt_8           *          47.2           -47.2          1.8           *
9. Rcpt_9           *          -29.0           29.0           1.8           *
10. Rcpt_10          *          -35.1           35.1           1.8           *
11. Rcpt_11          *          -41.1           41.1           1.8           *
12. Rcpt_12          *          -47.2           47.2           1.8           *
13. Rcpt_13          *          -29.0           -29.0          1.8           *
14. Rcpt_14          *          -35.1           -35.1          1.8           *
15. Rcpt_15          *          -41.1           -41.1          1.8           *
16. Rcpt_16          *          -47.2           -47.2          1.8           *
17. Rcpt_17          *          16.8            16.8           1.8           *
18. Rcpt_18          *          22.9            22.9           1.8           *
19. Rcpt_19          *          10.7            10.7           1.8           *
20. Rcpt_20          *          10.7           -10.7          1.8           *
21. Rcpt_21          *          16.8           -16.8          1.8           *
22. Rcpt_22          *          22.9           -22.9          1.8           *
23. Rcpt_23          *          -10.7            10.7           1.8           *
24. Rcpt_24          *          -16.8            16.8           1.8           *
25. Rcpt_25          *          -22.9            22.9           1.8           *
26. Rcpt_26          *          -10.7           -10.7          1.8           *
27. Rcpt_27          *          -16.8           -16.8          1.8           *
28. Rcpt_28          *          -22.9           -22.9          1.8           *

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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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.7	1.0
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.4	0.3	0.2	0.1	0.0	0.0	0.3	0.6
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.3	0.2	0.1	0.5	0.4	0.3	0.3	0.0	0.0	0.2	0.5
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.5	0.4	0.3	0.3	0.0	0.0	0.1	0.4
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.5	0.0	0.0	0.1	0.5
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.8	0.7	0.7	0.6	0.0	0.0	0.1	0.7
70.	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.2	0.3	0.3	0.2	0.2	0.9	0.8	0.7	0.7	0.0	0.0	0.1	0.9
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.3	0.3	0.2	0.2	0.9	0.8	0.6	0.5	0.0	0.0	0.1	1.3
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.5	0.5	0.3	0.3	0.0	0.0	0.2	1.6
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.6	0.8
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.5	0.4	0.7	0.4
120.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.6	0.2
130.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.1
140.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.4	0.2
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.6	0.5	0.5	0.4	0.3	0.3	0.5	0.1
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.5	0.7	0.6	0.4	0.3	0.3	0.3	0.4	0.1
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.4	0.7	0.4	0.3	0.2	0.3	0.3	0.4	0.1
180.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.5	0.4	0.7	0.4
190.	0.6	0.5	0.5	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.8	1.2	0.9
200.	0.7	0.7	0.6	0.6	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	1.1	0.9	1.2	0.8
210.	0.8	0.6	0.6	0.6	0.4	0.4	0.4	0.3	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.9	0.8	1.1	0.8
220.	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.3	0.1	0.2	0.4	0.4	0.0	0.0	0.0	0.0	0.8	0.7	0.8	0.6
230.	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.7
240.	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.6	0.6	0.5	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.7
250.	0.6	0.6	0.6	0.6	0.3	0.3	0.2	0.2	0.6	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.8
260.	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.9	1.0	0.9
270.	0.2	0.2	0.2	0.2	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	0.5	0.6	1.4
280.	0.2	0.2	0.2	0.2	0.8	0.8	0.7	0.5	0.0	0.0	0.0	0.0	0.7	0.3	0.1	0.0	0.4	0.3	0.4	1.1
290.	0.2	0.2	0.2	0.2	0.4	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.8	0.8	0.6	0.3	0.4	0.4	0.4	0.8
300.	0.3	0.2	0.2	0.2	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.6	0.7	0.6	0.4	0.4	0.4	0.8
310.	0.3	0.2	0.2	0.2	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.5	0.4	0.4	0.4	0.8
320.	0.4	0.3	0.2	0.2	0.6	0.6	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.4	0.4	0.4	0.7
330.	0.4	0.4	0.3	0.2	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.4	0.6	0.8
340.	0.4	0.3	0.2	0.1	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.5	0.6	0.9
350.	0.2	0.1	0.0	0.0	0.6	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.8	1.1
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.7	1.0
MAX	0.8	0.7	0.6	0.6	0.8	0.8	0.7	0.6	0.8	0.6	0.6	0.5	0.9	0.8	0.7	0.7	1.1	0.9	1.2	1.6
DEGR.	210	200	200	200	280	280	280	340	170	110	120	110	70	70	60	70	200	200	190	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.7	0.4	1.1	0.3	0.1	1.5	0.3	0.1
10.	*		0.4	0.3	1.1	0.7	0.5	1.5	0.9	0.5
20.	*		0.4	0.4	0.8	0.7	0.6	1.1	0.9	0.6
30.	*		0.4	0.4	0.7	0.6	0.5	1.1	0.9	0.7
40.	*		0.5	0.4	0.6	0.5	0.4	1.0	0.8	0.7
50.	*		0.5	0.4	0.5	0.4	0.3	0.8	0.9	0.7
60.	*		0.7	0.5	0.5	0.4	0.3	0.9	0.9	0.8
70.	*		0.8	0.6	0.4	0.4	0.3	1.0	1.1	1.0
80.	*		1.0	0.6	0.4	0.3	0.3	1.6	1.4	1.2
90.	*		0.5	0.2	0.4	0.5	0.3	1.7	1.2	0.7
100.	*		0.0	0.0	1.0	0.7	0.6	1.1	0.5	0.5
110.	*		0.0	0.0	1.0	0.9	0.7	0.7	0.6	0.5
120.	*		0.0	0.0	0.9	0.8	0.7	0.6	0.6	0.5
130.	*		0.0	0.0	0.7	0.6	0.5	0.6	0.7	0.5
140.	*		0.0	0.0	0.8	0.6	0.6	0.8	0.7	0.6
150.	*		0.0	0.0	0.9	0.7	0.6	1.0	0.9	0.7
160.	*		0.0	0.0	0.9	0.9	0.8	1.3	1.1	0.9
170.	*		0.0	0.0	1.7	1.4	1.0	2.0	1.5	1.0
180.	*		0.1	0.0	2.1	0.9	0.4	2.4	0.8	0.3
190.	*		0.5	0.4	0.8	0.0	0.0	1.1	0.0	0.0
200.	*		0.7	0.6	0.3	0.0	0.0	0.5	0.0	0.0
210.	*		0.5	0.5	0.1	0.0	0.0	0.3	0.0	0.0
220.	*		0.5	0.4	0.1	0.0	0.0	0.2	0.0	0.0
230.	*		0.4	0.4	0.1	0.0	0.1	0.2	0.0	0.0
240.	*		0.4	0.4	0.2	0.3	0.5	0.2	0.0	0.0
250.	*		0.4	0.4	0.5	0.8	0.7	0.1	0.0	0.0
260.	*		0.4	0.4	1.0	0.7	0.3	0.4	0.1	0.0
270.	*		0.9	0.7	0.4	0.1	0.0	1.0	0.6	0.3
280.	*		0.9	0.9	0.2	0.0	0.0	0.6	0.8	0.9
290.	*		0.7	0.6	0.0	0.0	0.0	0.1	0.2	0.5
300.	*		0.8	0.6	0.1	0.0	0.0	0.2	0.0	0.1
310.	*		0.8	0.6	0.1	0.0	0.0	0.2	0.0	0.0
320.	*		0.7	0.7	0.1	0.0	0.0	0.2	0.0	0.0
330.	*		0.7	0.7	0.1	0.0	0.0	0.3	0.0	0.0
340.	*		0.9	0.8	0.2	0.0	0.0	0.4	0.0	0.0
350.	*		1.0	0.8	0.5	0.0	0.0	0.8	0.0	0.0
360.	*		0.7	0.4	1.1	0.3	0.1	1.5	0.3	0.1
MAX	*		1.0	0.9	2.1	1.4	1.0	2.4	1.5	1.2
DEGR.	*		80	280	180	170	170	180	170	80

THE HIGHEST CONCENTRATION OF 2.40 PPM OCCURRED AT RECEPTOR REC26.

JOB: 2030centralA- Industrial and Frank Sinatra- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 16:25:17

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	7.6	-152.4	7.6	-135.1	17.	360. AG	105.	100.0	0.0	11.0	0.70	2.9
2. Link_3	7.6	0.0	7.6	152.4	152.	360. AG	2288.	6.1	0.0	17.0		
3. Link_5	-7.6	152.4	-7.6	137.0	15.	180. AG	175.	100.0	0.0	18.3	0.62	2.6
4. Link_7	-7.6	0.0	-7.6	-152.4	152.	180. AG	2683.	6.1	0.0	17.0		
5. Link_10	152.4	7.6	-932.4	7.6	1085.	270. AG	181.	100.0	0.0	11.0	1.91	180.8
6. Link_4	0.0	-7.6	152.4	-7.6	152.	90. AG	609.	6.1	0.0	13.4		

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
1. Link_2	60	22	2.0	1420	1200	35.50	1	3
3. Link_5	60	22	2.0	2098	1200	35.50	1	3
5. Link_10	60	38	2.0	2069	1200	35.50	1	3

RECEPTOR LOCATIONS

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RECEPTOR          *          COORDINATES (M)          *
                    *          X          Y          Z          *
-----*-----*-----*-----*-----*
1. Rcpt_1           *          29.0          29.0          1.8          *
2. Rcpt_2           *          35.1          35.1          1.8          *
3. Rcpt_3           *          41.1          41.1          1.8          *
4. Rcpt_4           *          47.2          47.2          1.8          *
5. Rcpt_5           *          29.0          -29.0          1.8          *
6. Rcpt_6           *          32.0          -32.0          1.8          *
7. Rcpt_7           *          41.1          -41.1          1.8          *
8. Rcpt_8           *          47.2          -47.2          1.8          *
9. Rcpt_9           *          -29.0          29.0          1.8          *
10. Rcpt_10          *          -35.1          35.1          1.8          *
11. Rcpt_11          *          -41.1          41.1          1.8          *
12. Rcpt_12          *          -47.2          47.2          1.8          *
13. Rcpt_13          *          -29.0          -29.0          1.8          *
14. Rcpt_14          *          -35.1          -35.1          1.8          *
15. Rcpt_15          *          -41.1          -41.1          1.8          *
16. Rcpt_16          *          -47.2          -47.2          1.8          *
17. Rcpt_17          *          16.8          16.8          1.8          *
18. Rcpt_18          *          22.9          22.9          1.8          *
19. Rcpt_19          *          10.7          10.7          1.8          *
20. Rcpt_20          *          10.7          -10.7          1.8          *
21. Rcpt_21          *          16.8          -16.8          1.8          *
22. Rcpt_22          *          22.9          -22.9          1.8          *
23. Rcpt_23          *          -10.7          10.7          1.8          *
24. Rcpt_24          *          -16.8          16.8          1.8          *
25. Rcpt_25          *          -22.9          22.9          1.8          *
26. Rcpt_26          *          -10.7          -10.7          1.8          *
27. Rcpt_27          *          -16.8          -16.8          1.8          *
28. Rcpt_28          *          -22.9          -22.9          1.8          *

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MODEL RESULTS

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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.

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WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)*	* CONCENTRATION (PPM)																			
	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.1	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.7	0.2	1.5	1.7
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.0	0.9	1.0
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.7	0.6	0.6	0.6	0.0	0.0	0.5	0.7
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.8	0.7	0.7	0.6	0.0	0.0	0.4	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.9	0.7	0.7	0.7	0.0	0.0	0.3	0.6
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	1.0	0.7	0.7	0.7	0.0	0.0	0.4	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.9	0.9	0.8	0.7	0.0	0.0	0.4	0.8
70.	0.0	0.0	0.0	0.0	0.5	0.4	0.2	0.0	0.3	0.2	0.2	0.2	1.0	0.8	0.8	0.7	0.0	0.0	0.6	0.9
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.8	0.6	0.5	0.5	0.0	0.0	1.2	1.0
90.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.6	0.2	2.4	0.5
100.	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.9	0.7	0.5	0.5	0.4	0.3	0.3	0.3	1.3	0.8	2.2	0.2
110.	0.7	0.6	0.4	0.2	0.0	0.0	0.0	0.0	1.1	0.9	0.8	0.8	0.4	0.4	0.3	0.3	1.1	0.9	1.6	0.1
120.	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.8	0.8	0.7	0.7	0.4	0.4	0.3	0.3	0.9	0.7	1.2	0.1
130.	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.4	0.3	0.3	0.3	0.8	0.7	1.0	0.0
140.	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.7	0.6	0.9	0.0
150.	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.6	0.5	0.5	0.4	0.5	0.7	0.6	0.9	0.0
160.	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.0	0.8	0.8	0.7	0.6	0.6	0.4	0.2	0.6	0.6	1.0	0.0
170.	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.8	0.6	0.5	0.4	0.2	0.1	0.0	0.6	0.5	0.9	0.0
180.	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.8	0.5	1.1	0.2
190.	0.7	0.6	0.5	0.5	0.2	0.1	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.4	0.9	1.6	0.6
200.	1.0	0.8	0.8	0.7	0.3	0.3	0.2	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.5	1.2	1.8	0.7
210.	1.0	0.9	0.8	0.7	0.4	0.4	0.3	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.2	1.7	0.6
220.	1.0	0.9	0.8	0.8	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.4	1.3	1.4	0.5
230.	1.0	0.9	0.8	0.7	0.3	0.3	0.3	0.3	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.4	1.2	1.4	0.5
240.	0.9	0.8	0.7	0.6	0.3	0.3	0.3	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.3	1.1	1.6	0.5
250.	1.0	0.9	0.8	0.7	0.3	0.3	0.2	0.2	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	1.5	1.2	1.7	0.5
260.	1.2	1.1	1.0	0.9	0.3	0.3	0.3	0.2	0.9	0.8	0.7	0.7	0.0	0.0	0.0	0.0	1.9	1.4	2.4	0.5
270.	1.0	0.8	0.7	0.5	0.7	0.6	0.5	0.4	0.7	0.5	0.4	0.3	0.4	0.3	0.2	0.2	1.8	1.3	3.3	1.3
280.	0.3	0.3	0.3	0.2	1.0	1.0	0.9	0.8	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.5	0.5	0.3	1.5	1.5
290.	0.3	0.3	0.3	0.2	0.8	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.4	0.4	0.8	1.2
300.	0.4	0.3	0.3	0.2	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.4	0.4	0.6	0.9
310.	0.3	0.3	0.3	0.3	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.5	0.4	0.6	0.7
320.	0.4	0.4	0.3	0.3	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6	0.5	0.7	0.6
330.	0.4	0.4	0.5	0.4	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.5	0.7	0.8
340.	0.6	0.5	0.4	0.2	0.9	0.9	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.9	0.6	0.9	0.9
350.	0.4	0.2	0.1	0.0	0.9	0.9	0.7	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	1.3	0.7	1.4	1.4
360.	0.1	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.7	0.2	1.5	1.7
MAX	1.2	1.1	1.0	0.9	1.0	1.0	0.9	0.8	1.1	0.9	0.8	0.8	1.0	0.9	0.8	0.7	1.9	1.4	3.3	1.7
DEGR.	260	260	260	260	280	280	280	280	110	110	110	110	50	60	60	40	260	260	270	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.2	0.7	0.3	0.1	0.0	1.1	0.7	0.3	
10.	*	0.6	0.4	0.6	0.3	0.3	1.4	1.1	0.6	
20.	*	0.5	0.4	0.7	0.5	0.4	1.4	1.3	0.8	
30.	*	0.5	0.4	0.6	0.4	0.4	1.4	1.3	1.0	
40.	*	0.5	0.5	0.6	0.4	0.3	1.4	1.2	1.1	
50.	*	0.5	0.5	0.6	0.3	0.3	1.3	1.1	1.1	
60.	*	0.7	0.6	0.6	0.3	0.3	1.3	1.2	1.2	
70.	*	0.8	0.7	0.7	0.3	0.3	1.3	1.2	1.0	
80.	*	0.7	0.4	1.3	0.3	0.3	1.4	1.3	1.0	
90.	*	0.1	0.0	2.6	1.0	0.6	0.9	0.8	0.5	
100.	*	0.0	0.0	2.5	1.7	1.3	0.5	0.5	0.4	
110.	*	0.0	0.0	1.8	1.4	1.2	0.4	0.5	0.4	
120.	*	0.0	0.0	1.3	1.1	0.9	0.5	0.5	0.5	
130.	*	0.0	0.0	0.9	0.9	0.8	0.5	0.6	0.5	
140.	*	0.0	0.0	0.8	0.8	0.8	0.6	0.7	0.5	
150.	*	0.0	0.0	0.9	0.9	0.9	0.7	0.8	0.6	
160.	*	0.0	0.0	1.1	1.1	1.1	0.9	1.0	0.8	
170.	*	0.0	0.0	1.6	1.6	1.3	1.4	1.4	0.8	
180.	*	0.0	0.0	1.9	1.3	0.7	1.7	0.8	0.2	
190.	*	0.4	0.2	1.1	0.6	0.4	1.0	0.1	0.0	
200.	*	0.6	0.5	0.8	0.5	0.5	0.5	0.0	0.0	
210.	*	0.5	0.4	0.6	0.6	0.5	0.3	0.0	0.0	
220.	*	0.4	0.4	0.6	0.6	0.5	0.2	0.0	0.0	
230.	*	0.4	0.3	0.7	0.7	0.6	0.2	0.0	0.0	
240.	*	0.4	0.3	1.0	0.8	0.6	0.2	0.0	0.0	
250.	*	0.4	0.3	1.3	1.1	0.8	0.2	0.0	0.0	
260.	*	0.3	0.3	2.1	1.5	1.1	0.2	0.0	0.0	
270.	*	0.9	0.8	3.0	1.4	0.9	1.0	0.6	0.5	
280.	*	1.2	1.1	1.1	0.1	0.0	1.2	0.9	0.8	
290.	*	1.0	0.9	0.4	0.0	0.0	0.9	0.6	0.6	
300.	*	0.9	0.9	0.2	0.0	0.0	0.8	0.5	0.5	
310.	*	0.6	0.6	0.2	0.0	0.0	0.7	0.4	0.4	
320.	*	0.6	0.6	0.2	0.0	0.0	0.7	0.4	0.4	
330.	*	0.8	0.7	0.1	0.0	0.0	0.7	0.4	0.3	
340.	*	1.0	0.9	0.1	0.0	0.0	0.7	0.4	0.3	
350.	*	1.5	1.2	0.1	0.0	0.0	0.8	0.4	0.3	
360.	*	1.2	0.7	0.3	0.1	0.0	1.1	0.7	0.3	
MAX	*	1.5	1.2	3.0	1.7	1.3	1.7	1.4	1.2	
DEGR.	*	350	350	270	100	100	180	170	60	

THE HIGHEST CONCENTRATION OF 3.30 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030centralA- Industrial and Frank Sinatra- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 16:25:33

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-133.0	* 19.	360. AG	105.	100.0	0.0	11.0	0.75	3.2
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	2450.	6.1	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	136.4	* 16.	180. AG	175.	100.0	0.0	18.3	0.64	2.7
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	2766.	6.1	0.0	17.0		
5. Link_10	* 152.4	7.6	-979.6	7.6	* 1132.	270. AG	181.	100.0	0.0	11.0	1.96	188.7
6. Link_4	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	609.	6.1	0.0	13.4		

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
1. Link_2	* 60	22	2.0	1532	1200	35.50	1	3
3. Link_5	* 60	22	2.0	2181	1200	35.50	1	3
5. Link_10	* 60	38	2.0	2112	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	0.1	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.8	0.2	1.6	1.7
10.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.5	0.5	0.4	0.3	0.1	0.0	1.0	1.1
20.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.7	0.7	0.6	0.6	0.0	0.0	0.6	0.7
30.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.9	0.7	0.7	0.6	0.0	0.0	0.4	0.5
40.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.9	0.9	0.8	0.7	0.0	0.0	0.4	0.6
50.	*	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	1.0	0.9	0.7	0.7	0.0	0.0	0.4	0.6
60.	*	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.9	0.9	0.8	0.7	0.0	0.0	0.4	0.8
70.	*	0.0	0.0	0.0	0.0	0.5	0.4	0.2	0.0	0.3	0.2	0.2	0.2	1.0	0.9	0.8	0.7	0.0	0.0	0.6	0.9
80.	*	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	0.2	0.2	0.2	0.8	0.6	0.5	0.5	0.0	0.0	1.2	1.0
90.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.6	0.2	2.4	0.5
100.	*	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.7	0.5	0.5	0.4	0.3	0.3	0.3	1.3	0.8	2.2	0.2
110.	*	0.7	0.6	0.4	0.2	0.0	0.0	0.0	0.0	1.1	1.0	0.8	0.8	0.4	0.4	0.3	0.3	1.1	0.9	1.7	0.1
120.	*	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.8	0.8	0.7	0.7	0.4	0.4	0.3	0.3	0.9	0.7	1.3	0.1
130.	*	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.4	0.4	0.3	0.3	0.8	0.7	1.0	0.0
140.	*	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.7	0.6	1.0	0.0
150.	*	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.7	0.5	0.5	0.4	0.5	0.7	0.6	1.0	0.0
160.	*	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.8	0.7	0.6	0.4	0.2	0.6	0.6	1.0	0.0
170.	*	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.8	0.6	0.6	0.5	0.2	0.1	0.0	0.6	0.5	0.9	0.0
180.	*	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.8	0.5	1.1	0.3
190.	*	0.8	0.6	0.5	0.5	0.2	0.2	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.4	0.9	1.6	0.7
200.	*	1.0	0.8	0.8	0.7	0.4	0.3	0.2	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.2	1.8	0.7
210.	*	1.0	0.9	0.9	0.7	0.4	0.4	0.3	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.3	1.8	0.6
220.	*	1.0	0.9	0.8	0.8	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.5	1.3	1.6	0.5
230.	*	1.1	0.9	0.8	0.8	0.3	0.3	0.3	0.3	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.4	1.2	1.4	0.5
240.	*	0.9	0.8	0.7	0.7	0.3	0.3	0.3	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.4	1.1	1.6	0.6
250.	*	1.0	0.9	0.8	0.8	0.3	0.3	0.3	0.2	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	1.6	1.2	1.8	0.5
260.	*	1.3	1.1	1.0	1.0	0.3	0.3	0.3	0.2	0.9	0.8	0.7	0.7	0.0	0.0	0.0	0.0	1.9	1.5	2.5	0.5
270.	*	1.0	0.8	0.7	0.7	0.7	0.7	0.6	0.4	0.7	0.5	0.4	0.3	0.4	0.3	0.2	0.2	1.9	1.3	3.4	1.3
280.	*	0.3	0.3	0.3	0.3	1.0	1.0	0.9	0.8	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.5	0.4	1.5	1.5
290.	*	0.3	0.3	0.3	0.3	0.8	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.5	0.4	0.8	1.2
300.	*	0.4	0.3	0.3	0.3	0.7	0.7	0.7	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.5	0.4	0.6	0.9
310.	*	0.4	0.3	0.3	0.3	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.5	0.5	0.7	0.7
320.	*	0.4	0.4	0.3	0.3	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6	0.5	0.8	0.6
330.	*	0.5	0.4	0.5	0.4	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.6	0.8	0.8
340.	*	0.7	0.5	0.4	0.2	0.9	0.9	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.9	0.7	1.0	1.0
350.	*	0.4	0.2	0.1	0.0	1.0	0.9	0.7	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	1.3	0.8	1.5	1.6
360.	*	0.1	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.8	0.2	1.6	1.7
MAX	*	1.3	1.1	1.0	1.0	1.0	1.0	0.9	0.8	1.1	1.0	0.8	0.8	1.0	0.9	0.8	0.7	1.9	1.5	3.4	1.7
DEGR.	*	260	260	260	260	280	280	280	280	110	110	110	110	50	40	60	40	260	260	270	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.2	0.7	0.3	0.1	0.0	1.1	0.7	0.3	
10.	*	0.6	0.4	0.7	0.3	0.3	1.4	1.3	0.6	
20.	*	0.5	0.4	0.7	0.5	0.4	1.4	1.3	0.9	
30.	*	0.5	0.4	0.6	0.5	0.4	1.4	1.4	1.0	
40.	*	0.5	0.5	0.6	0.4	0.4	1.4	1.3	1.1	
50.	*	0.5	0.5	0.6	0.3	0.3	1.3	1.2	1.1	
60.	*	0.7	0.6	0.6	0.3	0.3	1.3	1.2	1.2	
70.	*	0.8	0.7	0.8	0.3	0.3	1.3	1.2	1.0	
80.	*	0.7	0.4	1.3	0.3	0.3	1.4	1.3	1.0	
90.	*	0.1	0.0	2.7	1.0	0.6	0.9	0.8	0.5	
100.	*	0.0	0.0	2.6	1.7	1.3	0.5	0.5	0.4	
110.	*	0.0	0.0	1.8	1.4	1.2	0.4	0.5	0.4	
120.	*	0.0	0.0	1.3	1.1	1.0	0.5	0.5	0.5	
130.	*	0.0	0.0	0.9	0.9	0.8	0.5	0.6	0.5	
140.	*	0.0	0.0	0.8	0.8	0.8	0.6	0.7	0.6	
150.	*	0.0	0.0	0.9	0.9	0.9	0.8	0.8	0.7	
160.	*	0.0	0.0	1.1	1.1	1.2	1.0	1.1	0.8	
170.	*	0.0	0.0	1.6	1.6	1.3	1.4	1.5	0.8	
180.	*	0.0	0.0	1.9	1.3	0.7	1.7	0.8	0.2	
190.	*	0.4	0.3	1.1	0.6	0.4	1.0	0.1	0.0	
200.	*	0.6	0.5	0.8	0.5	0.5	0.5	0.0	0.0	
210.	*	0.5	0.5	0.6	0.6	0.5	0.3	0.0	0.0	
220.	*	0.4	0.4	0.6	0.6	0.5	0.2	0.0	0.0	
230.	*	0.4	0.3	0.7	0.7	0.6	0.2	0.0	0.0	
240.	*	0.4	0.3	1.0	0.8	0.6	0.2	0.0	0.0	
250.	*	0.4	0.3	1.3	1.1	0.8	0.2	0.0	0.0	
260.	*	0.3	0.3	2.1	1.5	1.1	0.2	0.0	0.0	
270.	*	1.0	0.8	3.0	1.4	0.9	1.0	0.6	0.5	
280.	*	1.2	1.1	1.1	0.1	0.0	1.2	0.9	0.8	
290.	*	1.1	0.9	0.4	0.0	0.0	0.9	0.6	0.6	
300.	*	0.9	0.9	0.2	0.0	0.0	0.8	0.5	0.5	
310.	*	0.6	0.6	0.2	0.0	0.0	0.7	0.4	0.4	
320.	*	0.6	0.6	0.2	0.0	0.0	0.7	0.4	0.4	
330.	*	0.8	0.7	0.1	0.0	0.0	0.7	0.4	0.3	
340.	*	1.1	1.0	0.1	0.0	0.0	0.8	0.4	0.3	
350.	*	1.6	1.3	0.1	0.0	0.0	0.8	0.4	0.3	
360.	*	1.2	0.7	0.3	0.1	0.0	1.1	0.7	0.3	
MAX	*	1.6	1.3	3.0	1.7	1.3	1.7	1.5	1.2	
DEGR.	*	350	350	270	100	100	180	170	60	

THE HIGHEST CONCENTRATION OF 3.40 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030centralA- Flamingo and I-15 NB Ramps- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:26: 0

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-16.2	* 136.	360. AG	317.	100.0	6.1	18.3	1.09	22.7
2. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2922.	6.1	6.1	17.0		
3. Link_12	* 152.4	7.6	125.8	7.6	* 27.	270. AG	159.	100.0	6.1	18.3	0.85	4.4
4. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	3137.	6.1	6.1	24.3		
5. Link_4	* -152.4	-7.6	-128.2	-7.6	* 24.	90. AG	159.	100.0	6.1	18.3	0.82	4.0
6. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. BR	1712.	6.1	6.1	13.4		

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
1. Link_2	* 60	40	2.0	1743	1200	35.50	1	3
3. Link_12	* 60	20	2.0	3055	1200	35.50	1	3
5. Link_4	* 60	20	2.0	2973	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.1	0.7	0.8
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.3	0.3
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.1
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.1
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.1
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.4	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.4	0.1	0.1	0.1	0.1	0.3	0.4	0.4	0.5	0.0	0.0	0.0	0.3
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.7	0.8	0.8	0.8	0.0	0.0	0.0	0.4
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	1.0	0.9	0.7	0.6	0.0	0.0	0.0	0.9
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.1	0.1	0.2	1.1
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.3	0.6	0.5
110.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.6	0.2
120.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.1
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.0
140.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.0
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.9	0.9	0.8	0.8	0.6	0.6	0.5	0.4	0.3	0.2	0.3	0.1
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.8	0.6	0.4	0.2	0.1	0.2	0.2	0.3	0.3
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.1	0.0	0.0	0.0	0.3	0.2	0.7	0.8
180.	0.5	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	0.7	1.8	1.8
190.	1.2	1.0	0.8	0.6	0.7	0.5	0.1	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.4	1.4	1.3	1.4
200.	0.9	1.0	0.9	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.6	0.7
210.	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.6	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.5	0.2	0.4
220.	0.2	0.3	0.3	0.3	0.6	0.6	0.6	0.5	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
230.	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.1
240.	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.4	0.3	0.1
250.	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.6	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.5	0.6	0.4	0.1
260.	0.8	0.7	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.8	0.1
270.	0.3	0.2	0.1	0.1	0.4	0.4	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	1.0	0.4
280.	0.1	0.1	0.1	0.1	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	0.1	0.5	0.8
290.	0.1	0.1	0.1	0.1	0.9	0.8	0.8	0.7	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.1	0.1	0.3	0.7
300.	0.1	0.1	0.1	0.1	0.7	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.2	0.5
310.	0.2	0.2	0.2	0.2	0.6	0.6	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.2	0.1	0.4
320.	0.2	0.2	0.2	0.2	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.3
330.	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3
340.	0.3	0.2	0.2	0.1	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.4	0.3	0.3	0.3
350.	0.2	0.1	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.4	0.5	0.6
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.1	0.7	0.8
MAX	1.2	1.0	0.9	0.9	0.9	0.9	0.8	0.7	1.0	0.9	0.8	0.8	1.0	0.9	0.8	0.8	1.4	1.4	1.8	1.8
DEGR.	190	190	200	200	200	200	290	290	160	150	150	150	80	80	70	70	190	190	180	180

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.6	0.4	0.1	0.0	0.0	0.3	0.2	0.2
10.	*		0.2	0.2	0.3	0.2	0.1	0.6	0.5	0.4
20.	*		0.2	0.2	0.3	0.3	0.2	0.5	0.5	0.5
30.	*		0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4
40.	*		0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3
50.	*		0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
60.	*		0.4	0.4	0.1	0.1	0.1	0.3	0.2	0.3
70.	*		0.6	0.7	0.1	0.1	0.1	0.3	0.5	0.6
80.	*		1.0	0.7	0.1	0.2	0.1	0.9	1.0	1.1
90.	*		0.6	0.2	0.4	0.4	0.2	1.1	0.8	0.7
100.	*		0.1	0.0	0.7	0.7	0.6	0.5	0.5	0.4
110.	*		0.0	0.0	0.8	0.7	0.7	0.4	0.4	0.4
120.	*		0.0	0.0	0.6	0.6	0.7	0.4	0.5	0.4
130.	*		0.0	0.0	0.4	0.5	0.6	0.5	0.5	0.5
140.	*		0.0	0.0	0.5	0.6	0.6	0.6	0.6	0.6
150.	*		0.0	0.0	0.7	0.8	0.8	0.7	0.7	0.7
160.	*		0.0	0.0	1.0	1.1	1.0	1.0	0.9	0.8
170.	*		0.2	0.0	1.2	1.0	0.8	1.0	0.6	0.3
180.	*		1.1	0.4	0.4	0.3	0.3	0.3	0.1	0.0
190.	*		1.6	1.2	0.1	0.2	0.2	0.0	0.0	0.0
200.	*		1.1	1.0	0.1	0.2	0.2	0.0	0.0	0.0
210.	*		0.7	0.8	0.1	0.2	0.2	0.0	0.0	0.0
220.	*		0.5	0.6	0.2	0.2	0.3	0.0	0.0	0.0
230.	*		0.4	0.5	0.2	0.3	0.3	0.0	0.0	0.0
240.	*		0.3	0.4	0.3	0.4	0.4	0.0	0.0	0.0
250.	*		0.3	0.4	0.4	0.6	0.7	0.0	0.0	0.0
260.	*		0.3	0.4	0.9	1.0	0.8	0.0	0.0	0.0
270.	*		0.4	0.3	1.0	0.8	0.3	0.3	0.2	0.1
280.	*		0.7	0.8	0.5	0.2	0.0	0.6	0.5	0.3
290.	*		0.7	0.8	0.2	0.1	0.0	0.6	0.5	0.5
300.	*		0.6	0.7	0.1	0.0	0.0	0.5	0.4	0.4
310.	*		0.5	0.6	0.1	0.0	0.0	0.4	0.3	0.3
320.	*		0.4	0.6	0.0	0.0	0.0	0.3	0.3	0.3
330.	*		0.4	0.5	0.0	0.0	0.0	0.3	0.3	0.3
340.	*		0.5	0.5	0.0	0.0	0.0	0.2	0.2	0.2
350.	*		0.7	0.6	0.0	0.0	0.0	0.2	0.2	0.2
360.	*		0.6	0.4	0.1	0.0	0.0	0.3	0.2	0.2
MAX	*		1.6	1.2	1.2	1.1	1.0	1.1	1.0	1.1
DEGR.	*		190	190	170	160	160	90	80	80

THE HIGHEST CONCENTRATION OF 1.80 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030centralA- Flamingo and I-15 NB Ramps- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:26:18

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
1. Link_2	*	7.6	-152.4	7.6	5.9	158.	360. AG	317.	100.0	6.1	18.3	1.11	26.4	
2. Link_10	*	0.0	-7.6	152.4	-7.6	152.	90. AG	2956.	6.1	6.1	17.0			
3. Link_12	*	152.4	7.6	123.5	7.6	29.	270. AG	159.	100.0	6.1	18.3	0.87	4.8	
4. Link_13	*	0.0	7.6	-152.4	7.6	152.	270. AG	3204.	6.1	6.1	24.3			
5. Link_4	*	-152.4	-7.6	-124.1	-7.6	28.	90. AG	159.	100.0	6.1	18.3	0.86	4.7	
6. Link_3	*	7.6	0.0	7.6	152.4	152.	360. BR	1847.	6.1	6.1	13.4			

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
1. Link_2	*	60	40	2.0	1777	1200	35.50	1	3
3. Link_12	*	60	20	2.0	3122	1200	35.50	1	3
5. Link_4	*	60	20	2.0	3108	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.1	0.7	1.0
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.3	0.5
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.1	0.3
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.2
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.2
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.4	0.2	0.2	0.1	0.1	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.3
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.4	0.1	0.1	0.1	0.1	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.3
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.9	0.9	1.0	0.9	0.0	0.0	0.0	0.4
80.	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.1	0.1	0.1	0.1	1.1	0.9	0.7	0.6	0.0	0.0	0.0	0.9
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.1	0.1	0.2	1.1
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.3	0.6	0.5
110.	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.6	0.2
120.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.1
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.8	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.1
140.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.3	0.3	0.4	0.1
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.6	0.6	0.5	0.4	0.3	0.2	0.4	0.2
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.8	0.6	0.4	0.2	0.1	0.2	0.2	0.5	0.3
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.1	0.0	0.0	0.0	0.4	0.2	1.2	0.9
180.	0.5	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.4	0.8	2.2	1.8
190.	1.3	1.0	0.8	0.6	0.7	0.5	0.1	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.8	1.6	1.7	1.4
200.	1.2	1.1	1.0	1.0	0.9	0.9	0.6	0.4	0.2	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.2	1.2	1.0	0.7
210.	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.9	0.6	0.4
220.	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3
230.	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.4	0.0	0.0	0.0	0.0	0.4	0.5	0.3	0.2
240.	0.5	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.5	0.4	0.2
250.	0.6	0.6	0.6	0.7	0.4	0.4	0.4	0.4	0.7	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3
260.	0.9	0.7	0.5	0.4	0.4	0.4	0.4	0.4	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.8	0.2
270.	0.3	0.2	0.1	0.1	0.4	0.4	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	1.0	0.5
280.	0.1	0.1	0.1	0.1	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.3	0.1	0.6	0.9
290.	0.2	0.1	0.1	0.1	0.9	0.9	0.8	0.7	0.0	0.0	0.0	0.0	0.5	0.3	0.2	0.2	0.1	0.1	0.3	0.9
300.	0.2	0.1	0.1	0.1	0.9	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.2	0.2	0.7
310.	0.2	0.2	0.2	0.2	1.0	1.0	0.9	0.9	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.6
320.	0.2	0.2	0.2	0.2	1.1	1.0	0.8	0.8	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.5
330.	0.3	0.2	0.2	0.2	0.8	0.8	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.6
340.	0.3	0.3	0.2	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.6
350.	0.2	0.1	0.0	0.0	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.6	0.4	0.6	0.8
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.1	0.7	1.0
MAX	1.3	1.1	1.0	1.0	1.1	1.0	0.9	0.9	1.0	0.9	0.9	0.9	1.1	0.9	1.0	0.9	1.8	1.6	2.2	1.8
DEGR.	190	200	200	200	320	300	310	310	130	130	130	140	80	80	70	70	190	190	180	180

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.8	0.4	0.1	0.0	0.0	0.3	0.2	0.2
10.	*		0.2	0.2	0.4	0.2	0.1	0.6	0.5	0.4
20.	*		0.2	0.2	0.4	0.3	0.3	0.6	0.5	0.5
30.	*		0.2	0.2	0.3	0.2	0.2	0.5	0.4	0.4
40.	*		0.2	0.3	0.2	0.2	0.2	0.5	0.4	0.4
50.	*		0.3	0.3	0.2	0.2	0.2	0.5	0.5	0.5
60.	*		0.4	0.4	0.2	0.2	0.1	0.7	0.6	0.7
70.	*		0.6	0.7	0.1	0.2	0.1	0.7	0.9	0.9
80.	*		1.0	0.8	0.1	0.2	0.1	1.3	1.4	1.3
90.	*		0.6	0.2	0.4	0.4	0.2	1.5	1.1	0.7
100.	*		0.1	0.0	0.8	0.7	0.6	0.8	0.5	0.4
110.	*		0.0	0.0	1.1	0.8	0.8	0.5	0.4	0.4
120.	*		0.0	0.0	1.0	1.0	0.9	0.4	0.5	0.4
130.	*		0.0	0.0	0.9	0.9	1.0	0.5	0.5	0.5
140.	*		0.0	0.0	0.9	1.0	1.0	0.6	0.6	0.6
150.	*		0.0	0.0	0.9	1.0	1.0	0.7	0.7	0.7
160.	*		0.0	0.0	1.1	1.1	1.0	1.0	0.9	0.8
170.	*		0.2	0.0	1.2	1.0	0.8	1.0	0.6	0.3
180.	*		1.1	0.4	0.4	0.3	0.3	0.3	0.1	0.0
190.	*		1.6	1.2	0.1	0.2	0.2	0.0	0.0	0.0
200.	*		1.1	1.0	0.1	0.2	0.2	0.0	0.0	0.0
210.	*		0.7	0.8	0.1	0.2	0.3	0.0	0.0	0.0
220.	*		0.5	0.6	0.2	0.2	0.3	0.0	0.0	0.0
230.	*		0.4	0.5	0.2	0.3	0.3	0.0	0.0	0.0
240.	*		0.4	0.4	0.3	0.4	0.5	0.0	0.0	0.0
250.	*		0.3	0.4	0.4	0.6	0.7	0.0	0.0	0.0
260.	*		0.3	0.3	0.9	1.0	0.8	0.0	0.0	0.0
270.	*		0.5	0.5	1.0	0.8	0.3	0.3	0.2	0.1
280.	*		0.9	0.8	0.5	0.2	0.0	0.7	0.5	0.3
290.	*		1.0	1.0	0.2	0.1	0.0	0.6	0.5	0.5
300.	*		0.9	1.0	0.1	0.0	0.0	0.5	0.4	0.4
310.	*		0.9	1.0	0.1	0.0	0.0	0.4	0.4	0.3
320.	*		0.8	1.1	0.0	0.0	0.0	0.3	0.3	0.3
330.	*		0.8	0.9	0.0	0.0	0.0	0.3	0.3	0.3
340.	*		0.9	0.7	0.0	0.0	0.0	0.2	0.2	0.3
350.	*		1.1	0.8	0.0	0.0	0.0	0.2	0.2	0.2
360.	*		0.8	0.4	0.1	0.0	0.0	0.3	0.2	0.2
MAX	*		1.6	1.2	1.2	1.1	1.0	1.5	1.4	1.3
DEGR.	*		190	190	170	160	130	90	80	80

THE HIGHEST CONCENTRATION OF 2.20 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030centralA- W Flamingo and S. Valley View- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:26:35

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-110.5	* 42.	360. AG	235.	100.0	0.0	14.6	0.96	7.0
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	903.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	138.3	* 14.	180. AG	352.	100.0	0.0	21.9	0.60	2.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	864.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2530.	6.1	0.0	20.7		
6. Link_12	* 152.4	7.6	139.8	7.6	* 13.	270. AG	256.	100.0	0.0	25.6	0.50	2.1
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2942.	6.1	0.0	20.7		
8. Link_4	* -152.4	-7.6	-139.0	-7.6	* 13.	90. AG	219.	100.0	0.0	21.9	0.53	2.2

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
1. Link_2	* 60	37	2.0	1453	1200	35.50	1	3
3. Link_5	* 60	37	2.0	1369	1200	35.50	1	3
6. Link_12	* 60	23	2.0	2315	1200	35.50	1	3
8. Link_4	* 60	23	2.0	2103	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.7	1.0
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.3	0.6
20.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.2	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.5
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.6
70.	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.1	0.8
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.8	0.5	0.4	0.3	0.0	0.0	0.1	1.3
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.2	0.1	0.4	1.4
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.5	0.3	0.6	0.9
110.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.7	0.5
120.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.5	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.3
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.5	0.1	0.1	0.2	0.3	0.4	0.3	0.5	0.2
150.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.5	0.2
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.2	0.3	0.3	0.5	0.2
170.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.5	0.2	0.1	0.0	0.0	0.3	0.3	0.6	0.3
180.	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.9	0.5
190.	0.6	0.6	0.4	0.4	0.3	0.3	0.1	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.9	0.5
200.	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.4
210.	0.4	0.3	0.3	0.3	0.1	0.1	0.3	0.4	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.6	0.4
220.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.2	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.5
230.	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.4
240.	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.6	0.5	0.0	0.0	0.0	0.0	0.5	0.6	0.7	0.4
250.	0.7	0.7	0.6	0.6	0.1	0.1	0.1	0.1	0.8	0.6	0.5	0.3	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.4
260.	0.8	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.2	1.3	0.4
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.5	1.5	0.7
280.	0.1	0.1	0.1	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.4	0.1	0.9	1.2
290.	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.2	0.1	0.5	1.2
300.	0.1	0.1	0.1	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.3	1.1
310.	0.1	0.1	0.1	0.1	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.9
320.	0.2	0.1	0.1	0.1	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.8
330.	0.2	0.3	0.2	0.3	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.7
340.	0.3	0.3	0.2	0.2	0.6	0.5	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.7
350.	0.2	0.1	0.0	0.0	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.3	0.6	0.9
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.7	1.0
MAX	0.8	0.7	0.6	0.6	0.7	0.7	0.6	0.5	0.8	0.7	0.7	0.5	0.8	0.6	0.6	0.5	1.4	1.2	1.5	1.4
DEGR.	260	250	250	250	70	320	300	290	140	160	160	120	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.7	0.5	0.4	0.1	0.1	0.8	0.5	0.4
10.	*		0.5	0.4	0.4	0.2	0.2	0.8	0.8	0.5
20.	*		0.5	0.4	0.4	0.2	0.2	0.8	0.7	0.6
30.	*		0.5	0.4	0.4	0.3	0.1	0.7	0.7	0.5
40.	*		0.6	0.5	0.5	0.2	0.1	0.6	0.5	0.4
50.	*		0.6	0.5	0.4	0.2	0.1	0.6	0.6	0.5
60.	*		0.7	0.6	0.4	0.2	0.1	0.6	0.5	0.4
70.	*		0.9	0.9	0.4	0.2	0.1	0.6	0.8	0.7
80.	*		1.4	0.9	0.4	0.3	0.1	1.1	1.3	1.0
90.	*		1.0	0.2	0.7	0.7	0.1	1.3	1.0	0.4
100.	*		0.3	0.0	1.1	1.0	0.5	0.7	0.3	0.1
110.	*		0.1	0.0	1.2	1.2	0.8	0.5	0.2	0.1
120.	*		0.1	0.0	1.1	1.1	0.9	0.3	0.2	0.1
130.	*		0.1	0.0	0.9	1.0	0.8	0.2	0.2	0.2
140.	*		0.1	0.0	0.8	0.8	0.7	0.2	0.2	0.2
150.	*		0.1	0.0	0.7	0.8	0.7	0.3	0.3	0.2
160.	*		0.0	0.0	0.7	0.7	0.8	0.4	0.4	0.4
170.	*		0.0	0.0	1.0	1.1	1.0	0.8	0.7	0.4
180.	*		0.2	0.1	1.0	0.8	0.6	0.7	0.2	0.1
190.	*		0.3	0.4	0.6	0.5	0.5	0.3	0.0	0.0
200.	*		0.2	0.2	0.4	0.5	0.5	0.1	0.0	0.0
210.	*		0.2	0.1	0.5	0.6	0.5	0.1	0.0	0.0
220.	*		0.2	0.1	0.6	0.6	0.5	0.0	0.0	0.0
230.	*		0.2	0.1	0.6	0.7	0.6	0.1	0.0	0.0
240.	*		0.2	0.1	0.7	0.8	0.7	0.1	0.0	0.0
250.	*		0.2	0.1	0.9	1.1	1.0	0.0	0.0	0.0
260.	*		0.3	0.1	1.5	1.6	1.0	0.1	0.0	0.0
270.	*		0.6	0.1	1.6	1.2	0.3	0.4	0.2	0.0
280.	*		1.1	0.6	1.0	0.3	0.0	0.7	0.5	0.3
290.	*		1.2	0.9	0.6	0.1	0.0	0.8	0.6	0.5
300.	*		1.0	0.9	0.4	0.1	0.0	0.7	0.5	0.5
310.	*		0.9	0.8	0.2	0.1	0.0	0.7	0.5	0.4
320.	*		0.8	0.6	0.2	0.1	0.0	0.6	0.4	0.4
330.	*		0.7	0.6	0.3	0.1	0.0	0.6	0.4	0.4
340.	*		0.7	0.6	0.3	0.0	0.0	0.5	0.4	0.4
350.	*		1.0	0.8	0.3	0.0	0.0	0.5	0.4	0.3
360.	*		0.7	0.5	0.4	0.1	0.1	0.8	0.5	0.4
MAX	*		1.4	0.9	1.6	1.6	1.0	1.3	1.3	1.0
DEGR.	*		80	70	270	260	170	90	80	80

THE HIGHEST CONCENTRATION OF 1.60 PPM OCCURRED AT RECEPTOR REC24.

JOB: 2030centralA- W Flamingo and S. Valley View- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:26:53

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-110.5	* 42.	360. AG	235.	100.0	0.0	14.6	0.96	7.0
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	903.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	138.3	* 14.	180. AG	352.	100.0	0.0	21.9	0.60	2.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	864.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2547.	6.1	0.0	20.7		
6. Link_12	* 152.4	7.6	139.6	7.6	* 13.	270. AG	256.	100.0	0.0	25.6	0.50	2.1
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2964.	6.1	0.0	20.7		
8. Link_4	* -152.4	-7.6	-138.9	-7.6	* 14.	90. AG	219.	100.0	0.0	21.9	0.53	2.3

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
1. Link_2	* 60	37	2.0	1453	1200	35.50	1	3
3. Link_5	* 60	37	2.0	1369	1200	35.50	1	3
6. Link_12	* 60	23	2.0	2337	1200	35.50	1	3
8. Link_4	* 60	23	2.0	2120	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.7	1.0
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.3	0.6
20.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.2	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.5
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.1	0.6
70.	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.1	0.8
80.	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.8	0.6	0.4	0.3	0.0	0.0	0.1	1.3
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.2	0.1	0.4	1.4
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.5	0.3	0.6	0.9
110.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.6	0.5	0.7	0.5
120.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.5	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.5	0.1	0.1	0.2	0.3	0.4	0.3	0.5	0.2
150.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.5	0.2
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.2	0.3	0.3	0.5	0.2
170.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.5	0.2	0.1	0.0	0.0	0.3	0.3	0.6	0.3
180.	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.9	0.5
190.	0.6	0.6	0.4	0.4	0.3	0.3	0.1	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.9	0.5
200.	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.4
210.	0.4	0.3	0.3	0.3	0.1	0.1	0.3	0.4	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.6	0.4
220.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.2	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.5
230.	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.4
240.	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.6	0.5	0.0	0.0	0.0	0.0	0.6	0.6	0.7	0.4
250.	0.7	0.7	0.6	0.6	0.1	0.1	0.1	0.1	0.8	0.7	0.5	0.3	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.4
260.	0.8	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.2	1.3	0.4
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.5	1.5	0.7
280.	0.1	0.1	0.1	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.4	0.1	0.9	1.2
290.	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.2	0.1	0.5	1.2
300.	0.1	0.1	0.1	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.3	1.1
310.	0.1	0.1	0.1	0.1	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.9
320.	0.2	0.1	0.1	0.1	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.8
330.	0.2	0.3	0.2	0.3	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.7
340.	0.3	0.3	0.2	0.2	0.6	0.5	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.7
350.	0.2	0.1	0.0	0.0	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.3	0.6	0.9
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.7	1.0
MAX	0.8	0.7	0.6	0.6	0.7	0.7	0.6	0.5	0.8	0.7	0.7	0.5	0.8	0.6	0.6	0.5	1.4	1.2	1.5	1.4
DEGR.	260	250	250	250	70	320	300	290	140	160	160	120	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.7	0.5	0.4	0.1	0.1	0.8	0.5	0.5	
10.	*	0.5	0.4	0.4	0.2	0.2	0.8	0.8	0.5	
20.	*	0.5	0.4	0.4	0.2	0.2	0.8	0.7	0.6	
30.	*	0.5	0.4	0.4	0.3	0.1	0.7	0.7	0.5	
40.	*	0.6	0.5	0.5	0.2	0.1	0.6	0.5	0.4	
50.	*	0.6	0.5	0.4	0.2	0.1	0.6	0.6	0.5	
60.	*	0.7	0.6	0.4	0.2	0.1	0.6	0.5	0.4	
70.	*	1.0	0.9	0.4	0.2	0.1	0.6	0.8	0.7	
80.	*	1.4	0.9	0.4	0.3	0.1	1.1	1.3	1.0	
90.	*	1.0	0.3	0.8	0.7	0.1	1.3	1.0	0.4	
100.	*	0.3	0.0	1.2	1.0	0.5	0.7	0.3	0.1	
110.	*	0.1	0.0	1.2	1.2	0.8	0.5	0.2	0.1	
120.	*	0.1	0.0	1.1	1.1	0.9	0.3	0.2	0.1	
130.	*	0.1	0.0	0.9	1.0	0.8	0.2	0.2	0.2	
140.	*	0.1	0.0	0.8	0.8	0.7	0.2	0.2	0.2	
150.	*	0.1	0.0	0.7	0.8	0.7	0.3	0.3	0.2	
160.	*	0.0	0.0	0.7	0.8	0.8	0.4	0.4	0.4	
170.	*	0.0	0.0	1.0	1.1	1.0	0.8	0.7	0.4	
180.	*	0.2	0.1	1.0	0.8	0.6	0.7	0.2	0.1	
190.	*	0.3	0.4	0.6	0.5	0.5	0.3	0.0	0.0	
200.	*	0.2	0.2	0.4	0.5	0.5	0.1	0.0	0.0	
210.	*	0.2	0.1	0.5	0.6	0.5	0.1	0.0	0.0	
220.	*	0.2	0.1	0.6	0.6	0.6	0.0	0.0	0.0	
230.	*	0.2	0.1	0.6	0.7	0.6	0.1	0.0	0.0	
240.	*	0.2	0.1	0.8	0.9	0.7	0.1	0.0	0.0	
250.	*	0.2	0.1	0.9	1.1	1.0	0.0	0.0	0.0	
260.	*	0.3	0.1	1.5	1.6	1.0	0.1	0.0	0.0	
270.	*	0.6	0.1	1.6	1.2	0.3	0.4	0.2	0.0	
280.	*	1.1	0.6	1.0	0.3	0.0	0.7	0.5	0.3	
290.	*	1.2	0.9	0.6	0.1	0.0	0.8	0.6	0.5	
300.	*	1.1	0.9	0.4	0.1	0.0	0.7	0.6	0.5	
310.	*	0.9	0.8	0.2	0.1	0.0	0.7	0.5	0.4	
320.	*	0.8	0.6	0.2	0.1	0.0	0.6	0.4	0.4	
330.	*	0.7	0.6	0.3	0.1	0.0	0.6	0.4	0.4	
340.	*	0.7	0.6	0.3	0.0	0.0	0.5	0.4	0.4	
350.	*	1.0	0.8	0.3	0.0	0.0	0.5	0.4	0.3	
360.	*	0.7	0.5	0.4	0.1	0.1	0.8	0.5	0.5	
MAX	*	1.4	0.9	1.6	1.6	1.0	1.3	1.3	1.0	
DEGR.	*	80	70	270	260	170	90	80	80	

THE HIGHEST CONCENTRATION OF 1.60 PPM OCCURRED AT RECEPTOR REC24.

JOB: 2013lvcentralA- W. Flamingo and Hotel Rio Dr- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:27: 9

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-137.2	* 15.	360.	AG	273.	100.0	0.0	14.6	0.72	2.5
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360.	AG	433.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	11.6	* 141.	180.	AG	273.	100.0	0.0	14.6	1.12	23.5
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180.	AG	1023.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90.	AG	2340.	6.1	0.0	20.7		
6. Link_12	* 152.4	7.6	136.2	7.6	* 16.	270.	AG	135.	100.0	0.0	18.3	0.73	2.7
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270.	AG	3146.	6.1	0.0	20.7		
8. Link_4	* -152.4	-7.6	-140.1	-7.6	* 12.	90.	AG	135.	100.0	0.0	18.3	0.56	2.0

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
1. Link_2	* 60	43	2.0	749	1200	35.50	1	3
3. Link_5	* 60	43	2.0	1164	1200	35.50	1	3
6. Link_12	* 60	17	2.0	2857	1200	35.50	1	3
8. Link_4	* 60	17	2.0	2172	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.2	0.0	0.5	0.8
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.7	0.3	0.1	0.0	1.3	1.0	0.8	0.7	0.0	0.0	0.2	0.4
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	1.1	0.8	0.6	0.3	1.3	1.2	1.2	1.0	0.0	0.0	0.1	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.0	0.9	0.7	0.6	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.9	0.8	0.6	0.5	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.7	0.6	0.6	0.5	0.2	0.3	0.3	0.2	0.0	0.0	0.0	0.5
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.4	0.7	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.6
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.3	0.2	0.6	0.6	0.5	0.4	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.7
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.6	0.5	0.5	0.5	0.7	0.5	0.4	0.3	0.0	0.0	0.0	1.2
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.2	0.2	0.1	0.1	0.0	0.0	0.3	1.3
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.6	0.1	0.1	0.1	0.1	0.3	0.3	0.6	0.8
110.	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	1.1	1.0	0.8	0.8	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.4
120.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	0.9	0.9	0.9	0.1	0.1	0.1	0.1	0.4	0.4	0.5	0.3
130.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.0	0.9	0.7	0.7	0.1	0.1	0.1	0.1	0.4	0.3	0.5	0.2
140.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.9	0.7	0.7	0.6	0.2	0.2	0.1	0.1	0.3	0.3	0.4	0.2
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.2	0.2	0.3	0.2	0.3	0.3	0.4	0.2
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.3	0.3	0.2	0.1	0.3	0.3	0.4	0.2
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.4	0.3	0.1	0.0	0.0	0.3	0.3	0.4	0.2
180.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.3
190.	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.7	0.4
200.	0.5	0.3	0.3	0.3	0.1	0.2	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.5
210.	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.2	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.4
220.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.4
230.	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.5
240.	0.6	0.7	0.7	0.7	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.6	0.6	0.5
250.	1.2	1.1	1.0	0.9	0.1	0.1	0.1	0.1	0.7	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.9	1.1	0.7	0.5
260.	1.4	1.1	0.8	0.7	0.1	0.1	0.1	0.1	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.3	0.4
270.	0.8	0.6	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.0	1.8	0.7
280.	0.6	0.5	0.4	0.4	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.6	1.4	1.3
290.	0.6	0.5	0.4	0.4	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.7	0.6	1.0	1.2
300.	0.6	0.6	0.4	0.4	0.8	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.7	0.6	0.9	1.2
310.	0.7	0.6	0.6	0.5	0.9	0.9	0.7	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.7	0.7	0.8	1.0
320.	0.7	0.6	0.6	0.6	0.9	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.8	0.7	0.9	1.2
330.	0.8	0.7	0.6	0.5	1.2	1.0	0.9	0.9	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.9	0.8	1.0	1.3
340.	0.7	0.5	0.3	0.1	1.1	1.1	1.0	0.9	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.1	0.9	1.3	1.6
350.	0.2	0.0	0.0	0.0	0.8	0.7	0.6	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.8	0.4	1.3	1.6
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.2	0.0	0.5	0.8
MAX	1.4	1.1	1.0	0.9	1.2	1.1	1.0	0.9	1.1	1.0	0.9	0.9	1.3	1.2	1.2	1.0	1.6	1.6	1.8	1.6
DEGR.	260	250	250	250	330	340	340	330	20	110	120	120	20	20	20	20	260	260	270	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.5	3.2	1.1	0.3	2.6	1.5	0.9	
10.	*	0.4	0.4	2.9	2.2	1.2	2.1	2.1	1.8	
20.	*	0.4	0.4	1.8	1.8	1.3	1.1	1.2	1.3	
30.	*	0.5	0.4	1.5	1.5	1.1	0.7	0.8	0.8	
40.	*	0.5	0.4	1.3	1.3	1.0	0.6	0.5	0.5	
50.	*	0.6	0.5	1.1	1.2	0.9	0.6	0.5	0.4	
60.	*	0.7	0.6	1.0	1.1	0.8	0.5	0.5	0.5	
70.	*	0.9	0.7	0.9	1.0	0.8	0.7	0.7	0.7	
80.	*	1.3	0.7	0.8	1.1	0.7	1.1	1.1	1.0	
90.	*	0.9	0.2	0.8	1.4	0.7	1.3	0.9	0.5	
100.	*	0.3	0.0	1.2	1.8	1.1	0.8	0.3	0.2	
110.	*	0.1	0.0	1.2	1.8	1.5	0.4	0.2	0.2	
120.	*	0.1	0.0	1.1	1.5	1.4	0.3	0.2	0.2	
130.	*	0.1	0.0	1.0	1.2	1.1	0.2	0.2	0.2	
140.	*	0.1	0.0	0.9	1.0	1.0	0.2	0.2	0.2	
150.	*	0.0	0.0	0.9	1.0	0.7	0.3	0.3	0.2	
160.	*	0.0	0.0	0.7	1.0	0.7	0.4	0.4	0.4	
170.	*	0.0	0.0	0.9	1.1	0.9	0.7	0.6	0.4	
180.	*	0.1	0.1	1.0	0.9	0.6	0.7	0.2	0.1	
190.	*	0.2	0.2	0.7	0.6	0.5	0.4	0.0	0.0	
200.	*	0.2	0.2	0.5	0.6	0.5	0.2	0.0	0.0	
210.	*	0.2	0.2	0.5	0.6	0.5	0.1	0.0	0.0	
220.	*	0.3	0.1	0.6	0.7	0.6	0.1	0.0	0.0	
230.	*	0.2	0.1	0.7	0.8	0.7	0.1	0.0	0.0	
240.	*	0.2	0.1	0.9	0.9	0.8	0.1	0.0	0.0	
250.	*	0.2	0.1	1.1	1.2	0.9	0.1	0.0	0.0	
260.	*	0.3	0.1	1.6	1.6	0.9	0.1	0.0	0.0	
270.	*	0.5	0.1	1.7	1.2	0.3	0.3	0.1	0.0	
280.	*	1.0	0.5	1.1	0.3	0.0	0.9	0.5	0.2	
290.	*	1.2	0.9	0.7	0.1	0.0	0.8	0.7	0.6	
300.	*	1.1	0.9	0.6	0.1	0.0	0.8	0.6	0.5	
310.	*	1.0	0.9	0.4	0.1	0.0	0.7	0.5	0.5	
320.	*	1.2	0.9	0.4	0.1	0.0	0.7	0.5	0.4	
330.	*	1.5	1.3	0.7	0.1	0.0	0.6	0.5	0.4	
340.	*	1.4	1.3	1.1	0.0	0.0	0.7	0.4	0.4	
350.	*	1.4	1.1	1.9	0.1	0.0	1.3	0.5	0.4	
360.	*	0.6	0.5	3.2	1.1	0.3	2.6	1.5	0.9	
MAX	*	1.5	1.3	3.2	2.2	1.5	2.6	2.1	1.8	
DEGR.	*	330	330	0	10	110	0	10	10	

THE HIGHEST CONCENTRATION OF 3.20 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030centralA- W. Flamingo and Hotel Rio Dr- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:27:27

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-137.5	* 15.	360. AG	267.	100.0	0.0	14.6	0.70	2.5
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	466.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	-119.6	* 272.	180. AG	267.	100.0	0.0	14.6	1.26	45.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1217.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2362.	6.1	0.0	20.7		
6. Link_12	* 152.4	7.6	132.5	7.6	* 20.	270. AG	143.	100.0	0.0	18.3	0.79	3.3
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	3325.	6.1	0.0	20.7		
8. Link_4	* -152.4	-7.6	-139.3	-7.6	* 13.	90. AG	143.	100.0	0.0	18.3	0.57	2.2

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
1. Link_2	* 60	42	2.0	782	1200	35.50	1	3
3. Link_5	* 60	42	2.0	1410	1200	35.50	1	3
6. Link_12	* 60	18	2.0	2990	1200	35.50	1	3
8. Link_4	* 60	18	2.0	2188	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.6	0.4	0.3	0.3	0.2	0.0	0.5	0.9
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.7	0.3	0.1	0.0	1.4	1.0	0.8	0.7	0.0	0.0	0.2	0.4
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	1.1	0.8	0.6	0.3	1.5	1.4	1.2	1.1	0.0	0.0	0.1	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.9	0.8	0.7	0.6	1.3	1.1	1.1	1.0	0.0	0.0	0.0	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.8	0.8	0.7	0.5	1.1	1.1	0.9	0.8	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.7	0.7	0.5	0.5	0.9	1.0	0.8	0.7	0.0	0.0	0.0	0.5
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.4	0.6	0.5	0.5	0.4	1.1	0.9	0.9	0.8	0.0	0.0	0.0	0.6
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.2	0.6	0.6	0.5	0.4	1.3	1.3	1.0	0.9	0.0	0.0	0.0	0.7
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.6	0.5	0.5	0.4	1.4	1.0	0.9	0.7	0.0	0.0	0.0	1.2
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.9	0.7	0.6	0.5	0.1	0.0	0.3	1.3
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.5	0.8	0.6	0.6	0.5	0.5	0.3	0.6	0.8
110.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	1.1	1.0	0.8	0.7	0.8	0.8	0.6	0.5	0.5	0.4	0.6	0.5
120.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.2	0.9	0.9	0.8	0.8	0.6	0.6	0.5	0.4	0.4	0.5	0.3
130.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.3	1.2	1.0	0.9	0.8	0.8	0.7	0.6	0.4	0.4	0.5	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.5	1.3	1.2	1.1	0.9	0.9	0.8	0.7	0.4	0.3	0.4	0.2
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.5	1.4	1.3	1.2	1.0	0.9	0.9	0.7	0.3	0.3	0.4	0.2
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.8	1.5	1.4	1.3	1.3	0.9	0.6	0.2	0.3	0.3	0.5	0.2
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.6	1.3	0.9	0.7	0.7	0.2	0.0	0.0	0.3	0.3	0.4	0.2
180.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.9	0.5
190.	0.7	0.5	0.4	0.4	0.1	0.1	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.1	1.0	1.6	1.3
200.	1.2	1.1	0.9	0.7	0.5	0.4	0.2	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.6	1.3	1.8	1.6
210.	1.0	1.0	0.9	0.8	0.8	0.7	0.3	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.3	1.1	1.4	1.3
220.	1.0	0.7	0.7	0.7	0.8	0.7	0.6	0.4	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.2	1.1	1.3	1.3
230.	0.9	0.9	0.9	0.7	0.7	0.6	0.6	0.5	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.0	1.0	1.2	1.2
240.	1.1	1.0	0.9	0.8	0.6	0.5	0.5	0.5	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	1.1	1.0	1.3	1.2
250.	1.3	1.2	1.1	1.0	0.6	0.5	0.5	0.5	0.8	0.7	0.5	0.3	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.2
260.	1.4	1.1	0.9	0.7	0.6	0.5	0.5	0.5	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.9	1.7	1.9	1.1
270.	0.8	0.6	0.4	0.4	0.6	0.5	0.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.1	2.3	1.4
280.	0.6	0.5	0.5	0.4	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.8	0.6	1.5	2.0
290.	0.6	0.5	0.5	0.4	1.2	1.0	1.0	0.9	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.7	0.6	1.1	2.1
300.	0.6	0.5	0.5	0.4	1.3	1.1	1.0	0.9	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.7	0.6	0.9	1.9
310.	0.6	0.6	0.6	0.5	1.3	1.3	1.1	1.0	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.7	0.7	0.8	1.6
320.	0.7	0.6	0.6	0.6	1.2	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8	0.7	0.9	1.6
330.	0.7	0.7	0.6	0.4	1.3	1.0	1.0	0.9	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.9	0.8	1.0	1.5
340.	0.7	0.5	0.3	0.1	1.1	1.1	1.0	0.9	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	1.1	0.8	1.3	1.6
350.	0.2	0.0	0.0	0.0	0.8	0.7	0.6	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.8	0.4	1.3	1.6
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.6	0.4	0.3	0.3	0.2	0.0	0.5	0.9
MAX	1.4	1.2	1.1	1.0	1.3	1.3	1.1	1.0	1.8	1.5	1.4	1.3	1.5	1.4	1.2	1.1	1.9	1.7	2.3	2.1
DEGR.	260	250	250	250	310	310	310	310	160	160	160	160	20	20	20	20	260	260	270	290

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.5	3.2	1.1	0.3	3.7	1.6	0.9	
10.	*	0.4	0.4	2.9	2.2	1.2	3.3	2.8	1.9	
20.	*	0.4	0.4	1.9	1.8	1.3	2.3	2.4	1.7	
30.	*	0.5	0.4	1.6	1.5	1.1	2.0	1.9	1.6	
40.	*	0.5	0.4	1.4	1.3	1.0	1.6	1.7	1.4	
50.	*	0.6	0.5	1.3	1.1	0.9	1.4	1.5	1.2	
60.	*	0.7	0.6	1.3	1.1	0.9	1.3	1.4	1.3	
70.	*	0.9	0.8	1.2	1.0	0.8	1.4	1.5	1.4	
80.	*	1.3	0.8	1.2	1.1	0.8	1.9	2.0	1.8	
90.	*	0.9	0.2	1.5	1.5	0.8	2.0	1.7	1.2	
100.	*	0.3	0.0	1.8	1.9	1.2	1.5	1.1	0.9	
110.	*	0.1	0.0	1.9	1.9	1.6	1.1	1.0	0.9	
120.	*	0.1	0.0	1.9	1.9	1.6	1.1	1.1	1.0	
130.	*	0.1	0.0	1.7	1.9	1.6	1.0	1.2	1.0	
140.	*	0.1	0.0	1.7	2.0	1.8	1.2	1.4	1.1	
150.	*	0.0	0.0	2.1	2.2	1.9	1.7	1.7	1.3	
160.	*	0.0	0.0	2.4	2.6	2.0	2.1	2.1	1.6	
170.	*	0.0	0.0	3.6	3.3	2.3	3.2	2.6	1.3	
180.	*	0.1	0.1	4.0	2.0	1.0	3.5	1.2	0.3	
190.	*	0.7	0.3	2.3	0.7	0.5	1.9	0.1	0.0	
200.	*	1.0	0.8	1.4	0.6	0.5	1.0	0.0	0.0	
210.	*	1.0	0.9	0.9	0.6	0.6	0.5	0.0	0.0	
220.	*	1.0	0.8	0.9	0.7	0.6	0.4	0.0	0.0	
230.	*	0.9	0.8	1.0	0.8	0.7	0.4	0.0	0.0	
240.	*	0.9	0.6	1.1	1.0	0.8	0.4	0.0	0.0	
250.	*	0.9	0.6	1.2	1.2	1.0	0.3	0.0	0.0	
260.	*	0.9	0.6	1.9	1.7	1.0	0.4	0.0	0.0	
270.	*	1.1	0.7	2.1	1.3	0.3	0.6	0.1	0.0	
280.	*	1.6	1.1	1.5	0.4	0.0	1.2	0.5	0.3	
290.	*	1.9	1.4	0.8	0.1	0.0	1.2	0.7	0.6	
300.	*	1.7	1.5	0.7	0.1	0.0	1.1	0.6	0.6	
310.	*	1.6	1.5	0.5	0.1	0.0	1.0	0.5	0.5	
320.	*	1.5	1.2	0.5	0.1	0.0	1.0	0.5	0.4	
330.	*	1.6	1.3	0.7	0.1	0.0	1.0	0.5	0.4	
340.	*	1.4	1.3	1.1	0.0	0.0	1.5	0.5	0.4	
350.	*	1.4	1.1	1.9	0.1	0.0	2.3	0.5	0.4	
360.	*	0.6	0.5	3.2	1.1	0.3	3.7	1.6	0.9	
MAX	*	1.9	1.5	4.0	3.3	2.3	3.7	2.8	1.9	
DEGR.	*	290	300	180	170	170	0	10	10	

THE HIGHEST CONCENTRATION OF 4.00 PPM OCCURRED AT RECEPTOR REC23.

Central Station “B” Alternative- No Project Output-2013

JOB: 2013centralB- W. Flamingo Rd and Hotel Rio Dr- No project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 21: 6:39

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-132.0	* 20.	360. AG	382.	100.0	0.0	14.6	0.88	3.4
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	363.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	134.3	* 18.	180. AG	382.	100.0	0.0	14.6	0.84	3.0
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	594.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2392.	7.6	0.0	20.7		
6. Link_12	* 152.4	7.6	141.7	7.6	* 11.	270. AG	132.	100.0	0.0	18.3	0.58	1.8
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2679.	7.6	0.0	20.7		
8. Link_4	* -152.4	-7.6	-142.2	-7.6	* 10.	90. AG	132.	100.0	0.0	18.3	0.55	1.7

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
1. Link_2	* 60	47	2.0	635	1200	45.50	1	3
3. Link_5	* 60	47	2.0	609	1200	45.50	1	3
6. Link_12	* 60	13	2.0	2479	1200	45.50	1	3
8. Link_4	* 60	13	2.0	2365	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.1	0.0	0.4	0.7
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.2	0.5
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.1	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.1	0.4
30.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.0	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.5
40.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.6
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.1	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.6
60.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.8
70.	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.9
80.	0.0	0.0	0.0	0.0	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.4	0.0	0.0	0.0	1.4
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.1	0.1	0.0	0.2	1.6
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.2	0.7	1.0
110.	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.6	0.5	0.8	0.6
120.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.7	0.4
130.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.6	0.6	0.5	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.5	0.1	0.1	0.1	0.2	0.4	0.4	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.5	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.3
160.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.6	0.6	0.6	0.4	0.3	0.3	0.2	0.4	0.4	0.5	0.3
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.5	0.2	0.1	0.0	0.0	0.4	0.3	0.5	0.3
180.	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.7	0.5
190.	0.5	0.4	0.4	0.4	0.2	0.2	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.8	0.5
200.	0.4	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.7	0.5	0.7	0.4
210.	0.4	0.4	0.4	0.4	0.1	0.1	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.4
220.	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4
230.	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4
240.	0.6	0.6	0.4	0.4	0.1	0.1	0.1	0.1	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.4
250.	0.8	0.8	0.6	0.6	0.1	0.1	0.1	0.1	0.8	0.6	0.5	0.3	0.0	0.0	0.0	0.0	0.8	0.9	0.7	0.4
260.	0.9	0.7	0.4	0.3	0.1	0.1	0.1	0.1	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.2	1.3	0.4
270.	0.3	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.6	1.7	0.8
280.	0.1	0.1	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.9	1.4
290.	0.1	0.1	0.0	0.0	0.8	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.5	0.3	0.2	0.1	0.1	0.1	0.4	1.4
300.	0.1	0.1	0.0	0.0	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.2	1.3
310.	0.1	0.1	0.1	0.1	0.8	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	1.0
320.	0.1	0.1	0.1	0.2	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.1	0.1	0.1	0.9
330.	0.1	0.2	0.3	0.3	0.7	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.7
340.	0.3	0.3	0.2	0.1	0.5	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.6
350.	0.2	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.3	0.5	0.7
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.1	0.0	0.4	0.7
MAX	0.9	0.8	0.6	0.6	0.8	0.8	0.6	0.6	0.8	0.6	0.6	0.6	0.8	0.7	0.6	0.6	1.4	1.2	1.7	1.6
DEGR.	260	250	250	250	290	300	290	300	130	130	130	160	70	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.5	0.5	0.2	0.1	0.7	0.5	0.5	
10.	*	0.5	0.5	0.5	0.2	0.2	0.7	0.6	0.6	
20.	*	0.5	0.5	0.3	0.1	0.1	0.6	0.6	0.5	
30.	*	0.6	0.5	0.3	0.2	0.1	0.6	0.5	0.6	
40.	*	0.7	0.6	0.5	0.2	0.1	0.6	0.6	0.5	
50.	*	0.7	0.6	0.5	0.2	0.1	0.5	0.5	0.4	
60.	*	0.9	0.7	0.5	0.2	0.1	0.5	0.5	0.5	
70.	*	1.1	0.9	0.5	0.2	0.1	0.7	0.8	0.8	
80.	*	1.5	0.9	0.5	0.3	0.1	1.2	1.2	1.1	
90.	*	1.2	0.3	0.7	0.7	0.1	1.5	1.0	0.5	
100.	*	0.3	0.0	1.3	1.2	0.6	0.8	0.3	0.1	
110.	*	0.1	0.0	1.4	1.3	1.0	0.4	0.1	0.1	
120.	*	0.1	0.0	1.2	1.1	0.9	0.2	0.1	0.1	
130.	*	0.1	0.0	1.0	1.1	0.9	0.1	0.2	0.1	
140.	*	0.1	0.0	0.9	0.9	0.8	0.2	0.2	0.1	
150.	*	0.1	0.0	0.8	0.9	0.8	0.2	0.2	0.2	
160.	*	0.0	0.0	0.7	0.8	0.7	0.3	0.4	0.3	
170.	*	0.0	0.0	0.9	1.1	0.8	0.6	0.5	0.4	
180.	*	0.2	0.1	1.0	0.9	0.6	0.6	0.2	0.1	
190.	*	0.2	0.3	0.6	0.6	0.5	0.3	0.0	0.0	
200.	*	0.2	0.1	0.5	0.6	0.5	0.1	0.0	0.0	
210.	*	0.2	0.1	0.5	0.6	0.6	0.1	0.0	0.0	
220.	*	0.2	0.1	0.6	0.7	0.6	0.0	0.0	0.0	
230.	*	0.2	0.1	0.7	0.8	0.7	0.1	0.0	0.0	
240.	*	0.2	0.1	0.8	1.0	0.8	0.0	0.0	0.0	
250.	*	0.2	0.1	1.0	1.2	1.0	0.0	0.0	0.0	
260.	*	0.3	0.1	1.6	1.7	1.0	0.0	0.0	0.0	
270.	*	0.6	0.2	1.8	1.3	0.3	0.2	0.1	0.0	
280.	*	1.1	0.7	1.2	0.4	0.0	0.8	0.5	0.3	
290.	*	1.4	0.9	0.6	0.1	0.0	0.9	0.7	0.6	
300.	*	1.2	1.1	0.4	0.1	0.0	0.7	0.6	0.6	
310.	*	1.1	0.9	0.2	0.1	0.0	0.6	0.5	0.5	
320.	*	0.9	0.7	0.2	0.1	0.0	0.6	0.5	0.4	
330.	*	0.9	0.7	0.3	0.1	0.0	0.6	0.5	0.4	
340.	*	0.7	0.6	0.3	0.0	0.0	0.6	0.5	0.4	
350.	*	0.8	0.7	0.3	0.0	0.0	0.6	0.4	0.4	
360.	*	0.6	0.5	0.5	0.2	0.1	0.7	0.5	0.5	
MAX	*	1.5	1.1	1.8	1.7	1.0	1.5	1.2	1.1	
DEGR.	*	80	300	270	260	110	90	80	80	

THE HIGHEST CONCENTRATION OF 1.80 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013centralB- Hotel Rio Dr and Dean Martin Dr- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 21:13:53

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-134.5	* 18.	360. AG	73.	100.0	0.0	7.3	0.76	3.0
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1069.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	141.0	* 11.	180. AG	110.	100.0	0.0	11.0	0.50	1.9
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	913.	7.6	0.0	13.4		
5. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	685.	7.6	0.0	9.7		
6. Link_4	* -152.4	-7.6	-143.6	-7.6	* 9.	90. AG	256.	100.0	0.0	11.0	0.45	1.5

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
1. Link_2	* 60	18	2.0	1150	1200	45.50	1	3
3. Link_5	* 60	18	2.0	1137	1200	45.50	1	3
6. Link_4	* 60	42	2.0	380	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z	*
1. Rcpt_1	* 29.0	29.0	1.8	*
2. Rcpt_2	* 35.1	35.1	1.8	*
3. Rcpt_3	* 41.1	41.1	1.8	*
4. Rcpt_4	* 47.2	47.2	1.8	*
5. Rcpt_5	* 29.0	-29.0	1.8	*
6. Rcpt_6	* 32.0	-32.0	1.8	*
7. Rcpt_7	* 41.1	-41.1	1.8	*

8. Rcpt_8	*	47.2	-47.2	1.8	*
9. Rcpt_9	*	-29.0	29.0	1.8	*
10. Rcpt_10	*	-35.1	35.1	1.8	*
11. Rcpt_11	*	-41.1	41.1	1.8	*
12. Rcpt_12	*	-47.2	47.2	1.8	*
13. Rcpt_13	*	-29.0	-29.0	1.8	*
14. Rcpt_14	*	-35.1	-35.1	1.8	*
15. Rcpt_15	*	-41.1	-41.1	1.8	*
16. Rcpt_16	*	-47.2	-47.2	1.8	*
17. Rcpt_17	*	16.8	16.8	1.8	*
18. Rcpt_18	*	22.9	22.9	1.8	*
19. Rcpt_19	*	10.7	10.7	1.8	*
20. Rcpt_20	*	10.7	-10.7	1.8	*
21. Rcpt_21	*	16.8	-16.8	1.8	*
22. Rcpt_22	*	22.9	-22.9	1.8	*
23. Rcpt_23	*	-10.7	10.7	1.8	*
24. Rcpt_24	*	-16.8	16.8	1.8	*
25. Rcpt_25	*	-22.9	22.9	1.8	*
26. Rcpt_26	*	-10.7	-10.7	1.8	*
27. Rcpt_27	*	-16.8	-16.8	1.8	*
28. Rcpt_28	*	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	0.9	0.7
10.	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	0.2	0.2	0.2	0.1	0.0	0.0	0.5	0.3
20.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.2	0.1
30.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.0	
40.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.0	
50.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.0	
60.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0	
70.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0	
80.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	
110.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.1	0.0	
120.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.1	0.0	
130.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.0	
140.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.0	
150.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.0	
160.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.2	0.0	
170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.0	
180.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	
190.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.1	0.5	0.3	
200.	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.2	0.6	0.3	
210.	0.3	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.2	
220.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.5	0.2	
230.	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.2	
240.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.2	
250.	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.2	
260.	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.2	
270.	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.7	0.2	
280.	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.3	0.4	
290.	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	
300.	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.3	
310.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.1	
320.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	
330.	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.2	
340.	0.3	0.2	0.2	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.5	0.3	
350.	0.2	0.1	0.0	0.0	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.4	0.8	0.6	
360.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	0.9	0.7	
MAX	0.4	0.4	0.3	0.2	0.3	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.6	0.4	0.9	0.7	
DEGR.	250	250	230	220	340	340	290	290	160	150	150	160	30	20	20	20	350	250	0	0	

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.3	0.1	0.1	0.0	0.0	0.4	0.1	0.1	
10.	*	0.0	0.0	0.3	0.2	0.1	0.6	0.4	0.3	
20.	*	0.0	0.0	0.3	0.3	0.2	0.6	0.5	0.3	
30.	*	0.0	0.0	0.3	0.2	0.2	0.6	0.5	0.4	
40.	*	0.0	0.0	0.2	0.2	0.2	0.4	0.4	0.4	
50.	*	0.0	0.0	0.2	0.2	0.2	0.4	0.3	0.3	
60.	*	0.0	0.0	0.2	0.2	0.2	0.3	0.3	0.2	
70.	*	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	
80.	*	0.0	0.0	0.4	0.2	0.2	0.2	0.2	0.2	
90.	*	0.0	0.0	0.4	0.2	0.1	0.2	0.2	0.2	
100.	*	0.0	0.0	0.4	0.2	0.1	0.2	0.2	0.2	
110.	*	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.2	
120.	*	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	
130.	*	0.0	0.0	0.2	0.3	0.2	0.2	0.2	0.2	
140.	*	0.0	0.0	0.2	0.3	0.2	0.3	0.3	0.2	
150.	*	0.0	0.0	0.3	0.3	0.3	0.4	0.3	0.3	
160.	*	0.0	0.0	0.4	0.5	0.4	0.4	0.4	0.3	
170.	*	0.0	0.0	0.7	0.6	0.5	0.7	0.5	0.3	
180.	*	0.0	0.0	0.8	0.5	0.2	0.8	0.3	0.1	
190.	*	0.2	0.1	0.4	0.1	0.1	0.4	0.0	0.0	
200.	*	0.2	0.2	0.2	0.2	0.1	0.2	0.0	0.0	
210.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
220.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
230.	*	0.2	0.1	0.2	0.2	0.2	0.1	0.0	0.0	
240.	*	0.1	0.1	0.3	0.2	0.2	0.1	0.0	0.0	
250.	*	0.2	0.1	0.4	0.3	0.2	0.1	0.0	0.0	
260.	*	0.1	0.1	0.6	0.4	0.2	0.1	0.0	0.0	
270.	*	0.1	0.1	0.7	0.2	0.1	0.2	0.0	0.0	
280.	*	0.2	0.2	0.3	0.0	0.0	0.3	0.1	0.2	
290.	*	0.3	0.3	0.1	0.0	0.0	0.3	0.2	0.1	
300.	*	0.2	0.2	0.1	0.0	0.0	0.3	0.1	0.1	
310.	*	0.1	0.2	0.0	0.0	0.0	0.2	0.1	0.1	
320.	*	0.2	0.2	0.0	0.0	0.0	0.2	0.1	0.1	
330.	*	0.2	0.2	0.0	0.0	0.0	0.2	0.1	0.1	
340.	*	0.3	0.3	0.0	0.0	0.0	0.3	0.1	0.1	
350.	*	0.6	0.4	0.0	0.0	0.0	0.3	0.1	0.1	
360.	*	0.3	0.1	0.1	0.0	0.0	0.4	0.1	0.1	
MAX	*	0.6	0.4	0.8	0.6	0.5	0.8	0.5	0.4	
DEGR.	*	350	350	180	170	170	180	20	30	

THE HIGHEST CONCENTRATION OF 0.90 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013centralB- W. Tropicana and Dean martin Dr- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 21:16:25

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-139.0	* 13.	360. AG	358.	100.0	0.0	14.6	0.69	2.2
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	669.	7.6	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	136.0	* 16.	180. AG	447.	100.0	0.0	18.3	0.76	2.7
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	765.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2146.	7.6	0.0	17.0		
6. Link_12	* 152.4	7.6	140.5	7.6	* 12.	270. AG	163.	100.0	0.0	14.6	0.56	2.0
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2242.	7.6	0.0	17.0		
8. Link_4	* -152.4	-7.6	-139.0	-7.6	* 13.	90. AG	130.	100.0	0.0	14.6	0.63	2.2

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
1. Link_2	* 60	44	2.0	662	1200	45.50	1	3
3. Link_5	* 60	44	2.0	919	1200	45.50	1	3
6. Link_12	* 60	16	2.0	2226	1200	45.50	1	3
8. Link_4	* 60	16	2.0	2015	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.3	0.1	0.6	0.9
10.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.3	0.6
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.3	0.2	0.2	0.4	0.4	0.4	0.3	0.0	0.0	0.2	0.5
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.2	0.4	0.4	0.4	0.3	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.4	0.4	0.4	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.5	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.4	0.0	0.0	0.1	0.7
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.1	0.9
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.7	0.6	0.4	0.3	0.0	0.0	0.1	1.4
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.3	1.7
100.	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.2	0.7	1.0
110.	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.6	0.5	0.8	0.5
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.7	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.5	0.2	0.1	0.1	0.1	0.4	0.3	0.6	0.2
150.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.3	0.2	0.2	0.4	0.3	0.5	0.2
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.6	0.3	0.3	0.2	0.2	0.4	0.3	0.5	0.2
170.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.0	0.3	0.3	0.5	0.2
180.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.3
190.	0.5	0.5	0.3	0.3	0.1	0.1	0.1	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.4
200.	0.5	0.4	0.4	0.3	0.1	0.2	0.1	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.4
210.	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.4
220.	0.3	0.3	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.4
230.	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
240.	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
250.	0.7	0.7	0.6	0.6	0.1	0.1	0.1	0.1	0.6	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.6	0.4
260.	0.8	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.3	1.0	1.2	0.5
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.4	1.5	0.7
280.	0.1	0.1	0.1	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.1	0.8	1.2
290.	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.1	0.2	0.1	0.3	1.2
300.	0.1	0.1	0.1	0.1	0.7	0.6	0.6	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.2	0.1	0.1	1.2
310.	0.1	0.1	0.1	0.1	0.6	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.2	1.0
320.	0.1	0.1	0.1	0.2	0.7	0.7	0.4	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.8
330.	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.7
340.	0.4	0.4	0.3	0.2	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.4	0.3	0.3	0.7
350.	0.2	0.1	0.0	0.0	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.6	0.4	0.6	0.8
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.3	0.1	0.6	0.9
MAX	0.8	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.7	0.7	0.5	0.6	0.7	0.6	0.6	0.5	1.3	1.0	1.5	1.7
DEGR.	260	250	250	250	300	310	300	310	140	140	110	160	70	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.8	0.5	0.4	0.2	0.1	0.9	0.5	0.4
10.	*	0.5	0.4	0.5	0.2	0.3	0.9	0.8	0.5
20.	*	0.5	0.4	0.4	0.2	0.1	0.8	0.7	0.5
30.	*	0.5	0.5	0.4	0.2	0.1	0.6	0.7	0.5
40.	*	0.6	0.5	0.4	0.1	0.1	0.4	0.4	0.3
50.	*	0.7	0.5	0.4	0.1	0.1	0.4	0.4	0.5
60.	*	0.8	0.6	0.4	0.1	0.1	0.6	0.5	0.6
70.	*	1.0	0.8	0.5	0.1	0.1	0.7	0.8	0.7
80.	*	1.4	0.8	0.5	0.1	0.1	1.3	1.3	1.0
90.	*	0.8	0.2	0.7	0.4	0.1	1.6	1.0	0.4
100.	*	0.1	0.0	1.2	1.0	0.5	0.8	0.3	0.1
110.	*	0.0	0.0	1.2	1.1	0.7	0.4	0.2	0.1
120.	*	0.0	0.0	1.1	1.1	0.8	0.2	0.2	0.2
130.	*	0.0	0.0	0.9	0.9	0.8	0.2	0.2	0.2
140.	*	0.0	0.0	0.8	0.8	0.8	0.2	0.2	0.2
150.	*	0.0	0.0	0.7	0.7	0.7	0.3	0.3	0.2
160.	*	0.0	0.0	0.7	0.7	0.6	0.4	0.4	0.4
170.	*	0.0	0.0	0.9	1.0	0.8	0.7	0.5	0.4
180.	*	0.1	0.1	1.0	0.7	0.5	0.8	0.2	0.1
190.	*	0.2	0.2	0.6	0.5	0.4	0.3	0.0	0.0
200.	*	0.2	0.2	0.5	0.5	0.4	0.2	0.0	0.0
210.	*	0.2	0.2	0.5	0.5	0.5	0.1	0.0	0.0
220.	*	0.2	0.1	0.5	0.6	0.5	0.1	0.0	0.0
230.	*	0.1	0.1	0.6	0.7	0.6	0.1	0.0	0.0
240.	*	0.1	0.1	0.8	0.8	0.7	0.1	0.0	0.0
250.	*	0.1	0.1	1.0	1.1	0.8	0.1	0.0	0.0
260.	*	0.1	0.1	1.5	1.4	0.8	0.1	0.0	0.0
270.	*	0.4	0.1	1.7	0.9	0.2	0.3	0.0	0.0
280.	*	0.9	0.5	1.0	0.1	0.0	0.8	0.4	0.2
290.	*	1.1	0.7	0.5	0.0	0.0	0.7	0.6	0.5
300.	*	1.1	0.8	0.3	0.0	0.0	0.6	0.5	0.5
310.	*	0.9	0.8	0.2	0.0	0.0	0.6	0.5	0.4
320.	*	0.8	0.7	0.2	0.0	0.0	0.6	0.4	0.3
330.	*	0.7	0.7	0.2	0.0	0.0	0.6	0.4	0.3
340.	*	0.7	0.6	0.2	0.0	0.0	0.5	0.4	0.3
350.	*	0.9	0.8	0.2	0.0	0.0	0.6	0.4	0.3
360.	*	0.8	0.5	0.4	0.2	0.1	0.9	0.5	0.4
MAX	*	1.4	0.8	1.7	1.4	0.8	1.6	1.3	1.0
DEGR.	*	80	70	270	260	120	90	80	80

THE HIGHEST CONCENTRATION OF 1.70 PPM OCCURRED AT RECEPTOR REC20.

Central Station “B” Alternative- With Project Output-2013

JOB: 2013centralB- W Flamingo Rd and Hotel Rio Dr- With Project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 21: 8:39

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	62.7	* 215.	360. AG	358.	100.0	0.0	14.6	1.23	35.8
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	725.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	140.7	* 12.	180. AG	358.	100.0	0.0	14.6	0.63	1.9
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	554.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2447.	7.6	0.0	20.7		
6. Link_12	* 152.4	7.6	137.5	7.6	* 15.	270. AG	163.	100.0	0.0	18.3	0.70	2.5
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	3169.	7.6	0.0	20.7		
8. Link_4	* -152.4	-7.6	-140.1	-7.6	* 12.	90. AG	163.	100.0	0.0	18.3	0.58	2.0

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
1. Link_2	* 60	44	2.0	1180	1200	45.50	1	3
3. Link_5	* 60	44	2.0	609	1200	45.50	1	3
6. Link_12	* 60	16	2.0	2801	1200	45.50	1	3
8. Link_4	* 60	16	2.0	2305	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7	0.1	3.2	4.0
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.0	0.6	0.6	0.5	0.5	0.1	0.0	2.1	2.6
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.1	1.0	0.8	0.7	0.6	0.0	0.0	1.2	1.5
30.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.1	0.1	0.1	0.2	1.3	1.2	1.1	0.9	0.0	0.0	0.7	1.1
40.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.1	1.1	1.1	1.1	0.9	0.0	0.0	0.5	1.0
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.6	0.2	0.1	0.1	1.2	1.2	1.0	1.0	0.0	0.0	0.5	1.0
60.	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.7	0.5	0.2	0.1	1.1	1.1	1.1	1.1	0.0	0.0	0.4	1.1
70.	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.3	0.7	0.7	0.5	0.2	1.4	1.3	1.2	1.1	0.0	0.0	0.4	1.3
80.	0.0	0.0	0.0	0.0	0.5	0.4	0.1	0.0	0.7	0.7	0.6	0.5	1.4	1.2	1.0	0.9	0.0	0.0	0.5	1.9
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.7	0.7	0.6	0.6	0.9	0.8	0.6	0.6	0.2	0.0	0.8	2.1
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.9	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.3	1.2	1.5
110.	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.2	1.0	1.0	0.7	0.7	0.6	0.6	0.7	0.5	1.1	0.9
120.	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.5	1.3	1.2	1.2	0.7	0.7	0.7	0.7	0.6	0.5	1.0	0.7
130.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.4	1.3	1.2	0.8	0.8	0.7	0.7	0.5	0.5	1.1	0.6
140.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.4	1.4	1.1	0.9	0.8	0.8	0.7	0.5	0.4	1.0	0.6
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.7	1.4	1.3	1.2	1.0	0.9	0.7	0.6	0.5	0.4	1.2	0.9
160.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.8	1.5	1.4	1.2	0.9	0.6	0.4	0.2	0.4	0.4	1.6	1.3
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.2	1.0	0.7	0.7	0.3	0.2	0.0	0.0	0.6	0.4	2.8	2.4
180.	0.6	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	2.1	1.1	4.8	4.2
190.	1.7	1.3	1.0	0.8	0.9	0.7	0.2	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	3.5	2.4	4.2	3.7
200.	1.8	1.6	1.5	1.3	1.4	1.3	0.8	0.5	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	2.8	2.1	3.0	2.6
210.	1.5	1.4	1.3	1.2	1.2	1.2	1.0	0.9	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	2.3	1.8	2.3	2.0
220.	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	2.0	1.6	1.8	1.7
230.	1.1	1.2	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	2.0	1.7	1.8	1.5
240.	1.5	1.3	1.2	1.2	1.0	0.9	0.7	0.7	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	1.8	1.7	1.8	1.4
250.	1.8	1.7	1.5	1.4	0.9	0.9	0.8	0.7	1.0	0.8	0.5	0.3	0.0	0.0	0.0	0.0	2.2	1.9	2.0	1.4
260.	1.9	1.5	1.2	1.1	0.9	0.8	0.7	0.7	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	2.8	2.3	2.6	1.4
270.	1.1	0.9	0.8	0.7	0.9	0.8	0.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.5	2.9	1.7
280.	0.9	0.8	0.7	0.7	1.3	1.1	0.9	0.8	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	1.5	1.0	2.2	2.6
290.	0.9	0.8	0.7	0.5	1.7	1.5	1.3	1.2	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.2	1.3	1.0	1.6	2.5
300.	1.0	0.8	0.5	0.2	1.8	1.7	1.3	1.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.3	1.3	1.2	1.3	2.4
310.	1.0	0.7	0.2	0.1	1.7	1.6	1.3	1.3	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	1.5	1.3	1.3	2.2
320.	1.0	0.4	0.1	0.1	1.9	1.6	1.5	1.3	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	1.6	1.3	1.5	2.3
330.	0.7	0.2	0.2	0.2	1.8	1.6	1.4	1.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	2.0	1.3	2.0	2.5
340.	0.4	0.3	0.2	0.1	1.8	1.6	1.3	0.9	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	2.2	1.1	2.5	2.9
350.	0.2	0.1	0.0	0.0	1.3	1.1	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	2.1	0.5	3.2	3.8
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7	0.1	3.2	4.0
MAX	1.9	1.7	1.5	1.4	1.9	1.7	1.5	1.3	1.8	1.5	1.4	1.2	1.4	1.3	1.2	1.1	3.5	2.4	4.8	4.2
DEGR.	260	250	200	250	320	300	320	300	160	160	160	120	70	70	70	60	190	190	180	180

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.7	0.8	0.4	0.1	0.1	1.0	0.6	0.6
10.	*	0.7	0.5	0.7	0.2	0.2	1.4	0.9	0.8
20.	*	0.6	0.5	1.3	0.4	0.2	2.0	1.7	1.3
30.	*	0.6	0.5	1.6	1.0	0.3	1.9	1.7	1.5
40.	*	0.7	0.6	1.6	1.1	0.7	1.7	1.4	1.3
50.	*	0.8	0.6	1.4	1.0	0.8	1.4	1.3	1.2
60.	*	0.9	0.8	1.4	1.0	0.8	1.5	1.3	1.2
70.	*	1.1	0.9	1.4	1.0	0.8	1.6	1.6	1.5
80.	*	1.6	1.0	1.3	1.1	0.8	2.0	2.0	1.8
90.	*	1.2	0.3	1.7	1.4	0.8	2.3	1.7	1.2
100.	*	0.3	0.0	2.2	2.0	1.3	1.7	1.0	0.8
110.	*	0.1	0.0	2.3	2.2	1.7	1.3	0.9	0.8
120.	*	0.1	0.0	2.3	2.2	1.8	1.1	0.9	0.8
130.	*	0.1	0.0	2.0	2.0	1.7	1.0	0.9	0.8
140.	*	0.1	0.0	2.1	2.0	1.7	1.3	1.1	0.9
150.	*	0.1	0.0	2.1	2.1	1.8	1.4	1.3	1.1
160.	*	0.0	0.0	2.2	2.2	1.9	1.8	1.5	1.2
170.	*	0.1	0.0	2.3	2.1	1.6	1.8	1.1	0.6
180.	*	1.4	0.4	1.4	1.1	0.8	0.8	0.3	0.0
190.	*	2.9	1.6	0.7	0.7	0.6	0.3	0.0	0.0
200.	*	2.3	1.7	0.6	0.7	0.6	0.1	0.0	0.0
210.	*	1.9	1.4	0.6	0.8	0.7	0.1	0.0	0.0
220.	*	1.6	1.2	0.8	0.9	0.7	0.0	0.0	0.0
230.	*	1.5	1.2	0.8	1.0	0.8	0.1	0.0	0.0
240.	*	1.3	1.1	1.0	1.1	1.0	0.0	0.0	0.0
250.	*	1.3	1.0	1.2	1.5	1.2	0.0	0.0	0.0
260.	*	1.4	1.0	1.9	2.1	1.2	0.0	0.0	0.0
270.	*	1.7	1.1	2.2	1.6	0.4	0.3	0.1	0.0
280.	*	2.5	1.6	1.4	0.4	0.0	1.0	0.6	0.4
290.	*	2.6	2.0	0.8	0.2	0.0	1.0	0.9	0.7
300.	*	2.4	2.2	0.5	0.1	0.0	0.9	0.7	0.7
310.	*	2.5	2.1	0.3	0.1	0.0	0.8	0.6	0.6
320.	*	2.4	1.9	0.3	0.1	0.0	0.7	0.6	0.5
330.	*	2.6	2.0	0.4	0.1	0.0	0.7	0.6	0.5
340.	*	3.0	2.2	0.4	0.1	0.0	0.7	0.5	0.5
350.	*	3.4	2.0	0.4	0.0	0.0	0.7	0.5	0.5
360.	*	1.7	0.8	0.4	0.1	0.1	1.0	0.6	0.6
MAX	*	3.4	2.2	2.3	2.2	1.9	2.3	2.0	1.8
DEGR.	*	350	300	110	110	160	90	80	80

THE HIGHEST CONCENTRATION OF 4.80 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013centralB - W Flamingo Rd and Hotel Rio Dr- With Project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 21:11:16

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	178.2	*	331.	360. AG	350.	100.0	0.0	14.6	1.35 55.1	
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	875.	7.6	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	141.5	*	11.	180. AG	350.	100.0	0.0	14.6	0.58 1.8	
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	554.	7.6	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2469.	7.6	0.0	20.7		
6. Link_12	*	152.4	7.6	135.8	7.6	*	17.	270. AG	173.	100.0	0.0	18.3	0.56 2.8	
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	3371.	7.6	0.0	20.7		
8. Link_4	*	-152.4	-7.6	-139.3	-7.6	*	13.	90. AG	173.	100.0	0.0	18.3	0.59 2.2	

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)		
1. Link_2	*	60	43	2.0	1404	1200	45.50	1	3
3. Link_5	*	60	43	2.0	609	1200	45.50	1	3
6. Link_12	*	60	17	2.0	2934	1600	45.50	1	3
8. Link_4	*	60	17	2.0	2322	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	0.2	0.1	0.0	0.0	0.9	0.7	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.4	1.8	0.6	4.8	5.1
10.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.2	0.1	0.0	1.4	1.1	0.8	0.7	0.1	0.0	2.5	2.7
20.	*	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	1.0	0.9	0.6	0.4	1.7	1.5	1.3	1.2	0.0	0.0	1.2	1.5
30.	*	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	1.0	0.9	0.8	0.8	1.5	1.3	1.2	1.2	0.0	0.0	0.7	1.1
40.	*	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.8	0.8	0.8	0.7	1.1	1.1	1.1	0.9	0.0	0.0	0.5	1.0
50.	*	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.8	0.8	0.7	0.6	1.2	1.2	1.0	0.9	0.0	0.0	0.5	1.0
60.	*	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.7	0.7	0.7	0.6	1.1	1.1	1.1	1.0	0.0	0.0	0.4	1.1
70.	*	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.3	0.7	0.6	0.6	0.6	1.4	1.2	1.2	1.1	0.0	0.0	0.4	1.3
80.	*	0.0	0.0	0.0	0.0	0.5	0.4	0.1	0.0	0.7	0.7	0.6	0.6	1.4	1.2	1.0	0.9	0.0	0.0	0.5	1.9
90.	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.7	0.7	0.6	0.6	0.9	0.8	0.6	0.6	0.2	0.0	0.8	2.1
100.	*	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.9	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.3	1.3	1.5
110.	*	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.1	1.0	1.0	0.7	0.6	0.6	0.6	0.7	0.5	1.2	0.9
120.	*	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.5	1.3	1.2	1.1	0.7	0.7	0.7	0.6	0.6	0.5	1.1	0.7
130.	*	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.7	1.5	1.3	1.2	0.8	0.8	0.7	0.6	0.5	0.5	1.1	0.6
140.	*	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.5	1.4	1.1	0.8	0.8	0.8	0.7	0.5	0.4	1.0	0.6
150.	*	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.7	1.5	1.3	1.3	0.9	0.8	0.7	0.6	0.5	0.4	1.2	0.9
160.	*	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.8	1.4	1.3	1.3	0.9	0.6	0.3	0.2	0.4	0.4	1.6	1.3
170.	*	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.0	0.8	0.7	0.3	0.2	0.0	0.0	0.6	0.4	2.7	2.4
180.	*	0.6	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	2.0	1.0	4.7	4.1
190.	*	1.7	1.3	1.0	0.8	0.9	0.7	0.2	0.0	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	3.5	2.3	4.1	3.7
200.	*	1.8	1.6	1.4	1.3	1.4	1.2	0.7	0.4	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	2.8	2.1	3.0	2.6
210.	*	1.6	1.4	1.3	1.2	1.2	1.1	1.0	0.9	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	2.3	1.8	2.3	2.0
220.	*	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	2.0	1.7	1.7	1.6
230.	*	1.3	1.1	1.1	1.1	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	1.9	1.6	1.8	1.5
240.	*	1.6	1.4	1.2	1.2	0.9	0.9	0.7	0.7	0.8	0.7	0.8	0.7	0.0	0.0	0.0	0.0	1.8	1.7	1.8	1.4
250.	*	1.9	1.6	1.5	1.4	0.9	0.9	0.7	0.7	1.1	0.9	0.7	0.4	0.0	0.0	0.0	0.0	2.1	2.1	2.0	1.4
260.	*	1.9	1.5	1.2	1.1	0.9	0.8	0.7	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	2.8	2.5	2.6	1.3
270.	*	1.2	0.9	0.8	0.7	0.9	0.8	0.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.7	3.1	1.7
280.	*	0.9	0.8	0.7	0.7	1.3	1.1	0.9	0.8	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	1.4	1.1	2.1	2.6
290.	*	1.0	0.8	0.7	0.7	1.7	1.6	1.3	1.2	0.0	0.0	0.0	0.0	0.6	0.4	0.3	0.2	1.2	1.1	1.6	2.6
300.	*	1.0	0.8	0.7	0.7	1.7	1.7	1.4	1.3	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	1.3	1.2	1.3	2.5
310.	*	1.0	0.8	0.8	0.8	1.7	1.6	1.3	1.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	1.4	1.2	1.3	2.3
320.	*	1.2	1.1	0.9	0.8	1.9	1.7	1.5	1.3	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	1.7	1.3	1.4	2.2
330.	*	1.3	1.2	1.2	1.0	1.8	1.7	1.4	1.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	2.0	1.5	2.0	2.5
340.	*	1.6	1.4	1.1	0.8	1.9	1.8	1.6	1.4	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	2.6	2.0	2.6	2.9
350.	*	1.4	0.8	0.3	0.1	2.1	1.9	1.2	1.0	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	3.4	2.1	4.0	4.4
360.	*	0.2	0.1	0.0	0.0	0.9	0.7	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.4	1.8	0.6	4.8	5.1
MAX	*	1.9	1.6	1.5	1.4	2.1	1.9	1.6	1.4	1.8	1.5	1.4	1.3	1.7	1.5	1.3	1.2	3.5	2.5	4.8	5.1
DEGR.	*	260	200	250	250	350	350	340	340	160	130	140	150	20	20	20	20	190	260	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	2.6	1.3	1.0	0.2	0.1	1.4	0.9	0.6	
10.	*	0.8	0.5	2.0	1.2	0.8	2.6	1.9	1.5	
20.	*	0.6	0.5	2.1	1.5	1.3	2.4	2.0	1.8	
30.	*	0.6	0.5	1.7	1.3	1.1	2.0	1.7	1.6	
40.	*	0.7	0.6	1.6	1.2	1.0	1.6	1.5	1.3	
50.	*	0.8	0.6	1.6	1.0	0.8	1.4	1.3	1.2	
60.	*	0.9	0.8	1.6	1.0	0.8	1.5	1.3	1.2	
70.	*	1.1	1.0	1.6	1.0	0.8	1.6	1.6	1.5	
80.	*	1.6	1.0	1.5	1.1	0.8	2.1	2.1	1.9	
90.	*	1.2	0.3	1.8	1.6	0.8	2.3	1.7	1.2	
100.	*	0.3	0.0	2.3	2.0	1.3	1.7	1.0	0.8	
110.	*	0.1	0.0	2.4	2.3	1.7	1.3	0.9	0.8	
120.	*	0.1	0.0	2.3	2.2	1.8	1.1	0.9	0.8	
130.	*	0.1	0.0	2.1	2.0	1.8	1.0	0.9	0.8	
140.	*	0.1	0.0	2.1	2.0	1.7	1.2	1.1	0.9	
150.	*	0.1	0.0	2.1	2.0	1.8	1.4	1.2	1.1	
160.	*	0.0	0.0	2.3	2.2	2.0	1.7	1.5	1.2	
170.	*	0.1	0.0	2.4	2.1	1.5	1.7	1.1	0.6	
180.	*	1.4	0.4	1.4	1.2	0.9	0.8	0.3	0.0	
190.	*	2.8	1.6	0.7	0.8	0.6	0.3	0.0	0.0	
200.	*	2.3	1.7	0.6	0.8	0.7	0.1	0.0	0.0	
210.	*	1.9	1.4	0.7	0.8	0.7	0.1	0.0	0.0	
220.	*	1.6	1.2	0.8	0.9	0.8	0.0	0.0	0.0	
230.	*	1.4	1.1	0.9	1.1	0.9	0.1	0.0	0.0	
240.	*	1.3	1.1	1.1	1.2	1.0	0.0	0.0	0.0	
250.	*	1.2	1.0	1.3	1.6	1.3	0.0	0.0	0.0	
260.	*	1.3	1.0	2.1	2.2	1.3	0.0	0.0	0.0	
270.	*	1.7	1.1	2.3	1.7	0.4	0.4	0.1	0.0	
280.	*	2.4	1.7	1.5	0.5	0.0	1.0	0.6	0.4	
290.	*	2.5	2.0	0.8	0.2	0.0	1.1	0.9	0.7	
300.	*	2.5	2.2	0.5	0.1	0.0	0.9	0.8	0.7	
310.	*	2.4	2.0	0.3	0.1	0.0	0.8	0.7	0.6	
320.	*	2.4	2.0	0.3	0.1	0.0	0.7	0.6	0.5	
330.	*	2.6	2.1	0.4	0.1	0.0	0.8	0.6	0.5	
340.	*	3.1	2.4	0.4	0.1	0.0	0.7	0.6	0.5	
350.	*	4.1	2.8	0.4	0.0	0.0	0.7	0.5	0.5	
360.	*	2.6	1.3	1.0	0.2	0.1	1.4	0.9	0.6	
MAX	*	4.1	2.8	2.4	2.3	2.0	2.6	2.1	1.9	
DEGR.	*	350	350	110	110	160	10	80	80	

THE HIGHEST CONCENTRATION OF 5.10 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013centralB- Hotel Rio Dr and Dean Martin Dr- With Project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:28:38

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
	*	X1	Y1	X2	Y2	*								
1. Link_2	*	7.6	-152.4	7.6	-111.6	*	41.	360. AG	73.	100.0	0.0	7.3	0.94	6.8
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	1484.	7.6	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	140.6	*	12.	180. AG	110.	100.0	0.0	11.0	0.52	2.0
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	953.	7.6	0.0	13.4		
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	903.	7.6	0.0	9.7		
6. Link_4	*	-152.4	-7.6	-125.1	-7.6	*	27.	90. AG	256.	100.0	0.0	11.0	0.89	4.6

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)		
1. Link_2	*	60	18	2.0	1422	1200	45.50	1	3
3. Link_5	*	60	18	2.0	1177	1200	45.50	1	3
6. Link_4	*	60	42	2.0	748	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.1	1.3	1.0
10.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.7	0.4
20.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.3	0.1
30.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.5	0.3	0.3	0.3	0.0	0.0	0.2	0.0
40.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.0
50.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.0
60.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
70.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
80.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
110.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
120.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
130.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.0
140.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.1	0.0
150.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.0	0.0	0.2	0.0
160.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.3	0.2	0.1	0.0	0.0	0.3	0.0
170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.3	0.0
180.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.5	0.2
190.	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.1	0.6	0.3
200.	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.7	0.3
210.	0.3	0.3	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.2
220.	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.2
230.	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.2
240.	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.2
250.	0.6	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.2
260.	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.7	0.9	0.2
270.	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	1.0	0.4
280.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.3	0.3	0.5	0.5
290.	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.5
300.	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.3	0.4	0.3	0.3	0.3
310.	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.2
320.	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.2
330.	0.4	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.3
340.	0.4	0.3	0.2	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.7	0.5	0.7	0.4
350.	0.3	0.1	0.1	0.0	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.8	0.5	1.1	0.8
360.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.1	1.3	1.0
MAX	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.3	0.5	0.4	0.4	0.4	0.9	0.7	1.3	1.0
DEGR.	250	250	250	250	340	340	340	340	160	250	240	160	30	20	40	40	260	260	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.5	0.2	0.1	0.0	0.0	0.4	0.2	0.1	
10.	*	0.0	0.0	0.4	0.2	0.1	0.8	0.5	0.3	
20.	*	0.0	0.0	0.5	0.4	0.3	0.8	0.7	0.4	
30.	*	0.0	0.0	0.4	0.3	0.3	0.8	0.6	0.5	
40.	*	0.0	0.0	0.4	0.3	0.3	0.6	0.5	0.4	
50.	*	0.0	0.0	0.4	0.2	0.2	0.4	0.4	0.4	
60.	*	0.0	0.0	0.4	0.2	0.2	0.3	0.3	0.2	
70.	*	0.0	0.0	0.4	0.2	0.2	0.2	0.2	0.2	
80.	*	0.0	0.0	0.5	0.2	0.2	0.2	0.2	0.2	
90.	*	0.0	0.0	0.6	0.2	0.2	0.2	0.2	0.2	
100.	*	0.0	0.0	0.6	0.2	0.2	0.2	0.2	0.2	
110.	*	0.0	0.0	0.5	0.3	0.2	0.2	0.2	0.2	
120.	*	0.0	0.0	0.5	0.4	0.3	0.2	0.2	0.2	
130.	*	0.0	0.0	0.4	0.3	0.3	0.2	0.3	0.2	
140.	*	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	
150.	*	0.0	0.0	0.3	0.3	0.4	0.4	0.3	0.3	
160.	*	0.0	0.0	0.4	0.5	0.5	0.5	0.4	0.4	
170.	*	0.0	0.0	0.8	0.8	0.7	0.8	0.6	0.4	
180.	*	0.1	0.0	0.8	0.5	0.3	0.8	0.3	0.1	
190.	*	0.3	0.2	0.4	0.2	0.2	0.4	0.0	0.0	
200.	*	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	
210.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	
220.	*	0.2	0.2	0.3	0.2	0.2	0.1	0.0	0.0	
230.	*	0.2	0.2	0.3	0.3	0.2	0.1	0.0	0.0	
240.	*	0.2	0.1	0.4	0.3	0.2	0.1	0.0	0.0	
250.	*	0.2	0.1	0.5	0.5	0.4	0.1	0.0	0.0	
260.	*	0.1	0.1	1.0	0.7	0.4	0.1	0.0	0.0	
270.	*	0.2	0.2	1.0	0.2	0.1	0.3	0.2	0.1	
280.	*	0.4	0.3	0.4	0.0	0.0	0.4	0.2	0.3	
290.	*	0.4	0.3	0.1	0.0	0.0	0.4	0.2	0.2	
300.	*	0.3	0.3	0.1	0.0	0.0	0.3	0.2	0.2	
310.	*	0.2	0.2	0.1	0.0	0.0	0.3	0.2	0.2	
320.	*	0.2	0.2	0.1	0.0	0.0	0.3	0.2	0.1	
330.	*	0.2	0.3	0.0	0.0	0.0	0.3	0.1	0.1	
340.	*	0.5	0.4	0.0	0.0	0.0	0.4	0.1	0.1	
350.	*	0.8	0.6	0.0	0.0	0.0	0.3	0.1	0.1	
360.	*	0.5	0.2	0.1	0.0	0.0	0.4	0.2	0.1	
MAX	*	0.8	0.6	1.0	0.8	0.7	0.8	0.7	0.5	
DEGR.	*	350	350	260	170	170	30	20	30	

THE HIGHEST CONCENTRATION OF 1.30 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013centralB- Hotel Rio Dr and Dean Martin Dr- With Project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:28:53

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-69.9	*	83.	360. AG	73.	100.0	0.0	7.3	1.01 13.8	
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	1656.	7.6	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	140.5	*	12.	180. AG	110.	100.0	0.0	11.0	0.52 2.0	
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	970.	7.6	0.0	13.4		
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	992.	7.6	0.0	9.7		
6. Link_4	*	-152.4	-7.6	-54.1	-7.6	*	98.	90. AG	256.	100.0	0.0	11.0	1.06 16.4	

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)		
1. Link_2	*	60	18	2.0	1533	1200	45.50	1	3
3. Link_5	*	60	18	2.0	1194	1200	45.50	1	3
6. Link_4	*	60	42	2.0	891	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.1	1.4	1.1
10.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.7	0.4
20.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.3	0.1
30.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.5	0.4	0.4	0.3	0.0	0.0	0.2	0.0
40.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.0
50.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.2	0.0
60.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
70.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.0
80.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
110.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
120.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.0	0.0	0.1	0.0
130.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.0	0.0	0.1	0.0
140.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.1	0.0
150.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.2	0.0
160.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.3	0.0
170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.3	0.0
180.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.7	0.3
190.	0.2	0.2	0.1	0.1	0.2	0.1	0.0	0.0	0.2	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.8	0.4	
200.	0.2	0.2	0.3	0.2	0.4	0.3	0.2	0.1	0.2	0.2	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.3	0.7	0.3	
210.	0.3	0.3	0.2	0.1	0.3	0.3	0.3	0.2	0.3	0.4	0.5	0.5	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.2	
220.	0.3	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.2	
230.	0.5	0.5	0.4	0.3	0.2	0.1	0.2	0.2	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.5	0.6	0.5	0.2	
240.	0.6	0.6	0.6	0.6	0.1	0.1	0.1	0.2	0.8	0.7	0.7	0.5	0.0	0.0	0.0	0.0	0.5	0.7	0.6	0.2	
250.	1.1	1.0	0.9	0.8	0.1	0.1	0.1	0.1	0.8	0.5	0.4	0.2	0.0	0.0	0.0	0.0	1.1	1.1	0.9	0.2	
260.	0.9	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.2	1.7	0.3	
270.	0.4	0.2	0.2	0.2	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.8	0.4	1.2	1.1	
280.	0.3	0.2	0.2	0.2	0.8	0.8	0.5	0.4	0.0	0.0	0.0	0.0	0.6	0.3	0.1	0.0	0.4	0.3	0.5	0.9	
290.	0.3	0.3	0.2	0.2	0.5	0.5	0.6	0.6	0.0	0.0	0.0	0.0	1.0	0.8	0.5	0.3	0.4	0.3	0.4	0.5	
300.	0.3	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.7	0.6	0.4	0.4	0.4	0.3	
310.	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.7	0.6	0.6	0.4	0.4	0.4	0.2	
320.	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.5	0.6	0.6	0.5	0.4	0.5	0.3	
330.	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.5	0.6	0.5	0.7	0.3	
340.	0.5	0.4	0.3	0.2	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.5	0.8	0.6	0.8	0.4	
350.	0.3	0.2	0.1	0.0	0.5	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.9	0.5	1.2	0.9	
360.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.1	1.4	1.1	
MAX	1.1	1.0	0.9	0.8	0.8	0.8	0.6	0.6	0.8	0.7	0.7	0.5	1.0	0.9	0.7	0.6	1.5	1.2	1.7	1.1	
DEGR.	250	250	250	250	280	280	290	290	240	230	240	210	290	300	300	300	260	260	260	0	

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.5	0.2	0.1	0.0	0.0	0.5	0.2	0.1
10.	*		0.0	0.0	0.5	0.3	0.1	0.9	0.6	0.4
20.	*		0.0	0.0	0.5	0.4	0.3	0.9	0.7	0.5
30.	*		0.0	0.0	0.4	0.4	0.3	0.8	0.7	0.5
40.	*		0.0	0.0	0.5	0.3	0.3	0.6	0.6	0.6
50.	*		0.0	0.0	0.4	0.3	0.3	0.4	0.4	0.4
60.	*		0.0	0.0	0.4	0.3	0.2	0.4	0.3	0.2
70.	*		0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.2
80.	*		0.0	0.0	0.5	0.3	0.2	0.2	0.2	0.2
90.	*		0.0	0.0	0.6	0.3	0.2	0.2	0.2	0.2
100.	*		0.0	0.0	0.6	0.3	0.2	0.2	0.2	0.2
110.	*		0.0	0.0	0.6	0.4	0.2	0.2	0.2	0.2
120.	*		0.0	0.0	0.5	0.4	0.3	0.2	0.2	0.2
130.	*		0.0	0.0	0.4	0.4	0.3	0.2	0.3	0.2
140.	*		0.0	0.0	0.3	0.4	0.3	0.3	0.3	0.2
150.	*		0.0	0.0	0.4	0.3	0.4	0.4	0.4	0.4
160.	*		0.0	0.0	0.4	0.6	0.6	0.6	0.6	0.5
170.	*		0.0	0.0	0.9	0.8	0.7	0.9	0.6	0.4
180.	*		0.2	0.1	1.0	0.5	0.3	0.8	0.3	0.1
190.	*		0.4	0.3	0.4	0.2	0.2	0.4	0.0	0.0
200.	*		0.2	0.3	0.3	0.2	0.2	0.2	0.0	0.0
210.	*		0.2	0.2	0.3	0.2	0.2	0.1	0.0	0.0
220.	*		0.2	0.2	0.3	0.3	0.3	0.1	0.0	0.0
230.	*		0.2	0.2	0.3	0.4	0.6	0.1	0.0	0.0
240.	*		0.2	0.1	0.6	0.8	0.9	0.1	0.0	0.0
250.	*		0.2	0.1	1.2	1.2	1.0	0.1	0.0	0.0
260.	*		0.1	0.1	1.8	1.0	0.6	0.3	0.0	0.0
270.	*		0.7	0.4	1.1	0.3	0.1	1.3	0.7	0.3
280.	*		0.9	0.8	0.4	0.0	0.0	1.0	1.3	1.1
290.	*		0.5	0.4	0.2	0.0	0.0	0.5	0.5	1.0
300.	*		0.3	0.3	0.1	0.0	0.0	0.3	0.2	0.5
310.	*		0.2	0.3	0.1	0.0	0.0	0.3	0.2	0.2
320.	*		0.2	0.2	0.1	0.0	0.0	0.3	0.2	0.2
330.	*		0.3	0.3	0.0	0.0	0.0	0.3	0.1	0.1
340.	*		0.5	0.5	0.0	0.0	0.0	0.4	0.1	0.1
350.	*		0.9	0.6	0.0	0.0	0.0	0.4	0.1	0.1
360.	*		0.5	0.2	0.1	0.0	0.0	0.5	0.2	0.1
MAX	*		0.9	0.8	1.8	1.2	1.0	1.3	1.3	1.1
DEGR.	*		280	280	260	250	250	270	280	280

THE HIGHEST CONCENTRATION OF 1.80 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013centralB- W Tropicana and Dean Martin Dr- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:29: 9

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-140.4	* 12.	360. AG	334.	100.0	0.0	14.6	0.58	2.0
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	709.	7.6	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	129.6	* 23.	180. AG	417.	100.0	0.0	18.3	0.83	3.8
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	820.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2255.	7.6	0.0	17.0		
6. Link_12	* 152.4	7.6	138.1	7.6	* 14.	270. AG	193.	100.0	0.0	14.6	0.61	2.4
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2555.	7.6	0.0	17.0		
8. Link_4	* -152.4	-7.6	-135.6	-7.6	* 17.	90. AG	155.	100.0	0.0	14.6	0.72	2.8

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
1. Link_2	* 60	41	2.0	702	1200	45.50	1	3
3. Link_5	* 60	41	2.0	1247	1200	45.50	1	3
6. Link_12	* 60	19	2.0	2265	1200	45.50	1	3
8. Link_4	* 60	19	2.0	2124	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.1	0.6	1.0
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.6	0.6	0.5	0.4	0.0	0.0	0.3	0.6
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.3	0.3	0.3	0.6	0.4	0.4	0.5	0.0	0.0	0.2	0.6
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.2	0.3	0.5	0.4	0.4	0.4	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.0	0.0	0.1	0.8
70.	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.2	0.1	0.1	0.1	0.1	0.7	0.7	0.6	0.6	0.0	0.0	0.1	1.0
80.	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.8	0.6	0.5	0.4	0.0	0.0	0.1	1.6
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.1	0.0	0.4	1.7
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.3	0.8	1.0
110.	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.6	0.5	0.8	0.5
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.4	0.1	0.1	0.1	0.1	0.5	0.5	0.7	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.7	0.6	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.5	0.2	0.2	0.1	0.1	0.4	0.3	0.6	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.2	0.2	0.3	0.2	0.4	0.3	0.6	0.2
160.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.3	0.3	0.2	0.1	0.4	0.4	0.5	0.2
170.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.4	0.3	0.1	0.0	0.0	0.4	0.3	0.5	0.2
180.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.3
190.	0.5	0.5	0.4	0.3	0.1	0.1	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.8	0.4
200.	0.5	0.4	0.4	0.3	0.1	0.2	0.1	0.1	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.8	0.5
210.	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.2	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.4
220.	0.3	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.4
230.	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.5
240.	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.5
250.	0.8	0.7	0.7	0.6	0.1	0.1	0.1	0.1	0.8	0.7	0.5	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.7	0.6
260.	0.8	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.6	1.1	1.4	0.5
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.5	1.7	0.8
280.	0.1	0.1	0.1	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	0.1	0.8	1.3
290.	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.1	0.2	0.1	0.3	1.4
300.	0.1	0.1	0.1	0.1	0.8	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.2	0.2	0.3	1.3
310.	0.1	0.1	0.1	0.1	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.2	0.2	1.0
320.	0.2	0.1	0.1	0.2	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.9
330.	0.3	0.3	0.3	0.4	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.8
340.	0.5	0.5	0.3	0.2	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.7
350.	0.2	0.2	0.0	0.0	0.8	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.4	0.7	1.0
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.1	0.6	1.0
MAX	0.8	0.7	0.7	0.6	0.8	0.8	0.6	0.6	0.8	0.7	0.7	0.6	0.8	0.7	0.6	0.6	1.6	1.1	1.7	1.7
DEGR.	250	250	250	250	300	310	300	310	140	140	130	130	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.9	0.5	0.4	0.2	0.1	1.0	0.6	0.5	
10.	*	0.5	0.4	0.5	0.3	0.4	1.0	0.8	0.6	
20.	*	0.5	0.4	0.4	0.2	0.2	0.8	0.7	0.6	
30.	*	0.5	0.5	0.4	0.2	0.1	0.7	0.7	0.5	
40.	*	0.6	0.5	0.4	0.1	0.1	0.4	0.5	0.5	
50.	*	0.7	0.6	0.5	0.1	0.1	0.5	0.4	0.5	
60.	*	0.8	0.7	0.4	0.1	0.1	0.6	0.5	0.6	
70.	*	1.1	0.8	0.5	0.1	0.1	0.7	0.9	0.9	
80.	*	1.5	0.9	0.5	0.2	0.1	1.3	1.4	1.2	
90.	*	0.9	0.2	0.9	0.4	0.1	1.6	1.0	0.5	
100.	*	0.1	0.0	1.3	1.0	0.5	0.9	0.3	0.2	
110.	*	0.0	0.0	1.3	1.2	0.8	0.4	0.2	0.2	
120.	*	0.0	0.0	1.3	1.1	0.9	0.2	0.2	0.2	
130.	*	0.0	0.0	1.1	1.0	0.9	0.2	0.2	0.2	
140.	*	0.0	0.0	0.9	0.9	0.9	0.2	0.2	0.2	
150.	*	0.0	0.0	0.8	0.8	0.7	0.3	0.3	0.2	
160.	*	0.0	0.0	0.8	0.9	0.7	0.4	0.4	0.4	
170.	*	0.0	0.0	1.0	1.1	0.9	0.7	0.6	0.4	
180.	*	0.1	0.1	1.1	0.9	0.6	0.7	0.2	0.1	
190.	*	0.2	0.2	0.7	0.6	0.5	0.4	0.0	0.0	
200.	*	0.2	0.2	0.5	0.6	0.5	0.2	0.0	0.0	
210.	*	0.2	0.2	0.5	0.6	0.6	0.1	0.0	0.0	
220.	*	0.2	0.1	0.6	0.7	0.6	0.1	0.0	0.0	
230.	*	0.1	0.1	0.7	0.8	0.6	0.1	0.0	0.0	
240.	*	0.1	0.1	0.9	0.9	0.8	0.1	0.0	0.0	
250.	*	0.1	0.1	1.1	1.2	0.9	0.1	0.0	0.0	
260.	*	0.1	0.1	1.8	1.7	1.0	0.1	0.0	0.0	
270.	*	0.4	0.1	2.0	1.0	0.3	0.4	0.2	0.0	
280.	*	1.1	0.5	1.1	0.1	0.0	0.9	0.5	0.3	
290.	*	1.2	0.8	0.6	0.0	0.0	0.8	0.7	0.5	
300.	*	1.2	0.9	0.4	0.0	0.0	0.8	0.6	0.5	
310.	*	1.0	0.8	0.2	0.0	0.0	0.7	0.5	0.5	
320.	*	0.9	0.8	0.2	0.0	0.0	0.6	0.4	0.4	
330.	*	0.7	0.7	0.3	0.0	0.0	0.6	0.5	0.4	
340.	*	0.7	0.7	0.3	0.0	0.0	0.6	0.4	0.4	
350.	*	1.1	0.9	0.3	0.0	0.0	0.7	0.4	0.4	
360.	*	0.9	0.5	0.4	0.2	0.1	1.0	0.6	0.5	
MAX	*	1.5	0.9	2.0	1.7	1.0	1.6	1.4	1.2	
DEGR.	*	80	80	270	260	260	90	80	80	

THE HIGHEST CONCENTRATION OF 2.00 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013centralB- W Tropicana and Dean Martin Dr- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:29:30

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-140.2	* 12.	360. AG	334.	100.0	0.0	14.6	0.60	2.0
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	726.	7.6	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	120.4	* 32.	180. AG	417.	100.0	0.0	18.3	0.92	5.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	842.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2299.	7.6	0.0	17.0		
6. Link_12	* 152.4	7.6	138.0	7.6	* 14.	270. AG	193.	100.0	0.0	14.6	0.62	2.4
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2684.	7.6	0.0	17.0		
8. Link_4	* -152.4	-7.6	-135.2	-7.6	* 17.	90. AG	155.	100.0	0.0	14.6	0.73	2.9

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
1. Link_2	* 60	41	2.0	719	1200	45.50	1	3
3. Link_5	* 60	41	2.0	1381	1200	45.50	1	3
6. Link_12	* 60	19	2.0	2283	1200	45.50	1	3
8. Link_4	* 60	19	2.0	2168	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.4	0.1	0.8	1.1
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.2	0.1	0.7	0.6	0.5	0.5	0.0	0.0	0.3	0.6
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.4	0.5	0.4	0.6	0.4	0.5	0.5	0.0	0.0	0.2	0.6
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.3	0.4	0.5	0.4	0.4	0.4	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.7
60.	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.5	0.0	0.0	0.1	0.8
70.	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.2	0.1	0.1	0.1	0.1	0.7	0.7	0.6	0.6	0.0	0.0	0.1	1.0
80.	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.8	0.6	0.5	0.4	0.0	0.0	0.1	1.6
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.2	0.0	0.4	1.8
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.3	0.8	1.0
110.	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.6	0.5	0.8	0.5
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.4	0.1	0.1	0.1	0.1	0.5	0.5	0.7	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.7	0.6	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.6	0.2	0.2	0.1	0.1	0.4	0.4	0.6	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.2	0.2	0.3	0.2	0.4	0.3	0.6	0.3
160.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.3	0.3	0.2	0.1	0.4	0.4	0.5	0.2
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.4	0.3	0.1	0.0	0.0	0.4	0.3	0.5	0.2
180.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.4
190.	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.8	0.4
200.	0.5	0.5	0.4	0.4	0.1	0.2	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.7	0.5	0.8	0.5
210.	0.6	0.4	0.4	0.4	0.2	0.1	0.1	0.2	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.4
220.	0.3	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.3	0.5	0.4
230.	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
240.	0.6	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.7	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.7	0.6	0.5
250.	0.8	0.8	0.7	0.6	0.1	0.1	0.1	0.1	0.9	0.7	0.6	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.6
260.	0.9	0.7	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.6	1.2	1.4	0.5
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.5	1.8	0.8
280.	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	0.1	0.9	1.4
290.	0.1	0.1	0.1	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.2	0.1	0.3	1.5
300.	0.1	0.1	0.1	0.1	0.8	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.2	0.2	0.3	1.4
310.	0.1	0.1	0.1	0.1	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.2	0.2	0.2	1.0
320.	0.2	0.1	0.2	0.3	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.9
330.	0.3	0.4	0.5	0.5	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.9
340.	0.6	0.6	0.3	0.2	0.7	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.5	0.6	0.4	0.7
350.	0.3	0.2	0.0	0.0	0.8	0.8	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.9	0.6	0.8	1.1
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.4	0.1	0.8	1.1
MAX	0.9	0.8	0.7	0.6	0.8	0.8	0.7	0.6	0.9	0.7	0.7	0.6	0.8	0.7	0.6	0.6	1.6	1.2	1.8	1.8
DEGR.	260	250	250	250	70	310	340	310	250	140	130	130	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.0	0.6	0.8	0.3	0.2	1.1	0.6	0.6	
10.	*	0.5	0.4	0.5	0.4	0.5	1.0	0.9	0.7	
20.	*	0.5	0.4	0.4	0.2	0.3	0.8	0.7	0.6	
30.	*	0.6	0.5	0.4	0.2	0.1	0.7	0.7	0.5	
40.	*	0.6	0.5	0.5	0.1	0.1	0.4	0.5	0.5	
50.	*	0.7	0.6	0.6	0.1	0.1	0.5	0.4	0.5	
60.	*	0.8	0.7	0.4	0.1	0.1	0.6	0.5	0.6	
70.	*	1.1	0.8	0.5	0.1	0.1	0.8	0.9	0.9	
80.	*	1.5	0.9	0.6	0.2	0.1	1.3	1.5	1.2	
90.	*	0.9	0.2	0.9	0.4	0.1	1.7	1.0	0.5	
100.	*	0.1	0.0	1.4	1.0	0.5	0.9	0.3	0.2	
110.	*	0.0	0.0	1.3	1.2	0.8	0.4	0.2	0.2	
120.	*	0.0	0.0	1.4	1.2	1.0	0.2	0.2	0.2	
130.	*	0.0	0.0	1.1	1.0	0.9	0.2	0.2	0.2	
140.	*	0.0	0.0	1.0	1.0	0.9	0.2	0.3	0.2	
150.	*	0.0	0.0	0.8	0.9	0.8	0.3	0.3	0.2	
160.	*	0.0	0.0	0.8	0.9	0.8	0.4	0.4	0.4	
170.	*	0.0	0.0	1.1	1.1	0.9	0.7	0.6	0.4	
180.	*	0.1	0.1	1.1	0.9	0.6	0.7	0.2	0.1	
190.	*	0.2	0.2	0.7	0.6	0.5	0.4	0.0	0.0	
200.	*	0.2	0.2	0.5	0.6	0.5	0.2	0.0	0.0	
210.	*	0.2	0.2	0.6	0.7	0.6	0.1	0.0	0.0	
220.	*	0.2	0.1	0.6	0.7	0.6	0.1	0.0	0.0	
230.	*	0.1	0.1	0.8	0.8	0.7	0.1	0.0	0.0	
240.	*	0.1	0.1	0.9	1.0	0.8	0.1	0.0	0.0	
250.	*	0.1	0.1	1.2	1.3	0.9	0.1	0.0	0.0	
260.	*	0.1	0.1	1.9	1.8	1.0	0.1	0.0	0.0	
270.	*	0.4	0.1	2.1	1.0	0.3	0.4	0.2	0.0	
280.	*	1.1	0.5	1.2	0.2	0.0	0.9	0.5	0.3	
290.	*	1.2	0.8	0.6	0.0	0.0	0.9	0.7	0.6	
300.	*	1.2	0.9	0.4	0.0	0.0	0.8	0.6	0.5	
310.	*	1.1	0.9	0.2	0.0	0.0	0.7	0.5	0.5	
320.	*	0.9	0.9	0.2	0.0	0.0	0.7	0.5	0.4	
330.	*	0.8	0.7	0.3	0.0	0.0	0.6	0.5	0.4	
340.	*	0.8	0.7	0.3	0.0	0.0	0.6	0.5	0.4	
350.	*	1.2	1.0	0.4	0.0	0.0	0.8	0.4	0.4	
360.	*	1.0	0.6	0.8	0.3	0.2	1.1	0.6	0.6	
MAX	*	1.5	1.0	2.1	1.8	1.0	1.7	1.5	1.2	
DEGR.	*	80	350	270	260	120	90	80	80	

THE HIGHEST CONCENTRATION OF 2.10 PPM OCCURRED AT RECEPTOR REC23.

Central Station “B” Alternative- No Project Output-2030

JOB: 2030centralB- W Flamingo and Hotel Rio Dr

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 21:19: 5

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-127.5	* 25.	360. AG	298.	100.0	0.0	14.6	0.93	4.2
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	352.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	137.7	* 15.	180. AG	298.	100.0	0.0	14.6	0.78	2.5
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	554.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2285.	6.1	0.0	20.7		
6. Link_12	* 152.4	7.6	141.4	7.6	* 11.	270. AG	103.	100.0	0.0	18.3	0.59	1.8
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2710.	6.1	0.0	20.7		
8. Link_4	* -152.4	-7.6	-143.2	-7.6	* 9.	90. AG	103.	100.0	0.0	18.3	0.50	1.5

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
1. Link_2	* 60	47	2.0	668	1200	35.50	1	3
3. Link_5	* 60	47	2.0	565	1200	35.50	1	3
6. Link_12	* 60	13	2.0	2536	1200	35.50	1	3
8. Link_4	* 60	13	2.0	2132	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.0	0.2	0.5
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.1	0.4
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.0	0.0	0.1	0.3
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.0	0.0	0.1	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.4
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.2	0.0	0.0	0.0	0.5
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.6
70.	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.7
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.5	0.4	0.3	0.0	0.0	0.0	1.1
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.1	1.3
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.6	0.8
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.4
120.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.5	0.3
130.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.2
140.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.2
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.2
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.3	0.3	0.2	0.1	0.3	0.3	0.3	0.2
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.2	0.0	0.0	0.0	0.3	0.3	0.4	0.2
180.	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.4
190.	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.4
200.	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.3
210.	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.3
220.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.3
230.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.3
240.	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.5	0.4	0.3
250.	0.6	0.5	0.5	0.5	0.1	0.1	0.0	0.0	0.6	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.3
260.	0.7	0.5	0.4	0.3	0.1	0.1	0.1	0.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.1	1.0	1.1	0.4
270.	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	1.4	0.6
280.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.8	1.1
290.	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.2	0.1	0.0	0.1	0.1	0.4	1.1
300.	0.1	0.0	0.0	0.0	0.7	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.1	0.1	0.2	1.0
310.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.8
320.	0.1	0.1	0.0	0.0	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.7
330.	0.1	0.1	0.2	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.5
340.	0.2	0.2	0.1	0.0	0.4	0.4	0.4	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.5
350.	0.2	0.0	0.0	0.0	0.5	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.6
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.0	0.2	0.5
MAX	0.7	0.5	0.5	0.5	0.7	0.6	0.6	0.5	0.6	0.5	0.5	0.5	0.7	0.6	0.5	0.5	1.1	1.0	1.4	1.3
DEGR.	260	250	250	250	300	300	300	310	130	130	160	160	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.5	0.4	0.3	0.1	0.1	0.6	0.5	0.4	
10.	*	0.4	0.4	0.3	0.1	0.1	0.6	0.4	0.4	
20.	*	0.4	0.4	0.3	0.1	0.1	0.6	0.6	0.4	
30.	*	0.4	0.4	0.3	0.2	0.1	0.4	0.5	0.4	
40.	*	0.5	0.4	0.4	0.2	0.0	0.4	0.3	0.3	
50.	*	0.6	0.5	0.4	0.1	0.0	0.3	0.3	0.2	
60.	*	0.7	0.6	0.4	0.1	0.0	0.4	0.4	0.4	
70.	*	0.9	0.7	0.4	0.1	0.0	0.5	0.6	0.6	
80.	*	1.1	0.7	0.3	0.2	0.0	0.9	1.0	0.8	
90.	*	0.9	0.2	0.5	0.5	0.0	1.2	0.8	0.4	
100.	*	0.2	0.0	0.9	0.8	0.4	0.7	0.2	0.1	
110.	*	0.1	0.0	1.0	0.9	0.6	0.3	0.1	0.1	
120.	*	0.1	0.0	1.0	0.9	0.7	0.2	0.1	0.1	
130.	*	0.1	0.0	0.8	0.8	0.7	0.1	0.1	0.1	
140.	*	0.1	0.0	0.7	0.7	0.7	0.1	0.1	0.1	
150.	*	0.0	0.0	0.7	0.7	0.7	0.2	0.2	0.1	
160.	*	0.0	0.0	0.6	0.6	0.5	0.2	0.3	0.2	
170.	*	0.0	0.0	0.7	0.8	0.7	0.5	0.5	0.3	
180.	*	0.2	0.1	0.8	0.6	0.5	0.5	0.1	0.0	
190.	*	0.2	0.2	0.5	0.5	0.4	0.2	0.0	0.0	
200.	*	0.1	0.1	0.4	0.5	0.4	0.1	0.0	0.0	
210.	*	0.1	0.1	0.4	0.5	0.5	0.1	0.0	0.0	
220.	*	0.2	0.1	0.5	0.6	0.5	0.0	0.0	0.0	
230.	*	0.2	0.1	0.6	0.7	0.6	0.0	0.0	0.0	
240.	*	0.2	0.1	0.7	0.8	0.7	0.0	0.0	0.0	
250.	*	0.2	0.1	0.8	1.0	0.8	0.0	0.0	0.0	
260.	*	0.3	0.1	1.3	1.4	0.8	0.0	0.0	0.0	
270.	*	0.5	0.1	1.5	1.1	0.3	0.2	0.1	0.0	
280.	*	0.9	0.5	0.9	0.3	0.0	0.7	0.4	0.2	
290.	*	1.1	0.8	0.5	0.1	0.0	0.7	0.6	0.5	
300.	*	1.0	0.9	0.3	0.1	0.0	0.6	0.5	0.5	
310.	*	0.9	0.8	0.2	0.1	0.0	0.5	0.4	0.4	
320.	*	0.7	0.6	0.2	0.1	0.0	0.5	0.4	0.3	
330.	*	0.6	0.5	0.2	0.1	0.0	0.5	0.4	0.4	
340.	*	0.5	0.5	0.3	0.0	0.0	0.5	0.4	0.3	
350.	*	0.6	0.6	0.2	0.0	0.0	0.5	0.3	0.3	
360.	*	0.5	0.4	0.3	0.1	0.1	0.6	0.5	0.4	
MAX	*	1.1	0.9	1.5	1.4	0.8	1.2	1.0	0.8	
DEGR.	*	80	300	270	260	250	90	80	80	

THE HIGHEST CONCENTRATION OF 1.50 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030centralB- Flamingo and I-15 NB Ramps- No project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 21:22:13

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
	*	X1	Y1	X2	Y2	*								
1. Link_2	*	7.6	-152.4	7.6	-66.6	*	86.	360. AG	317.	100.0	0.0	18.3	1.04	14.3
2. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2842.	6.1	0.0	17.0		
3. Link_12	*	152.4	7.6	130.1	7.6	*	22.	270. AG	159.	100.0	0.0	18.3	0.80	3.7
4. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2977.	6.1	0.0	24.3		
5. Link_4	*	-152.4	-7.6	-134.8	-7.6	*	18.	90. AG	159.	100.0	0.0	18.3	0.73	2.9
6. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. BR	1385.	6.1	0.0	13.4		

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)		
1. Link_2	*	60	40	2.0	1663	1200	35.50	1	3
3. Link_12	*	60	20	2.0	2895	1200	35.50	1	3
5. Link_4	*	60	20	2.0	2646	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.1	1.0	1.2
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.5	0.7
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.2	0.6
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.5	0.5	0.5	0.5	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.8
70.	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.2	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.1	1.0
80.	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.8	0.6	0.4	0.3	0.0	0.0	0.1	1.6
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.1	0.1	0.4	1.8
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.3	0.8	1.0
110.	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.7	0.5	0.5	0.4	0.0	0.0	0.1	0.2	0.6	0.5	0.8	0.5
120.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.5	0.0	0.1	0.3	0.4	0.5	0.5	0.7	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.6	0.2	0.4	0.5	0.5	0.5	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.4	0.5	0.6	0.6	0.6	0.4	0.4	0.6	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.7	0.7	0.6	0.4	0.4	0.3	0.6	0.3
160.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.8	0.7	0.4	0.2	0.1	0.4	0.4	0.6	0.2
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.4	0.2	0.1	0.0	0.0	0.5	0.3	0.8	0.5
180.	0.5	0.4	0.4	0.2	0.1	0.1	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.7	1.4	1.2
190.	1.0	0.9	0.8	0.7	0.8	0.6	0.2	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.9	1.0	0.8
200.	0.5	0.5	0.6	0.6	0.9	1.0	0.7	0.4	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.4	0.7	0.3
210.	0.4	0.3	0.3	0.3	0.5	0.6	0.8	0.7	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.2
220.	0.4	0.3	0.3	0.3	0.1	0.3	0.7	0.7	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.2
230.	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.6	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.3
240.	0.6	0.6	0.5	0.5	0.0	0.0	0.1	0.4	0.6	0.5	0.6	0.5	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.3
250.	0.8	0.8	0.7	0.6	0.0	0.0	0.0	0.1	0.8	0.7	0.5	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.8	0.4
260.	0.9	0.7	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.2	1.3	0.4
270.	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.7	1.5	0.8
280.	0.2	0.2	0.2	0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.4	0.2	0.9	1.2
290.	0.2	0.2	0.2	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.3	0.2	0.5	1.3
300.	0.2	0.2	0.2	0.1	0.7	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.3	0.2	0.5	1.2
310.	0.2	0.2	0.2	0.2	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.2	0.4	1.0
320.	0.2	0.2	0.2	0.2	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
330.	0.3	0.2	0.2	0.2	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.3	0.4	0.7
340.	0.3	0.2	0.2	0.1	0.7	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.4	0.5	0.8
350.	0.2	0.1	0.0	0.0	0.7	0.7	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6	0.4	0.8	1.0
360.	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.1	1.0	1.2
MAX	1.0	0.9	0.8	0.7	0.9	1.0	0.8	0.7	0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.6	1.4	1.2	1.5	1.8
DEGR.	190	190	190	190	200	200	210	210	160	160	160	160	80	150	140	140	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	0.9	0.5	0.4	0.1	0.0	0.6	0.4	0.4
10.	0.5	0.4	0.6	0.2	0.1	0.7	0.6	0.5
20.	0.5	0.4	0.5	0.4	0.2	0.7	0.7	0.7
30.	0.6	0.5	0.6	0.3	0.2	0.6	0.5	0.5
40.	0.6	0.5	0.5	0.3	0.2	0.4	0.4	0.4
50.	0.7	0.6	0.5	0.3	0.2	0.5	0.3	0.4
60.	0.8	0.7	0.5	0.3	0.2	0.4	0.4	0.4
70.	1.1	0.9	0.5	0.4	0.2	0.6	0.7	0.7
80.	1.5	0.9	0.5	0.5	0.2	1.2	1.2	1.0
90.	0.9	0.2	0.8	0.8	0.2	1.4	0.8	0.3
100.	0.1	0.0	1.2	1.1	0.9	0.7	0.1	0.0
110.	0.0	0.0	1.3	1.2	1.0	0.2	0.0	0.0
120.	0.0	0.0	1.1	1.1	1.0	0.0	0.0	0.0
130.	0.0	0.0	0.9	1.1	0.9	0.0	0.0	0.0
140.	0.0	0.0	0.8	0.9	0.7	0.0	0.0	0.2
150.	0.0	0.0	0.6	0.6	0.7	0.1	0.3	0.6
160.	0.0	0.0	0.7	0.8	0.9	0.5	0.8	0.9
170.	0.1	0.0	1.2	1.2	1.1	0.9	0.7	0.4
180.	0.8	0.4	0.7	0.7	0.6	0.3	0.1	0.0
190.	1.0	1.1	0.4	0.5	0.5	0.0	0.0	0.0
200.	0.3	0.6	0.4	0.5	0.5	0.0	0.0	0.0
210.	0.0	0.2	0.5	0.6	0.5	0.0	0.0	0.0
220.	0.0	0.0	0.5	0.6	0.6	0.0	0.0	0.0
230.	0.0	0.0	0.6	0.7	0.6	0.0	0.0	0.0
240.	0.0	0.0	0.7	0.8	0.7	0.0	0.0	0.0
250.	0.0	0.0	0.9	1.1	1.0	0.0	0.0	0.0
260.	0.0	0.0	1.4	1.5	1.1	0.0	0.0	0.0
270.	0.3	0.1	1.5	1.2	0.4	0.3	0.2	0.0
280.	1.0	0.4	1.0	0.5	0.0	0.8	0.5	0.4
290.	1.1	0.7	0.6	0.2	0.0	0.8	0.6	0.5
300.	1.0	0.8	0.4	0.1	0.0	0.7	0.6	0.5
310.	1.0	0.9	0.2	0.1	0.0	0.6	0.5	0.4
320.	1.0	0.8	0.2	0.1	0.0	0.5	0.5	0.4
330.	1.0	0.8	0.3	0.1	0.0	0.5	0.4	0.4
340.	0.8	0.7	0.3	0.1	0.0	0.4	0.4	0.4
350.	1.1	0.8	0.3	0.1	0.0	0.4	0.4	0.3
360.	0.9	0.5	0.4	0.1	0.0	0.6	0.4	0.4
MAX	1.5	1.1	1.5	1.5	1.1	1.4	1.2	1.0
DEGR.	80	190	270	260	170	90	80	80

THE HIGHEST CONCENTRATION OF 1.80 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2030centralB- Hotel Rio Dr and Dean Martin Dr- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 21:23:31

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* LENGTH (M)	* BRG TYPE (DEG)	* VPH	* EF (G/MI)	* H (M)	* W (M)	* V/C	* QUEUE (VEH)
1. Link_2	7.6	-152.4	7.6	-131.6	21.	360. AG	57.	100.0	0.0	7.3	0.80	3.5
2. Link_3	7.6	0.0	7.6	152.4	152.	360. AG	1103.	6.1	0.0	13.4		
3. Link_5	-7.6	152.4	-7.6	137.7	15.	180. AG	86.	100.0	0.0	11.0	0.64	2.4
4. Link_7	-7.6	0.0	-7.6	-152.4	152.	180. AG	1114.	6.1	0.0	13.4		
5. Link_13	0.0	7.6	-152.4	7.6	152.	270. AG	819.	6.1	0.0	9.7		
6. Link_4	-152.4	-7.6	-144.2	-7.6	8.	90. AG	200.	100.0	0.0	11.0	0.42	1.4

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
1. Link_2	60	18	2.0	1215	1200	35.50	1	3
3. Link_5	60	18	2.0	1469	1200	35.50	1	3
6. Link_4	60	42	2.0	352	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.8	0.6
10.	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	0.2	0.2	0.1	0.1	0.0	0.0	0.4	0.2
20.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.2	0.0
30.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.4	0.2	0.2	0.2	0.0	0.0	0.1	0.0
40.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.1	0.0
50.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.1	0.0
60.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
70.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
80.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0
110.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
120.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
130.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
140.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.0
150.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.1	0.0
160.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.2	0.0
170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.0
180.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1
190.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.1	0.5	0.3
200.	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.5	0.3
210.	0.3	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.2
220.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.2
230.	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2
240.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.2
250.	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.2
260.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.2
270.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.7	0.2
280.	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.4
290.	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.2	0.2	0.2	0.3
300.	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
310.	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	
320.	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.1	
330.	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.2	
340.	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.4	0.2	
350.	0.2	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.3	0.7	0.5	
360.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.8	0.6	
MAX	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.4	0.3	0.2	0.2	0.5	0.4	0.8	0.6	
DEGR.	250	250	220	220	210	210	290	290	170	150	160	160	30	20	20	20	260	250	0	0	

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.3	0.1	0.1	0.0	0.0	0.4	0.1	0.1	
10.	*	0.0	0.0	0.2	0.1	0.1	0.6	0.4	0.2	
20.	*	0.0	0.0	0.3	0.2	0.2	0.6	0.4	0.3	
30.	*	0.0	0.0	0.2	0.2	0.2	0.5	0.5	0.4	
40.	*	0.0	0.0	0.2	0.2	0.2	0.4	0.4	0.3	
50.	*	0.0	0.0	0.2	0.1	0.1	0.3	0.3	0.3	
60.	*	0.0	0.0	0.2	0.1	0.1	0.3	0.2	0.2	
70.	*	0.0	0.0	0.3	0.1	0.1	0.2	0.2	0.2	
80.	*	0.0	0.0	0.3	0.1	0.1	0.2	0.2	0.2	
90.	*	0.0	0.0	0.4	0.1	0.1	0.2	0.2	0.2	
100.	*	0.0	0.0	0.4	0.1	0.1	0.2	0.2	0.2	
110.	*	0.0	0.0	0.3	0.2	0.1	0.2	0.2	0.2	
120.	*	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	
130.	*	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	
140.	*	0.0	0.0	0.2	0.2	0.2	0.3	0.3	0.2	
150.	*	0.0	0.0	0.3	0.3	0.3	0.4	0.3	0.2	
160.	*	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.3	
170.	*	0.0	0.0	0.7	0.6	0.4	0.7	0.5	0.3	
180.	*	0.0	0.0	0.8	0.4	0.2	0.8	0.2	0.1	
190.	*	0.2	0.1	0.4	0.1	0.1	0.4	0.0	0.0	
200.	*	0.2	0.2	0.2	0.1	0.1	0.2	0.0	0.0	
210.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
220.	*	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
230.	*	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.0	
240.	*	0.1	0.1	0.3	0.2	0.2	0.1	0.0	0.0	
250.	*	0.1	0.1	0.4	0.3	0.2	0.1	0.0	0.0	
260.	*	0.1	0.1	0.6	0.3	0.2	0.1	0.0	0.0	
270.	*	0.1	0.1	0.6	0.2	0.0	0.1	0.0	0.0	
280.	*	0.2	0.2	0.3	0.0	0.0	0.3	0.1	0.1	
290.	*	0.3	0.2	0.1	0.0	0.0	0.3	0.2	0.1	
300.	*	0.2	0.2	0.0	0.0	0.0	0.3	0.1	0.1	
310.	*	0.1	0.2	0.0	0.0	0.0	0.2	0.1	0.1	
320.	*	0.1	0.2	0.0	0.0	0.0	0.2	0.1	0.1	
330.	*	0.1	0.2	0.0	0.0	0.0	0.2	0.1	0.1	
340.	*	0.3	0.3	0.0	0.0	0.0	0.3	0.1	0.1	
350.	*	0.5	0.3	0.0	0.0	0.0	0.3	0.1	0.1	
360.	*	0.3	0.1	0.1	0.0	0.0	0.4	0.1	0.1	
MAX	*	0.5	0.3	0.8	0.6	0.4	0.8	0.5	0.4	
DEGR.	*	350	340	180	170	160	180	30	30	

THE HIGHEST CONCENTRATION OF 0.80 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030centralB- W. Tropicana Ave and Dean Martin Dr- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 21:27: 9

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-132.7	* 20.	360.	AG	273.	100.0	0.0	14.6	0.81	3.3
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360.	AG	809.	6.1	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	134.1	* 18.	180.	AG	341.	100.0	0.0	18.3	0.78	3.1
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180.	AG	849.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90.	AG	2291.	6.1	0.0	17.0		
6. Link_12	* 152.4	7.6	138.1	7.6	* 14.	270.	AG	135.	100.0	0.0	14.6	0.65	2.4
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270.	AG	2551.	6.1	0.0	17.0		
8. Link_4	* -152.4	-7.6	-137.4	-7.6	* 15.	90.	AG	108.	100.0	0.0	14.6	0.68	2.5

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
1. Link_2	* 60	43	2.0	841	1200	35.50	1	3
3. Link_5	* 60	43	2.0	1021	1200	35.50	1	3
6. Link_12	* 60	17	2.0	2521	1200	35.50	1	3
8. Link_4	* 60	17	2.0	2117	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.1	0.6	0.8
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.5	0.5	0.3	0.3	0.0	0.0	0.3	0.6
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.2	0.5
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.4
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.4
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.5
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.6
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.3	0.2	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.1	0.8
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.6	0.5	0.4	0.3	0.0	0.0	0.1	1.2
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.2	1.4
100.	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.6	0.8
110.	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.7	0.4
120.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.6	0.3
130.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.5	0.1
140.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.4	0.5	0.5	0.1	0.1	0.1	0.2	0.3	0.3	0.5	0.2
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.2	0.2	0.2	0.3	0.3	0.3	0.5	0.2
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.3	0.3	0.2	0.2	0.3	0.3	0.4	0.2
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.2	0.1	0.0	0.0	0.3	0.3	0.4	0.2
180.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.3
190.	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.6	0.5
200.	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.3
210.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.3
220.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.4
230.	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3
240.	0.5	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.3
250.	0.7	0.6	0.6	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.4
260.	0.7	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.1	0.9	1.1	0.4
270.	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.4	1.4	0.6
280.	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.7	1.1
290.	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.1	0.1	0.3	1.2
300.	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.1	0.1	1.0
310.	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.8
320.	0.1	0.1	0.1	0.2	0.6	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.7
330.	0.2	0.2	0.3	0.3	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.7
340.	0.4	0.3	0.2	0.2	0.5	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.3	0.3	0.6
350.	0.2	0.1	0.0	0.0	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.6	0.3	0.5	0.7
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.1	0.6	0.8
MAX	0.7	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.5	1.1	0.9	1.4	1.4
DEGR.	250	250	250	250	70	70	300	310	130	120	120	140	70	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.6	0.5	0.4	0.1	0.1	0.7	0.4	0.4
10.	*		0.4	0.3	0.5	0.2	0.3	0.8	0.6	0.5
20.	*		0.4	0.4	0.4	0.2	0.1	0.7	0.6	0.5
30.	*		0.4	0.4	0.4	0.1	0.1	0.6	0.6	0.5
40.	*		0.5	0.4	0.3	0.1	0.1	0.4	0.4	0.3
50.	*		0.6	0.5	0.4	0.1	0.1	0.4	0.4	0.4
60.	*		0.7	0.5	0.4	0.1	0.1	0.6	0.5	0.4
70.	*		0.9	0.6	0.4	0.1	0.1	0.5	0.7	0.6
80.	*		1.3	0.6	0.4	0.1	0.1	1.0	1.1	0.8
90.	*		0.7	0.2	0.7	0.4	0.1	1.3	0.9	0.4
100.	*		0.1	0.0	1.1	0.8	0.4	0.6	0.3	0.1
110.	*		0.0	0.0	1.1	1.0	0.6	0.3	0.2	0.1
120.	*		0.0	0.0	1.1	0.9	0.8	0.2	0.2	0.1
130.	*		0.0	0.0	0.9	0.8	0.7	0.2	0.2	0.1
140.	*		0.0	0.0	0.7	0.7	0.7	0.2	0.2	0.2
150.	*		0.0	0.0	0.7	0.7	0.6	0.3	0.2	0.2
160.	*		0.0	0.0	0.7	0.7	0.6	0.3	0.3	0.3
170.	*		0.0	0.0	0.9	1.0	0.8	0.6	0.5	0.3
180.	*		0.1	0.1	1.0	0.7	0.5	0.7	0.2	0.1
190.	*		0.2	0.2	0.6	0.5	0.4	0.3	0.0	0.0
200.	*		0.2	0.1	0.4	0.5	0.4	0.1	0.0	0.0
210.	*		0.2	0.1	0.4	0.5	0.4	0.1	0.0	0.0
220.	*		0.1	0.1	0.5	0.6	0.5	0.0	0.0	0.0
230.	*		0.1	0.1	0.6	0.6	0.5	0.1	0.0	0.0
240.	*		0.1	0.1	0.7	0.7	0.6	0.1	0.0	0.0
250.	*		0.1	0.1	0.9	1.0	0.7	0.0	0.0	0.0
260.	*		0.1	0.1	1.3	1.3	0.7	0.1	0.0	0.0
270.	*		0.3	0.1	1.6	0.8	0.2	0.2	0.0	0.0
280.	*		0.9	0.4	0.9	0.1	0.0	0.6	0.4	0.2
290.	*		1.0	0.7	0.5	0.0	0.0	0.6	0.5	0.4
300.	*		1.0	0.7	0.3	0.0	0.0	0.5	0.5	0.4
310.	*		0.8	0.7	0.2	0.0	0.0	0.6	0.4	0.4
320.	*		0.7	0.6	0.2	0.0	0.0	0.5	0.4	0.3
330.	*		0.6	0.6	0.2	0.0	0.0	0.5	0.4	0.3
340.	*		0.6	0.6	0.2	0.0	0.0	0.5	0.3	0.3
350.	*		0.8	0.7	0.2	0.0	0.0	0.5	0.3	0.3
360.	*		0.6	0.5	0.4	0.1	0.1	0.7	0.4	0.4
MAX	*		1.3	0.7	1.6	1.3	0.8	1.3	1.1	0.8
DEGR.	*		80	300	270	260	120	90	80	80

THE HIGHEST CONCENTRATION OF 1.60 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030centralB- Tropicana and I-15 NB Ramps- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 21:28:33

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
	*	X1	Y1	X2	Y2	*								
1. Link_2	*	7.6	-152.4	7.6	333.5	*	486.	360. AG	190.	100.0	0.0	11.0	1.43	81.0
2. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	1787.	6.1	0.0	17.0		
3. Link_12	*	152.4	7.6	134.5	7.6	*	18.	270. AG	222.	100.0	0.0	25.6	0.74	3.0
4. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2988.	6.1	0.0	24.3		
5. Link_4	*	-152.4	-7.6	-139.8	-7.6	*	13.	90. AG	159.	100.0	0.0	18.3	0.52	2.1
6. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. BR	2223.	6.1	0.0	13.4		

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)		
1. Link_2	*	60	40	2.0	1378	1200	35.50	1	3
3. Link_12	*	60	20	2.0	3727	1200	35.50	1	3
5. Link_4	*	60	20	2.0	1893	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.3	0.2	0.1	0.1	0.7	0.6	0.4	0.3	0.1	0.0	0.0	0.0	0.4	0.4	0.4	0.3	1.5	0.7	4.3	4.3
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.6	0.4	0.3	0.2	1.1	0.9	0.8	0.8	0.1	0.0	1.9	1.9
20.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.8	0.7	0.6	0.4	1.2	1.1	1.1	1.0	0.0	0.0	0.9	0.9
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.7	0.7	0.6	0.6	1.0	1.0	1.0	1.0	0.0	0.0	0.4	0.5
40.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.7	0.7	0.6	0.5	0.9	0.8	0.7	0.7	0.0	0.0	0.3	0.5
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.7	0.6	0.5	0.5	0.8	0.5	0.5	0.5	0.0	0.0	0.4	0.6
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.2	0.6
70.	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.1	0.5	0.5	0.5	0.4	0.7	0.7	0.6	0.5	0.0	0.0	0.2	0.7
80.	0.0	0.0	0.0	0.0	0.4	0.2	0.1	0.0	0.5	0.5	0.5	0.5	0.8	0.7	0.5	0.5	0.0	0.0	0.2	1.1
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.1	0.1	0.4	1.2
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.4	0.2	0.6	0.7
110.	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.6	0.3	0.3	0.3	0.2	0.4	0.3	0.7	0.4
120.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.8	0.8	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3
130.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.1	0.9	0.8	0.8	0.4	0.3	0.3	0.3	0.3	0.3	0.6	0.3
140.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.7	0.4	0.4	0.3	0.3	0.2	0.2	0.6	0.3
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.7	0.4	0.4	0.3	0.2	0.3	0.2	0.7	0.4
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.7	0.4	0.2	0.1	0.0	0.2	0.2	1.1	0.6
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.4	0.1	0.0	0.0	0.0	0.2	0.2	1.8	1.2
180.	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.5	3.1	2.4
190.	0.9	0.7	0.6	0.5	0.5	0.3	0.1	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.7	1.1	2.8	2.1
200.	0.9	0.8	0.7	0.7	0.7	0.6	0.4	0.2	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.6	1.1	1.9	1.4
210.	0.9	0.8	0.7	0.6	0.6	0.5	0.5	0.4	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.5	1.1	1.7	1.1
220.	0.9	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.4	1.1	1.5	0.9
230.	0.9	0.9	0.9	0.7	0.4	0.4	0.4	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.4	1.1	1.3	0.9
240.	1.1	1.1	0.9	0.9	0.4	0.4	0.3	0.3	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	1.4	1.3	1.4	0.8
250.	1.3	1.3	1.0	1.0	0.4	0.4	0.3	0.3	0.8	0.7	0.4	0.3	0.0	0.0	0.0	0.0	1.6	1.5	1.6	0.8
260.	1.4	1.2	0.9	0.8	0.4	0.4	0.3	0.3	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	2.0	1.8	2.0	0.8
270.	0.9	0.8	0.5	0.5	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.3	2.3	1.2
280.	0.7	0.7	0.5	0.5	0.7	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	1.1	0.8	1.7	1.8
290.	0.7	0.7	0.5	0.5	0.9	0.9	0.7	0.7	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	1.0	0.8	1.3	1.7
300.	0.7	0.7	0.5	0.5	1.0	0.9	0.7	0.7	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.2	1.0	0.9	1.2	1.5
310.	0.7	0.7	0.7	0.6	1.0	0.9	0.8	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	1.2	0.9	1.2	1.5
320.	0.9	0.7	0.7	0.7	1.1	1.0	0.9	0.8	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.2	1.0	1.3	1.6
330.	1.0	0.9	0.8	0.7	1.3	1.1	1.0	0.9	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.5	1.2	1.7	1.7
340.	1.2	1.0	0.9	0.7	1.4	1.4	1.2	1.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.9	1.4	2.2	2.1
350.	1.2	0.9	0.7	0.4	1.6	1.4	1.1	1.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	2.5	1.7	3.5	3.5
360.	0.3	0.2	0.1	0.1	0.7	0.6	0.4	0.3	0.1	0.0	0.0	0.0	0.4	0.4	0.4	0.3	1.5	0.7	4.3	4.3
MAX	1.4	1.3	1.0	1.0	1.6	1.4	1.2	1.1	1.1	0.9	0.8	0.8	1.2	1.1	1.1	1.0	2.5	1.8	4.3	4.3
DEGR.	260	250	250	250	350	340	340	340	130	130	120	120	20	20	20	20	350	260	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	2.0	1.1	0.8	0.4	0.1	1.1	0.8	0.6
10.	*	0.4	0.3	1.8	1.1	0.8	2.0	1.6	1.4
20.	*	0.3	0.3	1.5	1.3	1.0	1.8	1.6	1.4
30.	*	0.3	0.3	1.4	1.0	0.9	1.4	1.2	1.2
40.	*	0.4	0.3	1.2	1.0	0.7	1.1	1.0	0.9
50.	*	0.4	0.4	1.1	0.8	0.7	1.0	0.8	0.8
60.	*	0.5	0.4	1.2	0.8	0.6	0.9	0.7	0.6
70.	*	0.7	0.6	1.1	0.9	0.6	0.8	0.8	0.7
80.	*	1.0	0.6	1.0	1.0	0.6	1.2	1.2	1.0
90.	*	0.5	0.1	1.2	1.3	0.6	1.3	0.9	0.5
100.	*	0.1	0.0	1.5	1.4	1.0	0.8	0.5	0.3
110.	*	0.0	0.0	1.7	1.5	1.2	0.6	0.4	0.3
120.	*	0.0	0.0	1.5	1.4	1.2	0.5	0.4	0.3
130.	*	0.0	0.0	1.3	1.4	1.1	0.5	0.4	0.4
140.	*	0.0	0.0	1.1	1.3	1.0	0.5	0.5	0.4
150.	*	0.0	0.0	1.1	1.1	1.0	0.6	0.5	0.5
160.	*	0.0	0.0	1.1	1.1	1.1	0.7	0.6	0.5
170.	*	0.0	0.0	1.2	1.0	0.9	0.7	0.4	0.2
180.	*	0.6	0.2	0.6	0.6	0.5	0.1	0.0	0.0
190.	*	1.3	0.8	0.4	0.5	0.5	0.0	0.0	0.0
200.	*	1.1	0.8	0.4	0.5	0.5	0.0	0.0	0.0
210.	*	0.9	0.7	0.5	0.6	0.5	0.0	0.0	0.0
220.	*	0.7	0.6	0.5	0.6	0.6	0.0	0.0	0.0
230.	*	0.7	0.5	0.6	0.7	0.6	0.0	0.0	0.0
240.	*	0.6	0.5	0.7	0.8	0.7	0.0	0.0	0.0
250.	*	0.6	0.5	0.9	1.1	0.9	0.0	0.0	0.0
260.	*	0.5	0.5	1.3	1.5	1.0	0.0	0.0	0.0
270.	*	0.8	0.6	1.5	1.2	0.4	0.2	0.1	0.0
280.	*	1.3	0.9	1.0	0.5	0.0	0.8	0.5	0.4
290.	*	1.6	1.2	0.6	0.2	0.0	0.8	0.6	0.5
300.	*	1.4	1.2	0.4	0.1	0.0	0.7	0.6	0.5
310.	*	1.4	1.2	0.2	0.1	0.0	0.6	0.5	0.4
320.	*	1.5	1.2	0.2	0.1	0.0	0.5	0.5	0.4
330.	*	1.7	1.4	0.3	0.1	0.0	0.5	0.4	0.4
340.	*	1.9	1.6	0.3	0.1	0.0	0.4	0.4	0.4
350.	*	2.7	2.1	0.3	0.1	0.0	0.4	0.4	0.3
360.	*	2.0	1.1	0.8	0.4	0.1	1.1	0.8	0.6
MAX	*	2.7	2.1	1.8	1.5	1.2	2.0	1.6	1.4
DEGR.	*	350	350	10	110	110	10	10	10

THE HIGHEST CONCENTRATION OF 4.30 PPM OCCURRED AT RECEPTOR REC19.

Central Station “B” Alternative- With Project Output-2030

JOB: 2030centralB- W Flamingo Rd and Hotel Rio Dr- With Project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:29:59

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	88.0	* 240.	360. AG	279.	100.0	0.0	14.6	1.26	40.1
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	714.	6.1	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	142.0	* 10.	180. AG	279.	100.0	0.0	14.6	0.59	1.7
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	554.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2340.	6.1	0.0	20.7		
6. Link_12	* 152.4	7.6	137.2	7.6	* 15.	270. AG	127.	100.0	0.0	18.3	0.71	2.5
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	3200.	6.1	0.0	20.7		
8. Link_4	* -152.4	-7.6	-140.8	-7.6	* 12.	90. AG	127.	100.0	0.0	18.3	0.54	1.9

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
1. Link_2	* 60	44	2.0	1213	1200	35.50	1	3
3. Link_5	* 60	44	2.0	565	1200	35.50	1	3
6. Link_12	* 60	16	2.0	2857	1200	35.50	1	3
8. Link_4	* 60	16	2.0	2173	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.8	0.1	3.0	3.4
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.5	0.4	0.3	0.3	0.1	0.0	1.8	2.0
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.2	0.1	0.1	1.0	0.8	0.7	0.6	0.0	0.0	0.9	1.2
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.2	0.1	0.1	1.1	1.0	0.9	0.9	0.0	0.0	0.6	0.9
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.6	0.4	0.2	0.1	1.0	1.0	0.8	0.8	0.0	0.0	0.3	0.8
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.7	0.6	0.5	0.2	0.8	0.8	0.8	0.6	0.0	0.0	0.4	0.8
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.6	0.6	0.5	0.5	0.9	0.9	0.8	0.8	0.0	0.0	0.3	0.9
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.3	0.2	0.6	0.5	0.5	0.5	1.1	1.0	0.9	0.9	0.0	0.0	0.3	1.0
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.6	0.5	0.5	0.5	1.2	1.0	0.8	0.7	0.0	0.0	0.3	1.4
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.7	0.6	0.5	0.5	0.0	0.0	0.5	1.6
100.	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.6	0.6	0.6	0.6	0.5	0.5	0.3	0.2	0.9	1.1
110.	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	1.1	0.9	0.8	0.8	0.6	0.5	0.5	0.5	0.5	0.4	0.9	0.7
120.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.9	0.6	0.6	0.5	0.5	0.4	0.4	0.8	0.6
130.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.3	1.1	1.0	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.8	0.5
140.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.3	1.1	1.0	0.9	0.7	0.7	0.6	0.6	0.3	0.3	0.7	0.5
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.1	1.1	1.0	0.8	0.7	0.6	0.5	0.3	0.3	1.0	0.7
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.2	1.1	1.0	0.7	0.5	0.3	0.1	0.3	0.3	1.2	1.0
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.4	0.2	0.0	0.0	0.0	0.4	0.3	2.1	1.9
180.	0.5	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.6	0.8	3.6	3.2
190.	1.3	1.0	0.8	0.6	0.7	0.5	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	2.7	1.9	3.1	2.9
200.	1.5	1.2	1.1	1.0	1.1	1.0	0.6	0.4	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	2.2	1.7	2.2	2.0
210.	1.2	1.1	1.0	1.0	1.0	0.9	0.8	0.6	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.7	1.4	1.9	1.7
220.	1.1	1.0	0.9	0.8	0.9	0.8	0.7	0.7	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.5	1.3	1.5	1.3
230.	1.0	0.9	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.4	1.1	1.4	1.3
240.	1.2	1.1	1.0	1.0	0.8	0.7	0.6	0.6	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	1.4	1.3	1.3	1.2
250.	1.5	1.3	1.2	1.1	0.8	0.7	0.5	0.5	0.7	0.6	0.4	0.3	0.0	0.0	0.0	0.0	1.6	1.5	1.5	1.2
260.	1.5	1.2	1.0	0.9	0.7	0.7	0.6	0.5	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	2.1	1.8	2.0	1.1
270.	0.9	0.7	0.6	0.6	0.7	0.7	0.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.2	2.3	1.4
280.	0.7	0.6	0.6	0.6	1.0	1.0	0.7	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.1	0.8	1.6	2.0
290.	0.7	0.7	0.6	0.6	1.3	1.2	0.9	0.9	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.1	0.9	0.8	1.2	2.0
300.	0.8	0.7	0.6	0.6	1.5	1.3	1.1	0.9	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	1.0	0.9	1.0	1.9
310.	0.8	0.7	0.6	0.5	1.4	1.3	1.1	1.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	1.2	0.9	1.0	1.8
320.	0.9	0.8	0.6	0.3	1.4	1.2	1.1	1.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	1.3	1.0	1.2	1.8
330.	0.9	0.6	0.4	0.2	1.5	1.2	1.1	1.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.5	1.2	1.6	2.1
340.	0.9	0.4	0.2	0.1	1.5	1.3	1.1	1.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	2.0	1.3	2.0	2.2
350.	0.2	0.1	0.0	0.0	1.2	0.9	0.6	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	2.1	0.9	2.8	3.2
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.8	0.1	3.0	3.4
MAX	1.5	1.3	1.2	1.1	1.5	1.3	1.1	1.1	1.3	1.2	1.1	1.0	1.2	1.0	0.9	0.9	2.7	1.9	3.6	3.4
DEGR.	200	250	250	250	300	300	300	310	130	160	150	150	80	40	30	30	190	190	180	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.5	0.8	0.4	0.1	0.0	0.8	0.4	0.4	
10.	*	0.5	0.4	1.0	0.2	0.1	1.5	0.9	0.7	
20.	*	0.4	0.4	1.4	0.7	0.3	1.8	1.6	1.2	
30.	*	0.5	0.4	1.2	1.0	0.7	1.4	1.3	1.1	
40.	*	0.5	0.4	1.2	0.9	0.7	1.3	1.1	1.1	
50.	*	0.6	0.5	1.1	0.8	0.7	1.2	1.1	1.0	
60.	*	0.7	0.6	1.1	0.8	0.6	1.2	1.0	0.9	
70.	*	0.9	0.7	1.1	0.8	0.7	1.3	1.2	1.2	
80.	*	1.3	0.7	1.1	0.9	0.6	1.6	1.6	1.4	
90.	*	0.9	0.2	1.4	1.2	0.6	1.9	1.4	0.9	
100.	*	0.3	0.0	1.7	1.6	1.0	1.3	0.8	0.6	
110.	*	0.1	0.0	1.8	1.7	1.4	1.0	0.7	0.7	
120.	*	0.1	0.0	1.8	1.7	1.4	0.9	0.7	0.6	
130.	*	0.1	0.0	1.6	1.5	1.4	0.8	0.7	0.7	
140.	*	0.1	0.0	1.6	1.5	1.4	0.9	0.8	0.8	
150.	*	0.0	0.0	1.7	1.6	1.4	1.1	1.0	0.8	
160.	*	0.0	0.0	1.8	1.7	1.5	1.3	1.1	0.9	
170.	*	0.1	0.0	1.8	1.6	1.3	1.4	0.9	0.4	
180.	*	1.1	0.3	1.0	0.8	0.7	0.6	0.2	0.0	
190.	*	2.3	1.2	0.6	0.6	0.5	0.2	0.0	0.0	
200.	*	1.8	1.4	0.5	0.6	0.5	0.1	0.0	0.0	
210.	*	1.4	1.1	0.5	0.6	0.5	0.1	0.0	0.0	
220.	*	1.3	1.0	0.6	0.7	0.6	0.0	0.0	0.0	
230.	*	1.2	0.9	0.7	0.8	0.7	0.0	0.0	0.0	
240.	*	1.1	0.9	0.8	0.9	0.8	0.0	0.0	0.0	
250.	*	1.0	0.8	1.0	1.2	1.0	0.0	0.0	0.0	
260.	*	1.1	0.8	1.5	1.6	1.0	0.0	0.0	0.0	
270.	*	1.4	0.9	1.8	1.3	0.3	0.2	0.1	0.0	
280.	*	1.8	1.2	1.1	0.3	0.0	0.8	0.5	0.3	
290.	*	2.0	1.6	0.6	0.1	0.0	0.8	0.7	0.6	
300.	*	2.0	1.7	0.4	0.1	0.0	0.7	0.6	0.5	
310.	*	1.9	1.6	0.2	0.1	0.0	0.6	0.5	0.5	
320.	*	1.9	1.5	0.2	0.1	0.0	0.6	0.5	0.4	
330.	*	2.1	1.6	0.3	0.1	0.0	0.6	0.5	0.4	
340.	*	2.3	1.8	0.3	0.0	0.0	0.6	0.4	0.4	
350.	*	2.8	1.8	0.3	0.0	0.0	0.6	0.4	0.4	
360.	*	1.5	0.8	0.4	0.1	0.0	0.8	0.4	0.4	
MAX	*	2.8	1.8	1.8	1.7	1.5	1.9	1.6	1.4	
DEGR.	*	350	340	110	110	160	90	20	80	

THE HIGHEST CONCENTRATION OF 3.60 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030centralB- W Flamingo Rd and Hotel Rio Dr- With Project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:30:14

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	203.6	*	356.	360. AG	273.	100.0	0.0	14.6	1.38	59.3
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	863.	6.1	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	142.3	*	10.	180. AG	273.	100.0	0.0	14.6	0.54	1.7
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	554.	6.1	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2362.	6.1	0.0	20.7		
6. Link_12	*	152.4	7.6	134.5	7.6	*	18.	270. AG	135.	100.0	0.0	18.3	0.77	3.0
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	3401.	6.1	0.0	20.7		
8. Link_4	*	-152.4	-7.6	-140.0	-7.6	*	12.	90. AG	135.	100.0	0.0	18.3	0.56	2.1

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)		
1. Link_2	*	60	43	2.0	1436	1200	35.50	1	3
3. Link_5	*	60	43	2.0	565	1200	35.50	1	3
6. Link_12	*	60	17	2.0	2990	1200	35.50	1	3
8. Link_4	*	60	17	2.0	2189	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.2	0.1	0.0	0.0	0.6	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	1.5	0.6	3.8	4.1
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.5	0.3	0.1	0.0	1.1	0.9	0.6	0.6	0.1	0.0	2.0	2.2
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.8	0.8	0.6	0.5	1.3	1.2	1.1	1.0	0.0	0.0	0.9	1.2
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.8	0.7	0.7	0.6	1.2	1.0	1.0	0.9	0.0	0.0	0.6	0.9
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.7	0.6	0.6	0.6	1.0	0.9	0.8	0.8	0.0	0.0	0.3	0.8
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.7	0.6	0.6	0.5	0.9	0.8	0.8	0.6	0.0	0.0	0.4	0.8
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.4	0.6	0.6	0.5	0.5	0.9	0.9	0.8	0.8	0.0	0.0	0.4	0.9
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.2	0.6	0.5	0.5	0.5	1.1	1.0	0.9	0.9	0.0	0.0	0.3	1.0
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.6	0.5	0.5	0.5	1.2	0.9	0.8	0.7	0.0	0.0	0.4	1.5
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.7	0.6	0.5	0.5	0.1	0.0	0.7	1.6
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.3	0.9	1.1
110.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	1.1	0.9	0.8	0.8	0.6	0.5	0.5	0.5	0.5	0.4	0.9	0.8
120.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.2	1.0	0.9	0.9	0.6	0.6	0.5	0.5	0.4	0.4	0.8	0.6
130.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.3	1.1	1.0	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.9	0.5
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.1	1.0	1.0	0.7	0.6	0.6	0.6	0.4	0.3	0.8	0.5
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.3	0.3	1.0	0.7
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.2	1.1	1.0	0.7	0.5	0.3	0.1	0.3	0.3	1.3	1.0
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.8	0.7	0.5	0.2	0.0	0.0	0.0	0.4	0.3	2.1	1.8
180.	0.5	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.6	0.8	3.7	3.2
190.	1.3	0.9	0.7	0.6	0.7	0.5	0.1	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	2.7	1.8	3.2	2.8
200.	1.4	1.3	1.1	1.0	1.1	1.0	0.6	0.3	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	2.2	1.6	2.3	2.0
210.	1.2	1.1	1.0	0.9	1.0	0.9	0.8	0.6	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.8	1.4	1.8	1.6
220.	1.2	1.0	0.9	0.9	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.6	1.3	1.5	1.4
230.	0.9	0.9	0.9	0.8	0.7	0.7	0.7	0.5	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.5	1.2	1.5	1.3
240.	1.3	1.2	1.0	1.0	0.8	0.7	0.6	0.6	0.7	0.6	0.5	0.6	0.0	0.0	0.0	0.0	1.5	1.3	1.4	1.2
250.	1.4	1.4	1.2	1.1	0.7	0.7	0.5	0.4	0.8	0.6	0.5	0.3	0.0	0.0	0.0	0.0	1.8	1.6	1.5	1.1
260.	1.5	1.2	1.0	0.9	0.7	0.7	0.6	0.5	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	2.3	1.9	2.1	1.1
270.	0.9	0.7	0.6	0.5	0.7	0.7	0.5	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.3	2.4	1.4
280.	0.7	0.6	0.6	0.6	1.0	1.0	0.8	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.2	0.8	1.6	2.0
290.	0.7	0.7	0.6	0.5	1.3	1.3	1.0	0.8	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.2	1.0	0.8	1.2	2.0
300.	0.8	0.7	0.6	0.6	1.5	1.3	1.1	0.9	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	1.1	0.9	1.1	1.9
310.	0.7	0.7	0.7	0.6	1.3	1.3	1.1	1.0	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	1.2	1.0	1.1	1.8
320.	0.9	0.8	0.7	0.7	1.5	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	1.3	1.1	1.2	1.8
330.	1.1	0.9	0.9	0.8	1.5	1.3	1.1	1.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.6	1.2	1.6	2.0
340.	1.3	1.2	1.0	0.7	1.6	1.5	1.3	1.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	2.0	1.4	2.0	2.3
350.	1.1	0.8	0.4	0.2	1.7	1.5	1.1	0.9	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	2.8	1.7	3.2	3.3
360.	0.2	0.1	0.0	0.0	0.6	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	1.5	0.6	3.8	4.1
MAX	1.5	1.4	1.2	1.1	1.7	1.5	1.3	1.2	1.3	1.2	1.1	1.0	1.3	1.2	1.1	1.0	2.8	1.9	3.8	4.1
DEGR.	260	250	250	250	350	340	340	320	130	150	150	140	20	20	20	20	350	260	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	2.1	1.2	0.8	0.3	0.1	1.2	0.6	0.5
10.	*	0.5	0.4	1.7	1.0	0.8	2.1	1.6	1.3
20.	*	0.4	0.4	1.5	1.2	0.9	1.8	1.7	1.5
30.	*	0.5	0.4	1.3	1.1	0.8	1.5	1.4	1.2
40.	*	0.5	0.4	1.4	0.9	0.7	1.3	1.1	1.0
50.	*	0.6	0.5	1.2	0.8	0.7	1.2	1.1	1.0
60.	*	0.7	0.6	1.2	0.8	0.6	1.2	1.0	0.9
70.	*	0.9	0.7	1.2	0.8	0.6	1.3	1.2	1.1
80.	*	1.3	0.8	1.1	0.9	0.6	1.6	1.6	1.4
90.	*	0.9	0.2	1.4	1.3	0.6	1.8	1.4	0.9
100.	*	0.3	0.0	1.7	1.7	1.0	1.3	0.8	0.6
110.	*	0.1	0.0	1.9	1.7	1.4	1.0	0.7	0.6
120.	*	0.1	0.0	1.9	1.7	1.4	0.9	0.7	0.6
130.	*	0.1	0.0	1.7	1.6	1.4	0.8	0.7	0.7
140.	*	0.1	0.0	1.6	1.6	1.4	0.9	0.8	0.7
150.	*	0.0	0.0	1.7	1.7	1.5	1.1	1.0	0.8
160.	*	0.0	0.0	1.8	1.7	1.4	1.3	1.1	0.9
170.	*	0.1	0.0	1.8	1.6	1.3	1.3	0.9	0.4
180.	*	1.1	0.3	1.1	0.8	0.7	0.6	0.2	0.0
190.	*	2.2	1.2	0.6	0.6	0.5	0.2	0.0	0.0
200.	*	1.8	1.3	0.5	0.6	0.5	0.1	0.0	0.0
210.	*	1.4	1.1	0.5	0.7	0.6	0.1	0.0	0.0
220.	*	1.3	1.0	0.7	0.7	0.6	0.0	0.0	0.0
230.	*	1.2	0.9	0.7	0.9	0.7	0.0	0.0	0.0
240.	*	1.1	0.9	0.9	1.0	0.8	0.0	0.0	0.0
250.	*	1.0	0.8	1.1	1.3	1.0	0.0	0.0	0.0
260.	*	1.1	0.8	1.6	1.7	1.0	0.0	0.0	0.0
270.	*	1.3	0.9	1.9	1.3	0.3	0.2	0.1	0.0
280.	*	2.0	1.3	1.2	0.4	0.0	0.8	0.5	0.3
290.	*	2.1	1.7	0.6	0.1	0.0	0.9	0.7	0.6
300.	*	2.0	1.8	0.4	0.1	0.0	0.8	0.6	0.6
310.	*	2.0	1.6	0.2	0.1	0.0	0.7	0.6	0.5
320.	*	1.9	1.6	0.2	0.1	0.0	0.6	0.5	0.4
330.	*	2.1	1.6	0.3	0.1	0.0	0.7	0.5	0.4
340.	*	2.3	1.8	0.3	0.0	0.0	0.6	0.5	0.4
350.	*	3.2	2.4	0.3	0.0	0.0	0.6	0.4	0.4
360.	*	2.1	1.2	0.8	0.3	0.1	1.2	0.6	0.5
MAX	*	3.2	2.4	1.9	1.7	1.5	2.1	1.7	1.5
DEGR.	*	350	350	110	100	150	10	20	20

THE HIGHEST CONCENTRATION OF 4.10 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2030centralB- Flamingo and I-15 NB Ramps- With project-DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:30:40

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
	*	X1	Y1	X2	Y2	*									
1. Link_2	*	7.6	-152.4	7.6	-66.6	*	86.	360.	AG	317.	100.0	0.0	18.3	1.04	14.3
2. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90.	AG	3169.	6.1	0.0	17.0		
3. Link_12	*	152.4	7.6	122.9	7.6	*	29.	270.	AG	159.	100.0	0.0	18.3	0.87	4.9
4. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270.	AG	3218.	6.1	0.0	24.3		
5. Link_4	*	-152.4	-7.6	-124.9	-7.6	*	27.	90.	AG	159.	100.0	0.0	18.3	0.86	4.6
6. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360.	BR	1494.	6.1	0.0	13.4		

PAGE 2

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)		
1. Link_2	*	60	40	2.0	1663	1200	35.50	1	3
3. Link_12	*	60	20	2.0	3136	1200	35.50	1	3
5. Link_4	*	60	20	2.0	3080	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.1	1.0	1.3
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.5	0.8
20.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.6	0.5	0.5	0.5	0.0	0.0	0.3	0.6
30.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.1	0.5	0.5	0.5	0.5	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.3	0.0	0.0	0.1	0.6
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.5	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.7
60.	0.0	0.0	0.0	0.0	0.6	0.7	0.6	0.5	0.2	0.2	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.9
70.	0.0	0.0	0.0	0.0	0.8	0.8	0.5	0.3	0.2	0.1	0.1	0.1	0.7	0.6	0.7	0.6	0.0	0.0	0.1	1.1
80.	0.0	0.0	0.0	0.0	0.6	0.4	0.1	0.0	0.2	0.1	0.1	0.1	0.8	0.6	0.5	0.3	0.0	0.0	0.1	1.8
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.2	0.1	0.4	2.1
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.3	1.0	1.1
110.	0.5	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.5	0.0	0.0	0.1	0.2	0.7	0.5	0.9	0.6
120.	0.5	0.4	0.5	0.4	0.0	0.0	0.0	0.0	0.9	0.7	0.6	0.6	0.0	0.1	0.3	0.4	0.6	0.5	0.8	0.4
130.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.9	0.7	0.7	0.6	0.2	0.4	0.5	0.5	0.5	0.5	0.7	0.2
140.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.4	0.5	0.6	0.6	0.6	0.4	0.4	0.6	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.5	0.6	0.7	0.7	0.6	0.4	0.5	0.4	0.6	0.3
160.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.7	0.4	0.2	0.1	0.4	0.4	0.7	0.3
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.4	0.2	0.1	0.0	0.0	0.5	0.4	0.9	0.6
180.	0.5	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.0	0.8	1.6	1.2
190.	1.0	0.9	0.8	0.7	0.8	0.6	0.2	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.0	1.0	1.2	0.8
200.	0.6	0.5	0.6	0.7	0.9	1.0	0.7	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.7	0.5	0.7	0.3
210.	0.4	0.3	0.3	0.3	0.5	0.6	0.8	0.7	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.4	0.6	0.2
220.	0.5	0.4	0.3	0.3	0.1	0.3	0.7	0.7	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.2
230.	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.6	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.3
240.	0.6	0.6	0.6	0.6	0.0	0.0	0.1	0.4	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.3
250.	0.9	0.8	0.9	0.7	0.0	0.0	0.0	0.1	0.9	0.7	0.5	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.4
260.	1.1	0.9	0.6	0.4	0.0	0.0	0.0	0.0	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.5	1.3	1.4	0.4
270.	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	1.6	0.8
280.	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.5	0.2	1.1	1.4
290.	0.2	0.2	0.2	0.1	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.2	0.3	0.2	0.7	1.4
300.	0.2	0.2	0.2	0.2	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.3	0.3	0.5	1.3
310.	0.2	0.2	0.2	0.2	0.8	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.3	0.3	0.4	1.1
320.	0.3	0.2	0.2	0.2	0.8	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.3	0.3	1.0
330.	0.3	0.2	0.2	0.2	0.8	0.8	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.3	0.5	0.9
340.	0.3	0.3	0.2	0.1	0.7	0.7	0.7	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.6	0.4	0.6	0.9
350.	0.2	0.1	0.0	0.0	0.7	0.7	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.4	0.9	1.1
360.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.1	1.0	1.3
MAX	1.1	0.9	0.9	0.7	0.9	1.0	0.8	0.7	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.6	1.5	1.3	1.6	2.1
DEGR.	260	190	250	190	200	200	210	210	120	160	160	160	80	150	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.0	0.7	0.4	0.1	0.0	0.6	0.4	0.4	
10.	*	0.6	0.5	0.6	0.2	0.1	0.9	0.7	0.6	
20.	*	0.6	0.5	0.7	0.4	0.3	0.8	0.7	0.7	
30.	*	0.6	0.6	0.6	0.4	0.2	0.6	0.6	0.5	
40.	*	0.7	0.6	0.7	0.3	0.2	0.4	0.4	0.4	
50.	*	0.8	0.6	0.6	0.3	0.2	0.5	0.4	0.4	
60.	*	0.9	0.7	0.5	0.3	0.2	0.5	0.5	0.4	
70.	*	1.3	1.0	0.5	0.4	0.2	0.6	0.7	0.8	
80.	*	1.7	1.0	0.5	0.6	0.2	1.4	1.4	1.1	
90.	*	1.0	0.3	0.8	0.9	0.3	1.7	0.9	0.4	
100.	*	0.1	0.0	1.3	1.4	0.9	0.7	0.1	0.0	
110.	*	0.0	0.0	1.4	1.4	1.1	0.2	0.0	0.0	
120.	*	0.0	0.0	1.3	1.2	1.0	0.1	0.0	0.0	
130.	*	0.0	0.0	1.1	1.2	1.0	0.0	0.0	0.0	
140.	*	0.0	0.0	0.9	0.9	0.7	0.0	0.0	0.2	
150.	*	0.0	0.0	0.7	0.7	0.7	0.1	0.3	0.6	
160.	*	0.0	0.0	0.7	0.9	0.9	0.5	0.8	0.9	
170.	*	0.1	0.0	1.2	1.2	1.1	0.9	0.7	0.4	
180.	*	0.8	0.4	0.7	0.7	0.6	0.3	0.1	0.0	
190.	*	1.0	1.1	0.4	0.5	0.5	0.0	0.0	0.0	
200.	*	0.3	0.6	0.5	0.6	0.5	0.0	0.0	0.0	
210.	*	0.0	0.2	0.5	0.6	0.5	0.0	0.0	0.0	
220.	*	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	
230.	*	0.0	0.0	0.6	0.7	0.7	0.0	0.0	0.0	
240.	*	0.0	0.0	0.7	0.9	0.8	0.0	0.0	0.0	
250.	*	0.0	0.0	0.9	1.1	1.1	0.0	0.0	0.0	
260.	*	0.1	0.0	1.5	1.6	1.2	0.0	0.0	0.0	
270.	*	0.4	0.2	1.7	1.3	0.4	0.4	0.2	0.1	
280.	*	1.0	0.6	1.1	0.5	0.0	0.8	0.6	0.4	
290.	*	1.2	0.7	0.6	0.2	0.0	0.9	0.7	0.6	
300.	*	1.1	0.8	0.4	0.1	0.0	0.7	0.6	0.5	
310.	*	1.0	0.9	0.2	0.1	0.0	0.6	0.5	0.5	
320.	*	1.0	0.9	0.2	0.1	0.0	0.6	0.5	0.4	
330.	*	1.0	0.8	0.3	0.1	0.0	0.5	0.5	0.4	
340.	*	1.0	0.9	0.3	0.1	0.0	0.5	0.4	0.4	
350.	*	1.2	1.0	0.3	0.1	0.0	0.5	0.4	0.4	
360.	*	1.0	0.7	0.4	0.1	0.0	0.6	0.4	0.4	
MAX	*	1.7	1.1	1.7	1.6	1.2	1.7	1.4	1.1	
DEGR.	*	80	190	270	260	260	90	80	80	

THE HIGHEST CONCENTRATION OF 2.10 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2030centralB- Flamingo and I-15 NB Ramps- With project-EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:30:55

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
1. Link_2	*	7.6	-152.4	7.6	-66.6	*	86.	360. AG	317.	100.0	0.0	18.3	1.04	14.3
2. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	3303.	6.1	0.0	17.0		
3. Link_12	*	152.4	7.6	118.6	7.6	*	34.	270. AG	159.	100.0	0.0	18.3	0.90	5.6
4. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	3317.	6.1	0.0	24.3		
5. Link_4	*	-152.4	-7.6	-117.3	-7.6	*	35.	90. AG	159.	100.0	0.0	18.3	0.91	5.9
6. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. BR	1539.	6.1	0.0	13.4		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
1. Link_2	*	60	40	2.0	1663	1200	35.50	1	3
3. Link_12	*	60	20	2.0	3235	1200	35.50	1	3
5. Link_4	*	60	20	2.0	3261	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.1	1.1	1.3
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.6	0.8
20.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.1	0.1	0.0	0.7	0.6	0.5	0.5	0.0	0.0	0.3	0.6
30.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.1	0.5	0.5	0.5	0.5	0.0	0.0	0.1	0.6
40.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.3	0.0	0.0	0.1	0.6
50.	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.2	0.2	0.2	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.8
60.	0.0	0.0	0.0	0.0	0.6	0.7	0.7	0.7	0.2	0.2	0.2	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.1	0.9
70.	0.0	0.0	0.0	0.0	1.0	0.9	0.5	0.3	0.2	0.1	0.1	0.1	0.7	0.8	0.7	0.6	0.0	0.0	0.1	1.2
80.	0.0	0.0	0.0	0.0	0.6	0.4	0.1	0.0	0.2	0.1	0.1	0.1	0.9	0.7	0.5	0.3	0.0	0.0	0.1	1.8
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.2	0.1	0.4	2.1
100.	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.4	1.0	1.2
110.	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.6	0.5	0.5	0.0	0.0	0.1	0.2	0.7	0.6	0.9	0.6
120.	0.5	0.4	0.5	0.4	0.0	0.0	0.0	0.0	0.9	0.8	0.6	0.6	0.0	0.1	0.3	0.4	0.6	0.5	0.8	0.4
130.	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.6	0.2	0.4	0.5	0.5	0.5	0.5	0.7	0.2
140.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.7	0.2
150.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.6	0.7	0.7	0.6	0.4	0.5	0.4	0.7	0.3
160.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.9	0.7	0.4	0.2	0.1	0.5	0.4	0.7	0.3
170.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.7	0.6	0.4	0.2	0.1	0.0	0.0	0.5	0.4	1.0	0.6
180.	0.6	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.8	1.6	1.3
190.	1.0	0.9	0.8	0.7	0.8	0.6	0.2	0.1	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.0	1.0	1.2	0.8
200.	0.6	0.5	0.6	0.7	0.9	1.0	0.7	0.4	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.7	0.5	0.7	0.3
210.	0.4	0.3	0.3	0.3	0.5	0.6	0.8	0.7	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.4	0.6	0.2
220.	0.5	0.4	0.4	0.3	0.1	0.3	0.7	0.7	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.3
230.	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.6	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.3
240.	0.6	0.6	0.6	0.6	0.0	0.0	0.1	0.4	0.8	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.3
250.	0.9	1.0	0.9	0.8	0.0	0.0	0.0	0.1	1.0	0.8	0.6	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.4
260.	1.1	0.9	0.7	0.5	0.0	0.0	0.0	0.0	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.6	1.4	1.5	0.5
270.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	1.8	0.9
280.	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.6	0.2	1.1	1.4
290.	0.2	0.2	0.2	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.3	0.2	0.7	1.4
300.	0.2	0.2	0.2	0.2	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.5	0.3	0.3	0.5	1.3
310.	0.2	0.2	0.2	0.2	0.8	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.3	0.3	0.4	1.1
320.	0.3	0.2	0.2	0.2	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.3	1.1
330.	0.3	0.3	0.2	0.2	0.8	0.8	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.5	0.9
340.	0.3	0.3	0.2	0.1	0.8	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.6	0.4	0.6	0.9
350.	0.2	0.1	0.0	0.0	0.7	0.7	0.6	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.7	0.4	0.9	1.2
360.	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.1	1.1	1.3
MAX	1.1	1.0	0.9	0.8	1.0	1.0	0.8	0.7	1.0	0.9	0.9	0.9	0.9	0.8	0.7	0.6	1.6	1.4	1.8	2.1
DEGR.	260	250	250	250	70	200	210	320	160	160	160	160	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.0	0.7	0.4	0.1	0.0	0.6	0.4	0.4
10.	*	0.6	0.5	0.6	0.2	0.1	0.9	0.7	0.6
20.	*	0.6	0.5	0.7	0.4	0.3	0.8	0.7	0.7
30.	*	0.6	0.6	0.6	0.4	0.2	0.6	0.6	0.5
40.	*	0.7	0.6	0.7	0.3	0.2	0.5	0.5	0.4
50.	*	0.8	0.7	0.6	0.3	0.2	0.5	0.4	0.4
60.	*	0.9	0.8	0.5	0.3	0.2	0.5	0.5	0.5
70.	*	1.4	1.0	0.5	0.4	0.2	0.6	0.8	0.8
80.	*	1.8	1.0	0.5	0.6	0.2	1.4	1.4	1.2
90.	*	1.0	0.3	0.8	0.9	0.3	1.8	0.9	0.4
100.	*	0.2	0.0	1.4	1.4	0.9	0.8	0.1	0.0
110.	*	0.0	0.0	1.5	1.4	1.1	0.2	0.0	0.0
120.	*	0.0	0.0	1.3	1.3	1.1	0.1	0.0	0.0
130.	*	0.0	0.0	1.1	1.2	1.0	0.0	0.0	0.0
140.	*	0.0	0.0	0.9	0.9	0.8	0.0	0.0	0.2
150.	*	0.0	0.0	0.7	0.7	0.8	0.1	0.3	0.6
160.	*	0.0	0.0	0.7	0.9	0.9	0.5	0.8	0.9
170.	*	0.1	0.0	1.2	1.2	1.1	0.9	0.7	0.4
180.	*	0.8	0.4	0.7	0.7	0.6	0.3	0.1	0.0
190.	*	1.0	1.1	0.5	0.6	0.5	0.0	0.0	0.0
200.	*	0.3	0.6	0.5	0.6	0.5	0.0	0.0	0.0
210.	*	0.0	0.2	0.5	0.6	0.6	0.0	0.0	0.0
220.	*	0.0	0.0	0.6	0.7	0.6	0.0	0.0	0.0
230.	*	0.0	0.0	0.6	0.8	0.7	0.0	0.0	0.0
240.	*	0.0	0.0	0.8	0.9	0.8	0.0	0.0	0.0
250.	*	0.0	0.0	1.0	1.3	1.1	0.0	0.0	0.0
260.	*	0.1	0.0	1.5	1.7	1.2	0.0	0.0	0.0
270.	*	0.4	0.2	1.7	1.4	0.4	0.5	0.2	0.1
280.	*	1.2	0.6	1.1	0.5	0.0	1.0	0.6	0.5
290.	*	1.2	0.9	0.6	0.2	0.0	0.9	0.7	0.6
300.	*	1.2	1.0	0.4	0.1	0.0	0.8	0.6	0.6
310.	*	1.1	0.9	0.2	0.1	0.0	0.7	0.6	0.5
320.	*	1.1	0.9	0.2	0.1	0.0	0.6	0.5	0.4
330.	*	1.0	0.9	0.3	0.1	0.0	0.5	0.5	0.4
340.	*	1.0	0.9	0.3	0.1	0.0	0.5	0.4	0.4
350.	*	1.2	1.0	0.3	0.1	0.0	0.5	0.4	0.4
360.	*	1.0	0.7	0.4	0.1	0.0	0.6	0.4	0.4
MAX	*	1.8	1.1	1.7	1.7	1.2	1.8	1.4	1.2
DEGR.	*	80	190	270	260	260	90	80	80

THE HIGHEST CONCENTRATION OF 2.10 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2030centralB- Hotel Rio Dr and Dean Martin Dr- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:31:10

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-97.6	*	55.	360. AG	57.	100.0	0.0	7.3	0.98 9.1	
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	1520.	6.1	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	137.3	*	15.	180. AG	86.	100.0	0.0	11.0	0.66 2.5	
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1155.	6.1	0.0	13.4		
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	1037.	6.1	0.0	9.7		
6. Link_4	*	-152.4	-7.6	-128.8	-7.6	*	24.	90. AG	200.	100.0	0.0	11.0	0.85 3.9	

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)		
1. Link_2	*	60	18	2.0	1488	1200	35.50	1	3
3. Link_5	*	60	18	2.0	1510	1200	35.50	1	3
6. Link_4	*	60	42	2.0	714	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	1.1	0.8
10.	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	0.2	0.2	0.2	0.1	0.0	0.0	0.6	0.3
20.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.1
30.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.0
40.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.3	0.4	0.3	0.0	0.0	0.1	0.0
50.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.0
60.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
70.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
80.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
110.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
120.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0
130.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.0
140.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.0	0.0	0.1	0.0
150.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.0	0.0	0.1	0.0
160.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.3	0.1	0.1	0.0	0.0	0.2	0.0
170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.3	0.0
180.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.5	0.2
190.	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.6	0.3
200.	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.2	0.6	0.3
210.	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.5	0.2
220.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.5	0.2
230.	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.2
240.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.2
250.	0.4	0.4	0.5	0.5	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.5	0.2
260.	0.5	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.6	0.9	0.2
270.	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.9	0.4
280.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.3	0.2	0.5	0.4
290.	0.2	0.2	0.2	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.3	0.2	0.3	0.4
300.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3
310.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2
320.	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.2
330.	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.5	0.2
340.	0.3	0.3	0.2	0.1	0.3	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.4	0.6	0.3
350.	0.2	0.1	0.0	0.0	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.7	0.4	0.9	0.7
360.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.1	1.1	0.8
MAX	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0.8	0.6	1.1	0.8
DEGR.	260	260	250	250	280	280	340	210	160	150	150	160	30	20	40	20	260	260	0	0	

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.4	0.2	0.1	0.0	0.0	0.4	0.1	0.1	
10.	*	0.0	0.0	0.3	0.2	0.1	0.7	0.5	0.3	
20.	*	0.0	0.0	0.4	0.3	0.3	0.7	0.6	0.4	
30.	*	0.0	0.0	0.3	0.3	0.2	0.7	0.6	0.4	
40.	*	0.0	0.0	0.3	0.2	0.2	0.5	0.4	0.4	
50.	*	0.0	0.0	0.3	0.2	0.2	0.4	0.3	0.3	
60.	*	0.0	0.0	0.3	0.2	0.2	0.3	0.3	0.2	
70.	*	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	
80.	*	0.0	0.0	0.4	0.2	0.2	0.2	0.2	0.2	
90.	*	0.0	0.0	0.4	0.2	0.2	0.2	0.2	0.2	
100.	*	0.0	0.0	0.4	0.2	0.2	0.2	0.2	0.2	
110.	*	0.0	0.0	0.5	0.3	0.2	0.2	0.2	0.2	
120.	*	0.0	0.0	0.4	0.3	0.2	0.2	0.2	0.2	
130.	*	0.0	0.0	0.4	0.3	0.2	0.2	0.3	0.2	
140.	*	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.2	
150.	*	0.0	0.0	0.3	0.3	0.4	0.4	0.3	0.3	
160.	*	0.0	0.0	0.4	0.5	0.5	0.4	0.5	0.4	
170.	*	0.0	0.0	0.8	0.8	0.6	0.8	0.6	0.4	
180.	*	0.1	0.0	0.8	0.5	0.2	0.8	0.3	0.1	
190.	*	0.3	0.2	0.4	0.2	0.1	0.4	0.0	0.0	
200.	*	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	
210.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	
220.	*	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	
230.	*	0.2	0.1	0.3	0.2	0.2	0.1	0.0	0.0	
240.	*	0.1	0.1	0.3	0.3	0.2	0.1	0.0	0.0	
250.	*	0.2	0.1	0.5	0.3	0.4	0.1	0.0	0.0	
260.	*	0.1	0.1	0.8	0.5	0.4	0.1	0.0	0.0	
270.	*	0.2	0.2	0.8	0.2	0.1	0.2	0.1	0.1	
280.	*	0.3	0.3	0.3	0.0	0.0	0.3	0.2	0.2	
290.	*	0.3	0.3	0.1	0.0	0.0	0.3	0.2	0.2	
300.	*	0.3	0.3	0.1	0.0	0.0	0.3	0.2	0.2	
310.	*	0.1	0.2	0.1	0.0	0.0	0.3	0.2	0.1	
320.	*	0.2	0.2	0.0	0.0	0.0	0.3	0.1	0.1	
330.	*	0.2	0.2	0.0	0.0	0.0	0.2	0.1	0.1	
340.	*	0.4	0.4	0.0	0.0	0.0	0.3	0.1	0.1	
350.	*	0.6	0.5	0.0	0.0	0.0	0.3	0.1	0.1	
360.	*	0.4	0.2	0.1	0.0	0.0	0.4	0.1	0.1	
MAX	*	0.6	0.5	0.8	0.8	0.6	0.8	0.6	0.4	
DEGR.	*	350	350	170	170	170	170	20	20	

THE HIGHEST CONCENTRATION OF 1.10 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030centralB- Hotel Rio Dr and Dean Martin Dr- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:31:33

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C QUEUE	
		X1	Y1	X2	Y2								(VEH)	(VEH)
1. Link_2	*	7.6	-152.4	7.6	31.9	*	184.	360. AG	57.	100.0	0.0	7.3	1.05	30.7
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	1691.	6.1	0.0	13.4		
3. Link_5	*	-7.6	152.4	-7.6	137.2	*	15.	180. AG	86.	100.0	0.0	11.0	0.67	2.5
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1171.	6.1	0.0	13.4		
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	1126.	6.1	0.0	9.7		
6. Link_4	*	-152.4	-7.6	-85.7	-7.6	*	67.	90. AG	200.	100.0	0.0	11.0	1.02	11.1

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
1. Link_2	*	60	18	2.0	1599	1200	35.50	1	3
3. Link_5	*	60	18	2.0	1526	1200	35.50	1	3
6. Link_4	*	60	42	2.0	863	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M)			*
	*	X	Y	Z	*
1. Rcpt_1	*	29.0	29.0	1.8	*
2. Rcpt_2	*	35.1	35.1	1.8	*
3. Rcpt_3	*	41.1	41.1	1.8	*
4. Rcpt_4	*	47.2	47.2	1.8	*
5. Rcpt_5	*	29.0	-29.0	1.8	*
6. Rcpt_6	*	32.0	-32.0	1.8	*
7. Rcpt_7	*	41.1	-41.1	1.8	*
8. Rcpt_8	*	47.2	-47.2	1.8	*
9. Rcpt_9	*	-29.0	29.0	1.8	*
10. Rcpt_10	*	-35.1	35.1	1.8	*
11. Rcpt_11	*	-41.1	41.1	1.8	*
12. Rcpt_12	*	-47.2	47.2	1.8	*
13. Rcpt_13	*	-29.0	-29.0	1.8	*
14. Rcpt_14	*	-35.1	-35.1	1.8	*
15. Rcpt_15	*	-41.1	-41.1	1.8	*
16. Rcpt_16	*	-47.2	-47.2	1.8	*
17. Rcpt_17	*	16.8	16.8	1.8	*
18. Rcpt_18	*	22.9	22.9	1.8	*
19. Rcpt_19	*	10.7	10.7	1.8	*
20. Rcpt_20	*	10.7	-10.7	1.8	*
21. Rcpt_21	*	16.8	-16.8	1.8	*
22. Rcpt_22	*	22.9	-22.9	1.8	*
23. Rcpt_23	*	-10.7	10.7	1.8	*
24. Rcpt_24	*	-16.8	16.8	1.8	*
25. Rcpt_25	*	-22.9	22.9	1.8	*
26. Rcpt_26	*	-10.7	-10.7	1.8	*
27. Rcpt_27	*	-16.8	-16.8	1.8	*
28. Rcpt_28	*	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.1	1.5	1.4
10.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.7	0.5
20.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.4	0.2
30.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.5	0.3	0.3	0.3	0.0	0.0	0.2	0.0
40.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.0	0.0	0.1	0.0
50.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.0
60.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.0
70.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.0
80.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.0
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.0
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.0
110.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.0
120.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.0
130.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.0
140.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.0	0.0	0.1	0.0
150.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.2	0.0
160.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.3	0.1
170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.2
180.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	1.1	0.8
190.	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.7	0.4	1.3	1.0
200.	0.4	0.4	0.4	0.2	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.7	0.4	1.1	0.8
210.	0.5	0.4	0.2	0.2	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.7	0.5	0.9	0.5
220.	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.0	0.0	0.0	0.0	0.8	0.6	0.9	0.5
230.	0.5	0.5	0.5	0.4	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.4
240.	0.5	0.5	0.4	0.4	0.2	0.2	0.2	0.2	0.5	0.6	0.6	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.4
250.	0.7	0.7	0.7	0.6	0.2	0.2	0.2	0.2	0.6	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.4
260.	0.7	0.7	0.4	0.4	0.2	0.2	0.2	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.0	1.3	0.5
270.	0.4	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.5	1.2	0.8
280.	0.2	0.2	0.2	0.2	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.2	0.1	0.0	0.5	0.4	0.7	0.8
290.	0.2	0.2	0.2	0.2	0.4	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.6	0.4	0.2	0.5	0.4	0.5	0.7
300.	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5	0.5	0.4	0.5	0.5
310.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.6	0.3	0.5	0.4
320.	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.6	0.3	0.7	0.5
330.	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.4	0.8	0.6
340.	0.4	0.3	0.2	0.1	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.5	1.1	0.7
350.	0.3	0.1	0.0	0.0	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.8	0.4	1.4	1.3
360.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.1	1.5	1.4
MAX	0.7	0.7	0.7	0.6	0.6	0.6	0.4	0.4	0.6	0.6	0.6	0.4	0.5	0.6	0.5	0.5	1.3	1.0	1.5	1.4
DEGR.	250	250	250	250	280	280	280	280	250	240	240	160	30	290	40	40	260	260	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.4	0.2	0.1	0.0	0.0	0.4	0.1	0.1
10.	*		0.0	0.0	0.4	0.2	0.1	0.7	0.5	0.3
20.	*		0.0	0.0	0.4	0.3	0.3	0.8	0.7	0.4
30.	*		0.0	0.0	0.3	0.3	0.3	0.8	0.7	0.6
40.	*		0.0	0.0	0.5	0.3	0.2	0.7	0.5	0.5
50.	*		0.0	0.0	0.5	0.2	0.2	0.5	0.5	0.4
60.	*		0.0	0.0	0.5	0.3	0.2	0.4	0.4	0.3
70.	*		0.0	0.0	0.5	0.3	0.2	0.3	0.3	0.3
80.	*		0.0	0.0	0.5	0.3	0.3	0.3	0.3	0.3
90.	*		0.0	0.0	0.6	0.3	0.3	0.3	0.3	0.3
100.	*		0.0	0.0	0.6	0.3	0.3	0.3	0.3	0.3
110.	*		0.0	0.0	0.6	0.4	0.3	0.3	0.3	0.3
120.	*		0.0	0.0	0.5	0.5	0.4	0.3	0.3	0.3
130.	*		0.0	0.0	0.5	0.4	0.4	0.3	0.4	0.3
140.	*		0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.3
150.	*		0.0	0.0	0.5	0.4	0.5	0.6	0.4	0.4
160.	*		0.0	0.0	0.6	0.7	0.7	0.7	0.6	0.4
170.	*		0.0	0.0	0.9	0.8	0.7	0.9	0.6	0.4
180.	*		0.2	0.1	0.8	0.5	0.3	0.8	0.3	0.1
190.	*		0.6	0.3	0.4	0.2	0.2	0.4	0.0	0.0
200.	*		0.5	0.4	0.2	0.2	0.2	0.2	0.0	0.0
210.	*		0.4	0.4	0.2	0.2	0.2	0.1	0.0	0.0
220.	*		0.4	0.4	0.3	0.2	0.2	0.1	0.0	0.0
230.	*		0.4	0.3	0.3	0.3	0.2	0.1	0.0	0.0
240.	*		0.4	0.2	0.4	0.3	0.3	0.1	0.0	0.0
250.	*		0.4	0.2	0.6	0.7	0.7	0.1	0.0	0.0
260.	*		0.3	0.2	1.2	0.9	0.5	0.2	0.0	0.0
270.	*		0.6	0.4	1.0	0.2	0.1	0.5	0.3	0.2
280.	*		0.7	0.6	0.4	0.0	0.0	0.5	0.5	0.6
290.	*		0.5	0.4	0.1	0.0	0.0	0.4	0.2	0.4
300.	*		0.5	0.4	0.1	0.0	0.0	0.3	0.2	0.2
310.	*		0.4	0.3	0.1	0.0	0.0	0.3	0.2	0.2
320.	*		0.4	0.4	0.1	0.0	0.0	0.3	0.2	0.1
330.	*		0.4	0.4	0.0	0.0	0.0	0.3	0.1	0.1
340.	*		0.7	0.6	0.0	0.0	0.0	0.4	0.1	0.1
350.	*		0.9	0.6	0.0	0.0	0.0	0.3	0.1	0.1
360.	*		0.4	0.2	0.1	0.0	0.0	0.4	0.1	0.1
MAX	*		0.9	0.6	1.2	0.9	0.7	0.9	0.7	0.6
DEGR.	*		350	280	260	260	250	170	20	30

THE HIGHEST CONCENTRATION OF 1.50 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030centralB- W Tropicana and Dean Martin Dr- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:31:51

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-135.4	*	17.	360. AG	260.	100.0	0.0	14.6	0.73	2.8
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	849.	6.1	0.0	17.0		
3. Link_5	*	-7.6	152.4	-7.6	123.3	*	29.	180. AG	325.	100.0	0.0	18.3	0.90	4.8
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1023.	6.1	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2400.	6.1	0.0	17.0		
6. Link_12	*	152.4	7.6	135.4	7.6	*	17.	270. AG	151.	100.0	0.0	14.6	0.72	2.8
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2864.	6.1	0.0	17.0		
8. Link_4	*	-152.4	-7.6	-134.3	-7.6	*	18.	90. AG	121.	100.0	0.0	14.6	0.75	3.0

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)		
1. Link_2	*	60	41	2.0	881	1200	35.50	1	3
3. Link_5	*	60	41	2.0	1347	1200	35.50	1	3
6. Link_12	*	60	19	2.0	2682	1200	35.50	1	3
8. Link_4	*	60	19	2.0	2226	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.1	0.6	0.9
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.2	0.1	0.0	0.6	0.6	0.5	0.4	0.0	0.0	0.3	0.6
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.0	0.0	0.2	0.5
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.3	0.5	0.4	0.4	0.4	0.0	0.0	0.1	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.4	0.4	0.4	0.0	0.0	0.1	0.4
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.2	0.0	0.0	0.1	0.5
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.7
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.1	0.8
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.7	0.5	0.4	0.3	0.0	0.0	0.1	1.4
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.3	1.5
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.7	0.9
110.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.7	0.4
120.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.6	0.3
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.5	0.1
140.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.5	0.2	0.2	0.1	0.1	0.3	0.3	0.5	0.2
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.3	0.3	0.2	0.3	0.3	0.5	0.2
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.6	0.3	0.3	0.2	0.1	0.3	0.3	0.5	0.2
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.4	0.3	0.1	0.0	0.0	0.3	0.3	0.4	0.2
180.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.3
190.	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.4
200.	0.5	0.3	0.3	0.3	0.1	0.2	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.5
210.	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.3
220.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.4
230.	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.5	0.4	0.5
240.	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4
250.	0.7	0.7	0.6	0.6	0.1	0.1	0.1	0.1	0.8	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.5
260.	0.8	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.0	1.2	0.4
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.4	1.6	0.6
280.	0.1	0.1	0.1	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	0.1	0.8	1.2
290.	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.1	0.2	0.1	0.3	1.2
300.	0.1	0.1	0.1	0.1	0.6	0.6	0.6	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.2	0.1	0.1	1.2
310.	0.1	0.1	0.1	0.1	0.7	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.9
320.	0.1	0.1	0.2	0.2	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.8
330.	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.7
340.	0.5	0.5	0.3	0.2	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.4	0.4	0.3	0.7
350.	0.2	0.1	0.0	0.0	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.4	0.6	0.9
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.1	0.6	0.9
MAX	0.8	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.8	0.6	0.5	0.6	0.7	0.6	0.5	0.5	1.4	1.0	1.6	1.5
DEGR.	260	250	250	250	310	70	300	310	250	130	120	160	80	10	10	20	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.8	0.5	0.5	0.2	0.1	0.9	0.6	0.4
10.	*	0.4	0.4	0.5	0.3	0.4	0.9	0.8	0.5
20.	*	0.4	0.4	0.4	0.2	0.1	0.8	0.7	0.5
30.	*	0.5	0.4	0.4	0.2	0.1	0.6	0.7	0.5
40.	*	0.5	0.4	0.4	0.1	0.1	0.4	0.4	0.4
50.	*	0.6	0.5	0.4	0.1	0.1	0.4	0.4	0.4
60.	*	0.7	0.6	0.4	0.1	0.1	0.6	0.5	0.5
70.	*	0.9	0.7	0.5	0.1	0.1	0.7	0.8	0.8
80.	*	1.3	0.8	0.5	0.1	0.1	1.2	1.2	1.0
90.	*	0.7	0.2	0.8	0.4	0.1	1.4	0.9	0.5
100.	*	0.1	0.0	1.1	0.9	0.4	0.8	0.3	0.2
110.	*	0.0	0.0	1.2	1.0	0.7	0.4	0.2	0.2
120.	*	0.0	0.0	1.2	1.0	0.8	0.2	0.2	0.2
130.	*	0.0	0.0	0.9	1.0	0.8	0.2	0.2	0.2
140.	*	0.0	0.0	0.8	0.8	0.8	0.2	0.2	0.2
150.	*	0.0	0.0	0.8	0.8	0.7	0.3	0.3	0.2
160.	*	0.0	0.0	0.7	0.8	0.6	0.4	0.4	0.4
170.	*	0.0	0.0	0.9	1.0	0.8	0.7	0.6	0.4
180.	*	0.1	0.1	1.0	0.9	0.6	0.7	0.2	0.1
190.	*	0.2	0.2	0.6	0.5	0.4	0.4	0.0	0.0
200.	*	0.2	0.2	0.5	0.5	0.4	0.2	0.0	0.0
210.	*	0.2	0.2	0.5	0.6	0.5	0.1	0.0	0.0
220.	*	0.2	0.1	0.5	0.6	0.5	0.1	0.0	0.0
230.	*	0.1	0.1	0.7	0.7	0.6	0.1	0.0	0.0
240.	*	0.1	0.1	0.8	0.8	0.7	0.1	0.0	0.0
250.	*	0.1	0.1	1.0	1.1	0.8	0.1	0.0	0.0
260.	*	0.1	0.1	1.6	1.5	0.8	0.1	0.0	0.0
270.	*	0.3	0.1	1.8	0.9	0.2	0.4	0.1	0.0
280.	*	0.9	0.5	1.0	0.1	0.0	0.8	0.4	0.3
290.	*	1.1	0.7	0.5	0.0	0.0	0.7	0.6	0.5
300.	*	1.0	0.9	0.3	0.0	0.0	0.7	0.5	0.5
310.	*	0.9	0.8	0.2	0.0	0.0	0.6	0.5	0.4
320.	*	0.8	0.6	0.2	0.0	0.0	0.6	0.4	0.4
330.	*	0.7	0.6	0.3	0.0	0.0	0.6	0.4	0.3
340.	*	0.6	0.7	0.2	0.0	0.0	0.5	0.4	0.4
350.	*	0.9	0.9	0.3	0.0	0.0	0.6	0.4	0.3
360.	*	0.8	0.5	0.5	0.2	0.1	0.9	0.6	0.4
MAX	*	1.3	0.9	1.8	1.5	0.8	1.4	1.2	1.0
DEGR.	*	80	300	270	260	120	90	80	80

THE HIGHEST CONCENTRATION OF 1.80 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030centralB- W Tropicana and Dean Martin Dr- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 16:32: 6

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-134.7	*	18.	360. AG	260.	100.0	0.0	14.6	0.75	2.9
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	865.	6.1	0.0	17.0		
3. Link_5	*	-7.6	152.4	-7.6	109.0	*	43.	180. AG	325.	100.0	0.0	18.3	0.99	7.2
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1096.	6.1	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2445.	6.1	0.0	17.0		
6. Link_12	*	152.4	7.6	134.9	7.6	*	18.	270. AG	151.	100.0	0.0	14.6	0.74	2.9
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2992.	6.1	0.0	17.0		
8. Link_4	*	-152.4	-7.6	-133.4	-7.6	*	19.	90. AG	121.	100.0	0.0	14.6	0.77	3.2

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)		
1. Link_2	*	60	41	2.0	897	1200	35.50	1	3
3. Link_5	*	60	41	2.0	1482	1200	35.50	1	3
6. Link_12	*	60	19	2.0	2748	1200	35.50	1	3
8. Link_4	*	60	19	2.0	2271	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.1	0.7	1.0
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.3	0.2	0.1	0.7	0.7	0.6	0.5	0.0	0.0	0.3	0.6
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.0	0.0	0.2	0.5
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.2	0.4	0.5	0.5	0.4	0.4	0.4	0.0	0.0	0.1	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.4	0.2	0.2	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.1	0.7
70.	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.2	0.1	0.1	0.1	0.1	0.7	0.6	0.5	0.5	0.0	0.0	0.1	0.9
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.7	0.5	0.4	0.3	0.0	0.0	0.1	1.4
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.3	1.5
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.7	0.9
110.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.1	0.1	0.1	0.5	0.4	0.7	0.5
120.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.5	0.5	0.4	0.2	0.1	0.1	0.1	0.5	0.4	0.6	0.3
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.5	0.2	0.1	0.1	0.1	0.4	0.4	0.5	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.5	0.2	0.2	0.1	0.1	0.3	0.3	0.5	0.2
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.4	0.2	0.3	0.3	0.2	0.3	0.3	0.5	0.2
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.3	0.3	0.2	0.1	0.3	0.3	0.5	0.2
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.4	0.3	0.1	0.0	0.0	0.3	0.3	0.4	0.2
180.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.4
190.	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.4
200.	0.5	0.5	0.3	0.3	0.1	0.2	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.5
210.	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.2	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.6	0.6	0.4
220.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.3	0.5	0.4
230.	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.5
240.	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.6	0.5	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5
250.	0.8	0.7	0.6	0.6	0.1	0.1	0.1	0.1	0.8	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.5
260.	0.8	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.1	1.3	0.5
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.5	1.6	0.7
280.	0.1	0.1	0.1	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	0.1	0.8	1.3
290.	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.2	0.1	0.3	1.3
300.	0.1	0.1	0.1	0.1	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.2	0.2	0.1	1.2
310.	0.1	0.1	0.1	0.2	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.2	1.0
320.	0.1	0.2	0.3	0.4	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.8
330.	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.7
340.	0.6	0.6	0.3	0.2	0.6	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.6	0.4	0.7
350.	0.3	0.2	0.0	0.0	0.7	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.8	0.5	0.9	1.0
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.1	0.7	1.0
MAX	0.8	0.7	0.6	0.6	0.7	0.7	0.7	0.6	0.8	0.7	0.6	0.6	0.7	0.7	0.6	0.5	1.4	1.1	1.6	1.5
DEGR.	250	250	250	250	70	310	340	310	140	140	160	160	10	10	10	10	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.8	0.5	0.6	0.3	0.2	1.0	0.7	0.5
10.	*	0.4	0.4	0.6	0.4	0.5	0.9	0.9	0.6
20.	*	0.4	0.4	0.4	0.2	0.2	0.8	0.7	0.6
30.	*	0.5	0.4	0.4	0.2	0.1	0.7	0.7	0.5
40.	*	0.5	0.5	0.4	0.1	0.1	0.4	0.4	0.5
50.	*	0.6	0.5	0.4	0.1	0.1	0.4	0.4	0.4
60.	*	0.7	0.6	0.4	0.1	0.1	0.6	0.5	0.5
70.	*	0.9	0.7	0.5	0.1	0.1	0.7	0.8	0.8
80.	*	1.3	0.8	0.5	0.2	0.1	1.2	1.3	1.0
90.	*	0.8	0.2	0.8	0.4	0.1	1.4	0.9	0.5
100.	*	0.1	0.0	1.1	1.0	0.4	0.8	0.3	0.2
110.	*	0.0	0.0	1.2	1.1	0.7	0.4	0.2	0.2
120.	*	0.0	0.0	1.2	1.0	0.8	0.2	0.2	0.2
130.	*	0.0	0.0	1.0	1.0	0.8	0.2	0.2	0.2
140.	*	0.0	0.0	0.8	0.8	0.8	0.2	0.3	0.2
150.	*	0.0	0.0	0.8	0.8	0.8	0.3	0.3	0.2
160.	*	0.0	0.0	0.8	0.9	0.8	0.4	0.4	0.4
170.	*	0.0	0.0	1.0	1.1	0.9	0.8	0.6	0.4
180.	*	0.1	0.1	1.1	0.9	0.6	0.9	0.2	0.1
190.	*	0.2	0.2	0.7	0.5	0.5	0.4	0.0	0.0
200.	*	0.2	0.2	0.5	0.5	0.5	0.2	0.0	0.0
210.	*	0.2	0.2	0.5	0.6	0.5	0.1	0.0	0.0
220.	*	0.2	0.2	0.6	0.7	0.6	0.1	0.0	0.0
230.	*	0.1	0.1	0.7	0.7	0.6	0.1	0.0	0.0
240.	*	0.1	0.1	0.8	0.9	0.7	0.1	0.0	0.0
250.	*	0.1	0.1	1.0	1.1	0.8	0.1	0.0	0.0
260.	*	0.1	0.1	1.7	1.6	0.9	0.1	0.0	0.0
270.	*	0.3	0.1	1.9	0.9	0.2	0.4	0.2	0.0
280.	*	1.0	0.5	1.1	0.1	0.0	0.8	0.4	0.3
290.	*	1.2	0.8	0.6	0.0	0.0	0.9	0.6	0.5
300.	*	1.1	0.9	0.3	0.0	0.0	0.7	0.6	0.5
310.	*	0.9	0.9	0.2	0.0	0.0	0.6	0.5	0.4
320.	*	0.8	0.6	0.2	0.0	0.0	0.6	0.4	0.4
330.	*	0.7	0.6	0.3	0.0	0.0	0.6	0.4	0.4
340.	*	0.7	0.7	0.2	0.0	0.0	0.5	0.4	0.4
350.	*	1.0	1.0	0.3	0.0	0.0	0.7	0.4	0.3
360.	*	0.8	0.5	0.6	0.3	0.2	1.0	0.7	0.5
MAX	*	1.3	1.0	1.9	1.6	0.9	1.4	1.3	1.0
DEGR.	*	80	350	270	260	260	90	80	80

THE HIGHEST CONCENTRATION OF 1.90 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030centralB- Tropicana and I-15 NB Ramps- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 21:46:45

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
1. Link_2	*	7.6	-152.4	7.6	418.5	*	571.	360. AG	190.	100.0	0.0	11.0	1.52	95.2
2. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2134.	6.1	0.0	17.0		
3. Link_12	*	152.4	7.6	131.5	7.6	*	21.	270. AG	222.	100.0	0.0	25.6	0.79	3.5
4. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	3229.	6.1	0.0	24.3		
5. Link_4	*	-152.4	-7.6	-138.0	-7.6	*	14.	90. AG	159.	100.0	0.0	18.3	0.60	2.4
6. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. BR	2223.	6.1	0.0	13.4		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
1. Link_2	*	60	40	2.0	1459	1200	35.50	1	3
3. Link_12	*	60	20	2.0	3968	1200	35.50	1	3
5. Link_4	*	60	20	2.0	2159	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.4	0.3	0.2	0.1	0.9	0.8	0.4	0.4	0.1	0.1	0.1	0.0	0.6	0.4	0.4	0.4	1.6	0.8	4.4	4.4
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.7	0.5	0.4	0.4	1.1	1.0	0.9	0.8	0.1	0.0	2.0	1.9
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.8	0.7	0.6	0.4	1.3	1.1	1.1	1.0	0.0	0.0	0.9	0.9
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.7	0.7	0.6	0.6	1.0	1.0	1.0	1.0	0.0	0.0	0.4	0.6
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.7	0.6	0.5	0.9	0.8	0.7	0.7	0.0	0.0	0.3	0.6
50.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.4	0.7	0.6	0.5	0.5	0.8	0.5	0.5	0.5	0.0	0.0	0.4	0.7
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.0	0.0	0.2	0.7
70.	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.5	0.5	0.5	0.4	0.8	0.7	0.8	0.6	0.0	0.0	0.2	0.8
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.5	0.5	0.5	0.5	0.9	0.8	0.7	0.5	0.0	0.0	0.2	1.3
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.1	0.1	0.4	1.5
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.4	0.3	0.8	0.9
110.	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	1.0	0.8	0.8	0.7	0.3	0.3	0.3	0.2	0.4	0.4	0.7	0.5
120.	0.3	0.3	0.2	0.3	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.9	0.3	0.3	0.3	0.3	0.4	0.3	0.7	0.3
130.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.1	0.9	0.9	0.8	0.4	0.3	0.3	0.3	0.3	0.3	0.7	0.3
140.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.7	0.4	0.4	0.3	0.3	0.3	0.3	0.7	0.3
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.8	0.4	0.4	0.3	0.2	0.3	0.3	0.8	0.4
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.8	0.4	0.2	0.1	0.0	0.3	0.3	1.1	0.7
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.4	0.1	0.0	0.0	0.0	0.3	0.2	1.8	1.3
180.	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.0	0.5	3.1	2.5
190.	0.9	0.7	0.6	0.5	0.5	0.3	0.1	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.8	1.1	2.8	2.2
200.	0.9	0.8	0.7	0.7	0.7	0.6	0.4	0.2	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.7	1.2	2.0	1.4
210.	0.9	0.8	0.7	0.6	0.6	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.5	1.1	1.7	1.1
220.	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.4	1.1	1.5	1.0
230.	0.9	0.9	0.9	0.7	0.4	0.4	0.4	0.3	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	1.4	1.1	1.3	0.9
240.	1.1	1.1	0.9	0.9	0.4	0.4	0.3	0.3	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	1.4	1.3	1.4	0.8
250.	1.4	1.3	1.1	1.0	0.4	0.4	0.3	0.3	0.9	0.7	0.5	0.3	0.0	0.0	0.0	0.0	1.7	1.5	1.6	0.9
260.	1.5	1.3	0.9	0.8	0.4	0.4	0.3	0.3	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	2.0	1.8	2.1	0.9
270.	0.9	0.8	0.5	0.5	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.3	2.4	1.2
280.	0.7	0.7	0.5	0.5	0.7	0.7	0.5	0.4	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	1.1	0.8	1.8	1.8
290.	0.7	0.7	0.5	0.5	1.0	0.9	0.7	0.7	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	1.0	0.8	1.4	1.8
300.	0.7	0.7	0.5	0.5	1.0	1.0	0.7	0.7	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	1.0	0.9	1.2	1.7
310.	0.7	0.7	0.7	0.6	1.1	1.0	0.9	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	1.2	0.9	1.2	1.6
320.	0.9	0.7	0.7	0.7	1.1	1.1	0.9	0.9	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.2	1.0	1.3	1.7
330.	1.0	0.9	0.8	0.7	1.3	1.2	1.0	0.9	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.5	1.2	1.7	1.8
340.	1.2	1.0	0.9	0.7	1.5	1.5	1.3	1.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	1.9	1.4	2.2	2.1
350.	1.2	1.0	0.7	0.5	1.7	1.6	1.2	1.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	2.5	1.7	3.5	3.5
360.	0.4	0.3	0.2	0.1	0.9	0.8	0.4	0.4	0.1	0.1	0.1	0.0	0.6	0.4	0.4	0.4	1.6	0.8	4.4	4.4
MAX	1.5	1.3	1.1	1.0	1.7	1.6	1.3	1.1	1.1	1.0	0.9	0.9	1.3	1.1	1.1	1.0	2.5	1.8	4.4	4.4
DEGR.	260	250	250	250	350	350	340	340	120	120	120	120	20	20	20	20	350	260	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	2.2	1.2	0.9	0.4	0.2	1.1	0.9	0.7
10.	*	0.5	0.3	1.8	1.1	0.9	2.1	1.7	1.4
20.	*	0.4	0.3	1.6	1.3	1.0	1.8	1.6	1.4
30.	*	0.4	0.4	1.4	1.0	0.9	1.4	1.2	1.2
40.	*	0.5	0.4	1.3	1.0	0.7	1.1	1.0	0.9
50.	*	0.5	0.4	1.2	0.8	0.7	1.0	0.8	0.8
60.	*	0.6	0.5	1.2	0.8	0.6	0.9	0.8	0.7
70.	*	0.9	0.7	1.1	0.9	0.6	0.9	0.9	0.8
80.	*	1.2	0.7	1.0	1.1	0.6	1.3	1.4	1.1
90.	*	0.7	0.2	1.3	1.4	0.6	1.6	1.0	0.6
100.	*	0.1	0.0	1.6	1.7	1.1	0.9	0.5	0.3
110.	*	0.0	0.0	1.7	1.7	1.3	0.7	0.4	0.3
120.	*	0.0	0.0	1.6	1.5	1.2	0.5	0.4	0.3
130.	*	0.0	0.0	1.4	1.4	1.3	0.5	0.4	0.4
140.	*	0.0	0.0	1.3	1.3	1.1	0.5	0.5	0.4
150.	*	0.0	0.0	1.2	1.2	1.1	0.6	0.5	0.5
160.	*	0.0	0.0	1.1	1.2	1.1	0.7	0.6	0.5
170.	*	0.0	0.0	1.2	1.0	0.9	0.7	0.4	0.2
180.	*	0.6	0.2	0.6	0.6	0.5	0.1	0.0	0.0
190.	*	1.3	0.8	0.4	0.5	0.5	0.0	0.0	0.0
200.	*	1.1	0.8	0.5	0.6	0.5	0.0	0.0	0.0
210.	*	0.9	0.7	0.5	0.6	0.5	0.0	0.0	0.0
220.	*	0.7	0.6	0.6	0.6	0.6	0.0	0.0	0.0
230.	*	0.7	0.5	0.6	0.7	0.7	0.0	0.0	0.0
240.	*	0.6	0.5	0.7	0.9	0.8	0.0	0.0	0.0
250.	*	0.6	0.5	0.9	1.1	1.0	0.0	0.0	0.0
260.	*	0.5	0.5	1.5	1.6	1.2	0.0	0.0	0.0
270.	*	0.8	0.6	1.6	1.3	0.4	0.4	0.1	0.0
280.	*	1.4	1.0	1.1	0.5	0.0	0.8	0.5	0.4
290.	*	1.6	1.2	0.6	0.2	0.0	0.9	0.7	0.6
300.	*	1.6	1.2	0.4	0.1	0.0	0.7	0.6	0.5
310.	*	1.5	1.2	0.2	0.1	0.0	0.6	0.5	0.5
320.	*	1.5	1.3	0.2	0.1	0.0	0.6	0.5	0.4
330.	*	1.8	1.5	0.3	0.1	0.0	0.5	0.5	0.4
340.	*	2.0	1.6	0.3	0.1	0.0	0.5	0.4	0.4
350.	*	2.8	2.1	0.3	0.1	0.0	0.5	0.4	0.4
360.	*	2.2	1.2	0.9	0.4	0.2	1.1	0.9	0.7
MAX	*	2.8	2.1	1.8	1.7	1.3	2.1	1.7	1.4
DEGR.	*	350	350	10	100	130	10	10	10

THE HIGHEST CONCENTRATION OF 4.40 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030centralB- Tropicana and I-15 NB Ramps- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 21:45:48

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C QUEUE	
	*	X1	Y1	X2	Y2	*							(VEH)	
1. Link_2	*	7.6	-152.4	7.6	453.2	*	606.	360. AG	190.	100.0	6.1	11.0	1.55	100.9
2. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2362.	6.1	6.1	17.0		
3. Link_12	*	152.4	7.6	129.9	7.6	*	23.	270. AG	222.	100.0	6.1	25.6	0.81	3.8
4. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	3329.	6.1	6.1	24.3		
5. Link_4	*	-152.4	-7.6	-136.7	-7.6	*	16.	90. AG	159.	100.0	6.1	18.3	0.65	2.6
6. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. BR	2223.	6.1	6.1	13.4		

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)		
1. Link_2	*	60	40	2.0	1492	1200	35.50	1	3
3. Link_12	*	60	20	2.0	4068	1200	35.50	1	3
5. Link_4	*	60	20	2.0	2354	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.4	0.3	0.2	0.1	0.8	0.7	0.4	0.4	0.2	0.1	0.1	0.0	0.4	0.3	0.3	0.3	1.4	0.7	2.8	2.9
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.7	0.5	0.4	0.4	1.0	0.9	0.8	0.7	0.1	0.0	0.8	0.9
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.7	0.7	0.5	0.4	1.1	1.1	0.9	0.8	0.0	0.0	0.2	0.2
30.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.7	0.6	0.5	0.5	0.9	0.9	0.7	0.7	0.0	0.0	0.0	0.1
40.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.1
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.3	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.1
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.2
70.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.2	0.4	0.4	0.3	0.3	0.6	0.6	0.7	0.6	0.0	0.0	0.0	0.3
80.	0.0	0.0	0.0	0.0	0.4	0.2	0.1	0.0	0.4	0.4	0.4	0.3	0.8	0.7	0.6	0.4	0.0	0.0	0.0	0.8
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	1.0
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.5	0.2	0.2	0.2	0.2	0.4	0.3	0.5	0.4
110.	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.6	0.2	0.2	0.2	0.2	0.4	0.3	0.5	0.1
120.	0.3	0.3	0.2	0.3	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.7	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.1
130.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.7	0.7	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.0
140.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.0
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.6	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.0
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.7	0.7	0.6	0.3	0.2	0.1	0.0	0.2	0.2	0.3	0.1
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.2	0.2	0.7	0.4
180.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.5	1.7	1.3
190.	0.8	0.6	0.5	0.4	0.4	0.3	0.1	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.0	1.4	1.1
200.	0.8	0.7	0.7	0.6	0.5	0.5	0.3	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.8	0.8	0.5
210.	0.7	0.6	0.6	0.6	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.8	0.5	0.3
220.	0.7	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.7	0.3	0.2
230.	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.2
240.	0.8	0.7	0.9	0.8	0.3	0.3	0.3	0.3	0.5	0.4	0.5	0.5	0.0	0.0	0.0	0.0	0.6	0.8	0.4	0.1
250.	1.1	0.9	0.9	0.9	0.3	0.3	0.2	0.2	0.7	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.8	0.9	0.6	0.1
260.	1.1	0.9	0.8	0.7	0.2	0.2	0.2	0.2	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.0	0.1
270.	0.6	0.5	0.4	0.4	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.8	1.2	0.5
280.	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.5	0.4	0.7	1.0
290.	0.5	0.4	0.4	0.4	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.3	0.4	0.4	0.8
300.	0.5	0.4	0.5	0.5	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.4	0.5	0.3	0.7
310.	0.5	0.5	0.5	0.5	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.5	0.3	0.6
320.	0.7	0.5	0.5	0.5	0.9	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.6	0.3	0.5
330.	0.7	0.7	0.7	0.6	0.9	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.7	0.8	0.5	0.6
340.	1.0	0.8	0.7	0.6	1.2	1.2	1.0	1.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	1.2	1.0	0.8	0.9
350.	1.1	0.8	0.7	0.5	1.4	1.4	1.1	1.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.9	1.5	1.9	1.9
360.	0.4	0.3	0.2	0.1	0.8	0.7	0.4	0.4	0.2	0.1	0.1	0.0	0.4	0.3	0.3	0.3	1.4	0.7	2.8	2.9
MAX	1.1	0.9	0.9	0.9	1.4	1.4	1.1	1.0	0.9	0.8	0.8	0.7	1.1	1.1	0.9	0.8	1.9	1.5	2.8	2.9
DEGR.	250	250	240	250	350	350	350	340	120	120	120	130	20	20	20	20	350	350	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.7	1.1	0.6	0.3	0.2	0.8	0.7	0.5
10.	*	0.2	0.2	1.3	1.1	0.8	1.6	1.3	1.1
20.	*	0.1	0.2	1.0	1.0	0.8	1.2	1.2	1.2
30.	*	0.2	0.2	0.7	0.7	0.7	0.8	0.9	0.9
40.	*	0.2	0.2	0.7	0.5	0.5	0.7	0.6	0.6
50.	*	0.2	0.3	0.5	0.5	0.5	0.6	0.5	0.5
60.	*	0.3	0.3	0.5	0.5	0.4	0.5	0.6	0.4
70.	*	0.5	0.6	0.5	0.5	0.4	0.6	0.7	0.6
80.	*	0.9	0.6	0.4	0.5	0.4	0.9	1.0	0.9
90.	*	0.5	0.2	0.6	0.7	0.5	1.2	0.7	0.4
100.	*	0.1	0.0	0.9	1.0	0.9	0.5	0.3	0.2
110.	*	0.0	0.0	1.0	1.0	0.9	0.4	0.3	0.2
120.	*	0.0	0.0	0.8	0.9	0.8	0.3	0.3	0.2
130.	*	0.0	0.0	0.6	0.8	0.8	0.3	0.3	0.3
140.	*	0.0	0.0	0.7	0.6	0.7	0.4	0.3	0.3
150.	*	0.0	0.0	0.6	0.7	0.7	0.4	0.4	0.4
160.	*	0.0	0.0	0.7	0.7	0.7	0.6	0.5	0.4
170.	*	0.0	0.0	0.7	0.7	0.5	0.6	0.4	0.2
180.	*	0.5	0.2	0.3	0.3	0.2	0.1	0.0	0.0
190.	*	1.0	0.7	0.1	0.2	0.2	0.0	0.0	0.0
200.	*	0.7	0.6	0.1	0.2	0.2	0.0	0.0	0.0
210.	*	0.4	0.5	0.1	0.2	0.3	0.0	0.0	0.0
220.	*	0.3	0.4	0.2	0.3	0.3	0.0	0.0	0.0
230.	*	0.3	0.3	0.2	0.3	0.4	0.0	0.0	0.0
240.	*	0.2	0.3	0.3	0.4	0.5	0.0	0.0	0.0
250.	*	0.2	0.2	0.4	0.6	0.7	0.0	0.0	0.0
260.	*	0.2	0.2	0.9	1.0	0.8	0.0	0.0	0.0
270.	*	0.3	0.3	1.0	0.8	0.3	0.3	0.1	0.0
280.	*	0.9	0.6	0.6	0.2	0.0	0.7	0.4	0.3
290.	*	0.9	0.8	0.2	0.1	0.0	0.6	0.6	0.5
300.	*	0.7	0.8	0.1	0.0	0.0	0.5	0.5	0.4
310.	*	0.8	0.8	0.1	0.0	0.0	0.4	0.4	0.4
320.	*	0.8	0.9	0.0	0.0	0.0	0.3	0.3	0.3
330.	*	0.9	1.0	0.0	0.0	0.0	0.3	0.3	0.3
340.	*	1.2	1.2	0.0	0.0	0.0	0.2	0.3	0.3
350.	*	2.0	1.8	0.0	0.0	0.0	0.2	0.2	0.2
360.	*	1.7	1.1	0.6	0.3	0.2	0.8	0.7	0.5
MAX	*	2.0	1.8	1.3	1.1	0.9	1.6	1.3	1.2
DEGR.	*	350	350	10	10	100	10	10	20

THE HIGHEST CONCENTRATION OF 2.90 PPM OCCURRED AT RECEPTOR REC20.

South Station Alternative- No Project Output-2013

JOB: 2013South_station-W. Tropicana and S. Valley View- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 22:28:19

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_5	* -7.6	152.4	-7.6	112.4	* 40.	180. AG	244.	100.0	0.0	11.0	0.96	6.7
2. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	387.	7.6	0.0	13.4		
3. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2157.	7.6	0.0	17.0		
4. Link_12	* 152.4	7.6	138.6	7.6	* 14.	270. AG	203.	100.0	0.0	18.3	0.57	2.3
5. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2320.	7.6	0.0	17.0		
6. Link_4	* -152.4	-7.6	-142.2	-7.6	* 10.	90. AG	203.	100.0	0.0	18.3	0.43	1.7
7. Link_6	* 7.6	0.0	7.6	152.4	* 152.	360. AG	607.	7.6	0.0	13.4		
8. Link_8	* 7.6	-152.4	7.6	-139.8	* 13.	360. AG	407.	100.0	0.0	18.3	0.59	2.1

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
1. Link_5	* 60	40	2.0	926	1200	45.50	1	3
4. Link_12	* 60	20	2.0	2067	1200	45.50	1	3
6. Link_4	* 60	20	2.0	1530	1200	45.50	1	3
8. Link_8	* 60	40	2.0	948	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.1	0.6	0.9
10.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.6	0.5	0.5	0.4	0.0	0.0	0.3	0.6
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.4	0.3	0.3	0.4	0.4	0.4	0.5	0.0	0.0	0.1	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.7
70.	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.2	0.1	0.1	0.1	0.1	0.7	0.6	0.6	0.4	0.0	0.0	0.0	0.9
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.7	0.6	0.4	0.2	0.0	0.0	0.0	1.5
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.0	0.1	0.0	0.3	1.7
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.4	0.3	0.6	1.0
110.	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.1	0.1	0.1	0.0	0.6	0.5	0.7	0.5
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.4	0.1	0.1	0.1	0.0	0.5	0.4	0.6	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.5	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.6	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.2	0.2	0.3	0.4	0.3	0.5	0.2
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.1	0.4	0.3	0.5	0.2
170.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.3	0.2	0.0	0.0	0.0	0.3	0.3	0.5	0.2
180.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.3
190.	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.3
200.	0.4	0.4	0.4	0.3	0.1	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.3
210.	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.3
220.	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.3
230.	0.3	0.3	0.3	0.3	0.1	0.1	0.0	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.4
240.	0.5	0.5	0.5	0.5	0.1	0.0	0.0	0.0	0.6	0.5	0.4	0.5	0.0	0.0	0.0	0.0	0.4	0.5	0.4	0.4
250.	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.8	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.7	0.4
260.	0.8	0.6	0.5	0.4	0.1	0.0	0.0	0.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.3	1.0	1.2	0.5
270.	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.4	1.6	0.7
280.	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.1	0.8	1.3
290.	0.1	0.1	0.1	0.1	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.1	0.1	0.1	0.3	1.2
300.	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.1	0.1	0.1	1.1
310.	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.1	0.2	1.0
320.	0.1	0.1	0.2	0.3	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.9
330.	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.7
340.	0.5	0.4	0.2	0.2	0.7	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.4	0.4	0.4	0.6
350.	0.2	0.1	0.0	0.0	0.8	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6	0.4	0.7	0.9
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.1	0.6	0.9
MAX	0.8	0.7	0.6	0.6	0.8	0.7	0.5	0.5	0.8	0.6	0.5	0.5	0.7	0.6	0.6	0.5	1.3	1.0	1.6	1.7
DEGR.	260	250	250	250	350	70	60	60	250	120	110	130	70	70	70	20	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.8	0.5	0.5	0.2	0.1	0.7	0.6	0.4
10.	*	0.5	0.4	0.5	0.3	0.4	0.8	0.6	0.6
20.	*	0.5	0.4	0.4	0.2	0.2	0.7	0.7	0.4
30.	*	0.5	0.5	0.4	0.1	0.1	0.5	0.5	0.4
40.	*	0.6	0.5	0.3	0.1	0.1	0.3	0.3	0.3
50.	*	0.7	0.5	0.4	0.1	0.1	0.3	0.3	0.4
60.	*	0.8	0.6	0.4	0.1	0.1	0.5	0.4	0.5
70.	*	1.0	0.8	0.5	0.1	0.1	0.6	0.7	0.7
80.	*	1.5	0.9	0.5	0.1	0.1	1.3	1.3	1.1
90.	*	0.8	0.2	0.8	0.4	0.1	1.5	0.9	0.4
100.	*	0.1	0.0	1.2	1.0	0.5	0.7	0.2	0.1
110.	*	0.0	0.0	1.3	1.1	0.7	0.3	0.1	0.1
120.	*	0.0	0.0	1.3	1.1	0.8	0.1	0.1	0.1
130.	*	0.0	0.0	0.9	1.0	0.9	0.1	0.1	0.1
140.	*	0.0	0.0	0.8	0.8	0.7	0.1	0.1	0.1
150.	*	0.0	0.0	0.7	0.8	0.7	0.2	0.1	0.1
160.	*	0.0	0.0	0.6	0.6	0.6	0.2	0.2	0.2
170.	*	0.0	0.0	0.7	0.8	0.6	0.4	0.3	0.2
180.	*	0.1	0.1	0.8	0.7	0.6	0.4	0.1	0.0
190.	*	0.2	0.1	0.5	0.5	0.4	0.2	0.0	0.0
200.	*	0.1	0.1	0.5	0.5	0.5	0.1	0.0	0.0
210.	*	0.1	0.1	0.5	0.6	0.5	0.0	0.0	0.0
220.	*	0.1	0.1	0.5	0.6	0.5	0.0	0.0	0.0
230.	*	0.1	0.1	0.7	0.7	0.6	0.0	0.0	0.0
240.	*	0.1	0.1	0.8	0.8	0.7	0.0	0.0	0.0
250.	*	0.1	0.1	1.0	1.1	0.8	0.0	0.0	0.0
260.	*	0.1	0.1	1.5	1.6	0.8	0.0	0.0	0.0
270.	*	0.4	0.1	1.8	0.9	0.2	0.3	0.1	0.0
280.	*	0.9	0.5	1.0	0.1	0.0	0.7	0.4	0.3
290.	*	1.1	0.8	0.5	0.0	0.0	0.7	0.6	0.5
300.	*	1.0	0.8	0.3	0.0	0.0	0.6	0.5	0.5
310.	*	0.9	0.8	0.2	0.0	0.0	0.5	0.5	0.4
320.	*	0.8	0.7	0.2	0.0	0.0	0.5	0.4	0.4
330.	*	0.7	0.7	0.3	0.0	0.0	0.5	0.4	0.4
340.	*	0.7	0.7	0.2	0.0	0.0	0.5	0.4	0.4
350.	*	1.0	0.8	0.2	0.0	0.0	0.5	0.4	0.3
360.	*	0.8	0.5	0.5	0.2	0.1	0.7	0.6	0.4
MAX	*	1.5	0.9	1.8	1.6	0.9	1.5	1.3	1.1
DEGR.	*	80	80	270	260	130	90	80	80

THE HIGHEST CONCENTRATION OF 1.80 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013South_station- W. Tropicana and Dean Martin Dr- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 22:30:14

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-139.0	* 13.	360. AG	358.	100.0	0.0	14.6	0.69	2.2
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	669.	7.6	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	136.0	* 16.	180. AG	447.	100.0	0.0	18.3	0.76	2.7
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	765.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2373.	7.6	0.0	17.0		
6. Link_12	* 152.4	7.6	140.5	7.6	* 12.	270. AG	163.	100.0	0.0	18.3	0.56	2.0
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2015.	7.6	0.0	17.0		
8. Link_4	* -152.4	-7.6	-139.0	-7.6	* 13.	90. AG	130.	100.0	0.0	14.6	0.63	2.2

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
1. Link_2	* 60	44	2.0	662	1200	45.50	1	3
3. Link_5	* 60	44	2.0	919	1200	45.50	1	3
6. Link_12	* 60	16	2.0	2226	1200	45.50	1	3
8. Link_4	* 60	16	2.0	2015	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.2	0.2	0.2	0.3	0.1	0.6	0.9
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.5	0.4	0.3	0.3	0.0	0.0	0.3	0.7
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.2	0.6
30.	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.6
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.7
60.	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.0	0.0	0.1	0.8
70.	0.0	0.0	0.0	0.0	0.7	0.7	0.4	0.2	0.1	0.1	0.1	0.1	0.7	0.7	0.6	0.6	0.0	0.0	0.1	1.0
80.	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.8	0.6	0.5	0.4	0.0	0.0	0.1	1.5
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.1	0.0	0.3	1.8
100.	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.2	0.8	1.1
110.	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.9	0.5
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.5	0.1	0.1	0.1	0.1	0.5	0.5	0.7	0.3
130.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.5	0.4	0.6	0.2
140.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.5	0.2	0.1	0.1	0.1	0.4	0.4	0.6	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.2	0.3	0.2	0.2	0.4	0.4	0.6	0.3
160.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.6	0.3	0.3	0.2	0.2	0.4	0.4	0.5	0.2
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.4	0.2	0.1	0.0	0.0	0.4	0.3	0.5	0.2
180.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.3
190.	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.7	0.4
200.	0.5	0.4	0.4	0.4	0.1	0.2	0.1	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.7	0.4
210.	0.4	0.4	0.4	0.4	0.1	0.1	0.1	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.4
220.	0.4	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.4
230.	0.4	0.4	0.2	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.4
240.	0.5	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.5
250.	0.7	0.6	0.6	0.5	0.1	0.1	0.1	0.1	0.6	0.6	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.5
260.	0.7	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.2	0.9	1.1	0.5
270.	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.4	1.4	0.7
280.	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.1	0.7	1.2
290.	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.2	0.1	0.3	1.2
300.	0.1	0.1	0.1	0.1	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.1	0.1	1.2
310.	0.1	0.1	0.1	0.1	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	1.0
320.	0.1	0.1	0.1	0.2	0.7	0.7	0.4	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.8
330.	0.2	0.2	0.3	0.3	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.8
340.	0.4	0.4	0.3	0.2	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.3	0.3	0.7
350.	0.2	0.1	0.0	0.0	0.7	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.6	0.4	0.6	0.8
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.2	0.2	0.2	0.3	0.1	0.6	0.9
MAX	0.7	0.6	0.6	0.5	0.7	0.7	0.6	0.5	0.7	0.6	0.6	0.6	0.8	0.7	0.6	0.6	1.2	0.9	1.4	1.8
DEGR.	250	250	250	250	300	70	310	60	140	120	120	160	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.9	0.6	0.4	0.2	0.1	0.9	0.4	0.4
10.	*		0.5	0.4	0.5	0.2	0.3	0.9	0.7	0.5
20.	*		0.5	0.5	0.4	0.2	0.1	0.7	0.6	0.5
30.	*		0.6	0.5	0.4	0.2	0.1	0.6	0.7	0.5
40.	*		0.6	0.6	0.4	0.1	0.1	0.4	0.4	0.3
50.	*		0.7	0.6	0.4	0.1	0.1	0.5	0.5	0.5
60.	*		0.9	0.7	0.4	0.1	0.1	0.6	0.5	0.6
70.	*		1.1	0.8	0.4	0.1	0.1	0.8	0.9	0.8
80.	*		1.5	0.8	0.4	0.1	0.1	1.4	1.4	1.0
90.	*		0.9	0.2	0.7	0.4	0.1	1.7	1.0	0.5
100.	*		0.1	0.0	1.3	0.9	0.5	0.9	0.3	0.1
110.	*		0.0	0.0	1.3	1.1	0.8	0.4	0.2	0.1
120.	*		0.0	0.0	1.2	1.0	0.9	0.2	0.2	0.2
130.	*		0.0	0.0	1.0	0.9	0.8	0.2	0.2	0.2
140.	*		0.0	0.0	0.8	0.8	0.8	0.2	0.2	0.2
150.	*		0.0	0.0	0.7	0.7	0.6	0.3	0.3	0.2
160.	*		0.0	0.0	0.7	0.7	0.6	0.4	0.4	0.4
170.	*		0.0	0.0	0.9	1.0	0.8	0.7	0.5	0.4
180.	*		0.1	0.1	1.0	0.7	0.5	0.8	0.2	0.1
190.	*		0.2	0.2	0.6	0.5	0.4	0.3	0.0	0.0
200.	*		0.2	0.2	0.4	0.5	0.4	0.2	0.0	0.0
210.	*		0.2	0.2	0.4	0.5	0.4	0.1	0.0	0.0
220.	*		0.2	0.1	0.5	0.6	0.5	0.1	0.0	0.0
230.	*		0.1	0.1	0.6	0.6	0.5	0.1	0.0	0.0
240.	*		0.1	0.1	0.7	0.7	0.6	0.1	0.0	0.0
250.	*		0.1	0.1	0.9	1.0	0.7	0.1	0.0	0.0
260.	*		0.2	0.1	1.3	1.3	0.7	0.1	0.0	0.0
270.	*		0.4	0.1	1.6	0.8	0.2	0.2	0.0	0.0
280.	*		1.0	0.4	0.9	0.1	0.0	0.7	0.4	0.2
290.	*		1.0	0.7	0.5	0.0	0.0	0.6	0.5	0.4
300.	*		1.1	0.8	0.3	0.0	0.0	0.5	0.5	0.4
310.	*		1.0	0.8	0.2	0.0	0.0	0.6	0.4	0.4
320.	*		0.8	0.7	0.2	0.0	0.0	0.5	0.3	0.3
330.	*		0.8	0.7	0.2	0.0	0.0	0.5	0.4	0.3
340.	*		0.7	0.7	0.2	0.0	0.0	0.5	0.3	0.3
350.	*		0.9	0.8	0.2	0.0	0.0	0.6	0.3	0.3
360.	*		0.9	0.6	0.4	0.2	0.1	0.9	0.4	0.4
MAX	*		1.5	0.8	1.6	1.3	0.9	1.7	1.4	1.0
DEGR.	*		80	70	270	260	120	90	80	80

THE HIGHEST CONCENTRATION OF 1.80 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013South_station- Circulation/ Aldebaran and W. Hacienda- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 22:31:38

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	43.6	*	196.	360. AG	110.	100.0	0.0	3.7	2.38 32.7	
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	118.	7.6	0.0	9.7		
3. Link_5	*	-7.6	152.4	-7.6	151.3	*	1.	180. AG	110.	100.0	0.0	3.7	0.30 0.2	
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	8.	7.6	0.0	9.7		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	475.	7.6	0.0	13.4		
6. Link_12	*	152.4	7.6	148.3	7.6	*	4.	270. AG	37.	100.0	0.0	11.0	0.41 0.7	
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	1250.	7.6	0.0	13.4		
8. Link_4	*	-152.4	-7.6	-150.7	-7.6	*	2.	90. AG	37.	100.0	0.0	11.0	0.17 0.3	

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)		
1. Link_2	*	60	54	2.0	95	1200	45.50	1	3
3. Link_5	*	60	54	2.0	12	1200	45.50	1	3
6. Link_12	*	60	6	2.0	1222	1200	45.50	1	3
8. Link_4	*	60	6	2.0	522	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.5	0.8
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.2
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.1
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.1
50.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1
60.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.2
70.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.2
80.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.4
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.2
110.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120.	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
160.	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.0
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1
180.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.2	1.0	0.9
190.	0.4	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.5	1.2	1.1
200.	0.4	0.4	0.4	0.2	0.3	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.9	0.8
210.	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.6
220.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5
230.	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.5
240.	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.5
250.	0.5	0.5	0.5	0.3	0.2	0.2	0.2	0.1	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.7	0.6	0.7	0.5
260.	0.6	0.5	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.7	1.1	0.5
270.	0.3	0.2	0.1	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	1.2	0.6
280.	0.2	0.1	0.0	0.0	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.7	0.9
290.	0.2	0.1	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.3	0.2	0.5	0.9
300.	0.1	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.3	0.2	0.4	0.8
310.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.5	0.9
320.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.3	0.2	0.5	0.8
330.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.4	0.1	0.6	0.8
340.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.3	0.0	0.9	0.9
350.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.2	0.0	0.9	1.2
360.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.5	0.8
MAX	0.6	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.9	0.7	1.2	1.2
DEGR.	260	250	250	240	290	310	290	300	130	140	140	140	40	40	30	30	260	260	190	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	0.2	0.1	0.1	0.0	0.0	0.2	0.2	0.2
10.	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.2
20.	0.1	0.1	0.1	0.0	0.0	0.4	0.3	0.3
30.	0.1	0.1	0.3	0.0	0.0	0.4	0.4	0.4
40.	0.1	0.1	0.3	0.1	0.0	0.3	0.3	0.3
50.	0.1	0.1	0.3	0.2	0.0	0.2	0.2	0.2
60.	0.2	0.1	0.4	0.2	0.1	0.3	0.3	0.3
70.	0.2	0.2	0.4	0.2	0.2	0.3	0.3	0.3
80.	0.3	0.2	0.5	0.2	0.2	0.5	0.4	0.4
90.	0.1	0.0	0.5	0.2	0.2	0.5	0.4	0.3
100.	0.0	0.0	0.6	0.4	0.3	0.3	0.2	0.2
110.	0.0	0.0	0.6	0.5	0.3	0.2	0.2	0.2
120.	0.0	0.0	0.6	0.6	0.4	0.2	0.2	0.2
130.	0.0	0.0	0.6	0.6	0.5	0.2	0.2	0.2
140.	0.0	0.0	0.6	0.6	0.5	0.2	0.2	0.2
150.	0.0	0.0	0.6	0.6	0.5	0.3	0.3	0.2
160.	0.0	0.0	0.6	0.6	0.5	0.3	0.3	0.2
170.	0.0	0.0	0.7	0.6	0.4	0.3	0.2	0.1
180.	0.3	0.1	0.4	0.3	0.2	0.1	0.0	0.0
190.	0.6	0.4	0.3	0.3	0.2	0.0	0.0	0.0
200.	0.5	0.4	0.3	0.3	0.2	0.0	0.0	0.0
210.	0.4	0.3	0.3	0.3	0.3	0.0	0.0	0.0
220.	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
230.	0.3	0.2	0.4	0.4	0.3	0.0	0.0	0.0
240.	0.3	0.2	0.5	0.5	0.3	0.0	0.0	0.0
250.	0.3	0.2	0.6	0.6	0.4	0.0	0.0	0.0
260.	0.3	0.2	0.9	0.7	0.4	0.0	0.0	0.0
270.	0.3	0.2	1.1	0.3	0.1	0.1	0.0	0.0
280.	0.6	0.4	0.6	0.0	0.0	0.4	0.2	0.1
290.	0.7	0.5	0.3	0.0	0.0	0.4	0.3	0.3
300.	0.7	0.5	0.1	0.0	0.0	0.3	0.3	0.2
310.	0.6	0.5	0.1	0.0	0.0	0.3	0.2	0.2
320.	0.5	0.5	0.1	0.0	0.0	0.2	0.2	0.2
330.	0.6	0.4	0.1	0.0	0.0	0.2	0.2	0.2
340.	0.6	0.4	0.1	0.0	0.0	0.2	0.2	0.2
350.	0.6	0.2	0.1	0.0	0.0	0.2	0.2	0.2
360.	0.2	0.1	0.1	0.0	0.0	0.2	0.2	0.2
MAX	0.7	0.5	1.1	0.7	0.5	0.5	0.4	0.4
DEGR.	290	290	270	260	130	80	30	30

THE HIGHEST CONCENTRATION OF 1.20 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013South_station W. Hacienda and Polaris Ave- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 22:33:24

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	90.9	* 243.	360. AG	108.	100.0	0.0	3.7	2.15	40.5
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	149.	7.6	0.0	9.7		
3. Link_5	* -7.6	152.4	-7.6	76.5	* 76.	180. AG	108.	100.0	0.0	3.7	1.30	12.7
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	97.	7.6	0.0	9.7		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	543.	7.6	0.0	13.4		
6. Link_12	* 152.4	7.6	148.0	7.6	* 4.	270. AG	43.	100.0	0.0	11.0	0.39	0.7
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	1119.	7.6	0.0	13.4		
8. Link_4	* -152.4	-7.6	-150.3	-7.6	* 2.	90. AG	43.	100.0	0.0	11.0	0.18	0.4

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
1. Link_2	* 60	53	2.0	129	1200	45.50	1	3
3. Link_5	* 60	53	2.0	78	1200	45.50	1	3
6. Link_12	* 60	7	2.0	1139	1200	45.50	1	3
8. Link_4	* 60	7	2.0	543	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.0	0.9	1.1
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.2	0.2
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.3	0.2	0.3	0.3	0.0	0.0	0.0	0.1
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.1
50.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.2
60.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.2
70.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3
80.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.4
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.5
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.2
110.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
120.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.0
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1
180.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.2	1.0	0.9
190.	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.7	0.5	1.2	1.1
200.	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.9	0.8
210.	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.8	0.6
220.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5
230.	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.4
240.	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.5
250.	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.5
260.	0.5	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.6	1.0	0.5
270.	0.3	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.3	1.2	0.6
280.	0.2	0.2	0.1	0.1	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.7	0.8
290.	0.2	0.2	0.2	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.3	0.2	0.5	0.8
300.	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.3	0.2	0.4	0.8
310.	0.2	0.2	0.3	0.2	0.5	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.3	0.2	0.4	0.7
320.	0.3	0.3	0.4	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.3	0.3	0.6	0.8
330.	0.4	0.4	0.3	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.7	0.8
340.	0.4	0.1	0.1	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.8	0.5	1.0	0.9
350.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.7	0.3	1.3	1.5
360.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.0	0.9	1.1
MAX	0.5	0.5	0.4	0.3	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.9	0.6	1.3	1.5
DEGR.	250	250	200	200	310	310	290	320	130	140	140	130	10	30	20	20	260	260	350	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.3	0.2	0.3	0.2	0.1	0.4	0.3	0.3
10.	*	0.1	0.1	0.3	0.2	0.3	0.5	0.4	0.4
20.	*	0.1	0.1	0.4	0.2	0.2	0.5	0.5	0.4
30.	*	0.1	0.1	0.4	0.2	0.2	0.4	0.3	0.3
40.	*	0.1	0.1	0.3	0.2	0.2	0.2	0.3	0.3
50.	*	0.2	0.1	0.3	0.2	0.2	0.2	0.2	0.2
60.	*	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3
70.	*	0.3	0.2	0.4	0.2	0.2	0.3	0.4	0.4
80.	*	0.3	0.2	0.4	0.2	0.2	0.5	0.5	0.4
90.	*	0.2	0.0	0.4	0.2	0.2	0.6	0.4	0.3
100.	*	0.0	0.0	0.6	0.4	0.3	0.3	0.2	0.2
110.	*	0.0	0.0	0.7	0.5	0.3	0.2	0.2	0.2
120.	*	0.0	0.0	0.6	0.5	0.4	0.2	0.2	0.2
130.	*	0.0	0.0	0.6	0.6	0.5	0.2	0.2	0.2
140.	*	0.0	0.0	0.6	0.6	0.5	0.2	0.2	0.2
150.	*	0.0	0.0	0.7	0.5	0.4	0.3	0.2	0.2
160.	*	0.0	0.0	0.5	0.6	0.5	0.4	0.3	0.2
170.	*	0.0	0.0	0.6	0.4	0.4	0.4	0.2	0.1
180.	*	0.2	0.1	0.4	0.3	0.2	0.2	0.0	0.0
190.	*	0.6	0.4	0.2	0.2	0.2	0.0	0.0	0.0
200.	*	0.5	0.4	0.2	0.3	0.2	0.0	0.0	0.0
210.	*	0.4	0.3	0.3	0.3	0.2	0.0	0.0	0.0
220.	*	0.3	0.3	0.3	0.3	0.2	0.0	0.0	0.0
230.	*	0.3	0.2	0.3	0.3	0.3	0.0	0.0	0.0
240.	*	0.3	0.2	0.4	0.4	0.3	0.0	0.0	0.0
250.	*	0.3	0.2	0.5	0.5	0.4	0.0	0.0	0.0
260.	*	0.3	0.2	0.8	0.6	0.4	0.0	0.0	0.0
270.	*	0.3	0.2	1.0	0.3	0.1	0.1	0.0	0.0
280.	*	0.5	0.4	0.5	0.0	0.0	0.3	0.2	0.1
290.	*	0.7	0.5	0.2	0.0	0.0	0.3	0.3	0.2
300.	*	0.6	0.5	0.1	0.0	0.0	0.3	0.2	0.2
310.	*	0.6	0.5	0.1	0.0	0.0	0.2	0.2	0.2
320.	*	0.5	0.5	0.1	0.0	0.0	0.2	0.2	0.2
330.	*	0.6	0.4	0.1	0.0	0.0	0.2	0.2	0.2
340.	*	0.7	0.6	0.1	0.0	0.0	0.2	0.2	0.2
350.	*	0.9	0.6	0.1	0.0	0.0	0.2	0.2	0.2
360.	*	0.3	0.2	0.3	0.2	0.1	0.4	0.3	0.3
MAX	*	0.9	0.6	1.0	0.6	0.5	0.6	0.5	0.4
DEGR.	*	350	340	270	130	130	90	20	10

THE HIGHEST CONCENTRATION OF 1.50 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013South_station- W. Russell and Polaris- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 22:36: 9

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-137.2	* 15.	360. AG	171.	100.0	0.0	7.3	0.70	2.5
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	151.	7.6	0.0	9.7		
3. Link_5	* -7.6	152.4	-7.6	114.1	* 38.	180. AG	85.	100.0	0.0	3.7	0.97	6.4
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	151.	7.6	0.0	9.7		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	1955.	7.6	0.0	17.0		
6. Link_12	* 152.4	7.6	138.6	7.6	* 14.	270. AG	146.	100.0	0.0	14.6	0.61	2.3
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2118.	7.6	0.0	17.0		
8. Link_4	* -152.4	-7.6	-138.5	-7.6	* 14.	90. AG	146.	100.0	0.0	14.6	0.61	2.3

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
1. Link_2	* 60	42	2.0	395	1200	45.50	1	3
3. Link_5	* 60	42	2.0	271	1200	45.50	1	3
6. Link_12	* 60	18	2.0	1845	1200	45.50	1	3
8. Link_4	* 60	18	2.0	1862	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.5
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.0	0.0	0.3	0.4	0.2	0.2	0.0	0.0	0.1	0.4
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.7
70.	0.0	0.0	0.0	0.0	0.7	0.6	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.8
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.3	0.2	0.0	0.0	0.0	1.3
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.2	1.5
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.6	0.9
110.	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.5
120.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.3
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.2
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.1	0.3	0.3	0.4	0.2
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.0	0.3	0.3	0.4	0.2
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2
180.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.3
190.	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2
200.	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2
210.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.2
220.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2
230.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3
240.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.5	0.0	0.0	0.0	0.0	0.3	0.4	0.3	0.3
250.	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.3
260.	0.6	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.1	0.8	1.0	0.3
270.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.3	1.3	0.5
280.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.0	0.6	1.0
290.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.2	1.1
300.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	1.0
310.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.9
320.	0.0	0.0	0.0	0.1	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.7
330.	0.0	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.0	0.1	0.6
340.	0.1	0.1	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.5
350.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.1	0.2	0.6
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.5
MAX	0.6	0.5	0.5	0.4	0.7	0.6	0.5	0.5	0.7	0.6	0.5	0.5	0.6	0.5	0.4	0.4	1.1	0.8	1.3	1.5
DEGR.	250	250	250	250	70	70	310	310	250	250	130	240	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.5	0.4	0.3	0.1	0.0	0.5	0.4	0.3	
10.	*	0.4	0.4	0.2	0.1	0.1	0.4	0.3	0.3	
20.	*	0.4	0.4	0.2	0.0	0.0	0.3	0.3	0.3	
30.	*	0.5	0.4	0.2	0.0	0.0	0.3	0.3	0.3	
40.	*	0.5	0.5	0.2	0.0	0.0	0.1	0.1	0.1	
50.	*	0.6	0.5	0.3	0.0	0.0	0.1	0.1	0.1	
60.	*	0.7	0.6	0.3	0.0	0.0	0.3	0.3	0.3	
70.	*	0.9	0.7	0.3	0.0	0.0	0.5	0.6	0.6	
80.	*	1.3	0.7	0.4	0.0	0.0	1.0	1.0	0.8	
90.	*	0.7	0.2	0.6	0.3	0.0	1.2	0.7	0.3	
100.	*	0.1	0.0	1.0	0.8	0.3	0.6	0.1	0.0	
110.	*	0.0	0.0	1.0	0.9	0.6	0.2	0.0	0.0	
120.	*	0.0	0.0	1.0	0.9	0.7	0.0	0.0	0.0	
130.	*	0.0	0.0	0.9	0.9	0.7	0.0	0.0	0.0	
140.	*	0.0	0.0	0.7	0.7	0.7	0.1	0.0	0.0	
150.	*	0.0	0.0	0.6	0.6	0.5	0.1	0.1	0.0	
160.	*	0.0	0.0	0.5	0.5	0.4	0.1	0.1	0.0	
170.	*	0.0	0.0	0.5	0.6	0.5	0.2	0.2	0.1	
180.	*	0.1	0.0	0.5	0.5	0.4	0.1	0.0	0.0	
190.	*	0.0	0.1	0.4	0.5	0.4	0.1	0.0	0.0	
200.	*	0.0	0.0	0.4	0.5	0.4	0.0	0.0	0.0	
210.	*	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0	
220.	*	0.0	0.0	0.5	0.6	0.5	0.0	0.0	0.0	
230.	*	0.0	0.0	0.6	0.6	0.5	0.0	0.0	0.0	
240.	*	0.0	0.0	0.7	0.8	0.6	0.0	0.0	0.0	
250.	*	0.0	0.0	0.9	1.0	0.7	0.0	0.0	0.0	
260.	*	0.0	0.0	1.4	1.4	0.7	0.0	0.0	0.0	
270.	*	0.2	0.0	1.6	0.8	0.2	0.2	0.0	0.0	
280.	*	0.8	0.3	1.0	0.1	0.0	0.6	0.4	0.3	
290.	*	1.0	0.6	0.5	0.0	0.0	0.7	0.6	0.5	
300.	*	0.9	0.7	0.3	0.0	0.0	0.6	0.5	0.4	
310.	*	0.9	0.7	0.2	0.0	0.0	0.5	0.4	0.4	
320.	*	0.7	0.6	0.2	0.0	0.0	0.4	0.4	0.3	
330.	*	0.6	0.5	0.2	0.0	0.0	0.4	0.4	0.3	
340.	*	0.4	0.4	0.2	0.0	0.0	0.4	0.4	0.3	
350.	*	0.6	0.6	0.2	0.0	0.0	0.4	0.3	0.3	
360.	*	0.5	0.4	0.3	0.1	0.0	0.5	0.4	0.3	
MAX	*	1.3	0.7	1.6	1.4	0.7	1.2	1.0	0.8	
DEGR.	*	80	300	270	260	120	90	80	80	

THE HIGHEST CONCENTRATION OF 1.60 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013South_station- W. Russell and I-15 SB ramps

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 22:37:28

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C QUEUE	
	*	X1	Y1	X2	Y2	*							(VEH)	
1. Link_5	*	-7.6	152.4	-7.6	-637.7	*	790.	180. AG	171.	100.0	0.0	7.3	1.84	131.7
2. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1257.	7.6	0.0	13.4		
3. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	1976.	7.6	0.0	17.0		
4. Link_12	*	152.4	7.6	142.0	7.6	*	10.	270. AG	183.	100.0	0.0	18.3	0.46	1.7
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	1831.	7.6	0.0	17.0		
6. Link_4	*	-152.4	-7.6	-134.7	-7.6	*	18.	90. AG	146.	100.0	0.0	14.6	0.75	2.9

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)		
1. Link_5	*	60	42	2.0	1032	1200	45.50	1	3
4. Link_12	*	60	18	2.0	1740	1200	45.50	1	3
6. Link_4	*	60	18	2.0	2292	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.5
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.2	0.1	0.0	0.8	0.6	0.5	0.4	0.0	0.0	0.0	0.4
20.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.6	0.5	0.3	0.2	0.9	0.7	0.7	0.6	0.0	0.0	0.0	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.5	0.4	0.4	0.3	0.8	0.6	0.6	0.6	0.0	0.0	0.0	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.8	0.7	0.6	0.7	0.0	0.0	0.0	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.7
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.3	0.2	0.3	0.3	0.3	0.2	1.0	1.0	0.9	0.8	0.0	0.0	0.0	0.9
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.3	0.3	0.3	0.2	1.1	0.9	0.8	0.6	0.0	0.0	0.0	1.3
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.6	0.6	0.5	0.4	0.0	0.0	0.1	1.5
100.	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.5	0.5	0.5	0.4	0.4	0.2	0.6	0.9
110.	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.6	0.5
120.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.3
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.8	0.8	0.7	0.6	0.5	0.5	0.5	0.4	0.4	0.5	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	1.0	0.8	0.7	0.7	0.6	0.5	0.5	0.3	0.3	0.4	0.2
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.8	0.8	0.7	0.6	0.6	0.4	0.3	0.4	0.2
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.1	0.8	0.9	0.8	0.7	0.5	0.3	0.3	0.4	0.2
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.5	1.3	1.1	0.9	1.0	0.8	0.6	0.6	0.3	0.3	0.3	0.2
180.	0.5	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.9	0.7	0.6	0.4	0.5	0.3	0.3	0.2	0.7	0.6	1.1	0.9
190.	1.0	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.4	1.2	1.7	1.5
200.	1.1	0.9	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.3	1.2
210.	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.9	0.9	1.0	1.0
220.	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.9
230.	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.9
240.	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.4	0.4	0.5	0.4	0.0	0.0	0.0	0.0	0.7	0.6	0.8	0.9
250.	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.6	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.9
260.	0.8	0.6	0.5	0.4	0.5	0.4	0.3	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.3	1.0	1.3	0.9
270.	0.4	0.3	0.2	0.2	0.5	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.6	1.6	1.2
280.	0.3	0.2	0.2	0.2	0.7	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.4	0.3	0.9	1.6
290.	0.3	0.2	0.2	0.2	0.9	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.3	0.3	0.6	1.6
300.	0.3	0.2	0.2	0.2	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.3	0.4	1.5
310.	0.3	0.3	0.3	0.3	1.0	1.0	0.8	0.8	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.4	0.3	0.4	1.4
320.	0.3	0.3	0.3	0.3	0.9	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.4	0.4	0.4	1.1
330.	0.4	0.3	0.3	0.2	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.4	0.5	1.1
340.	0.3	0.2	0.1	0.0	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.5	0.4	0.6	1.1
350.	0.1	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.6	1.0
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.1	0.5
MAX	1.1	0.9	0.8	0.8	1.0	1.0	0.8	0.8	1.5	1.3	1.1	0.9	1.1	1.0	0.9	0.8	1.4	1.2	1.7	1.6
DEGR.	200	200	190	200	310	310	310	310	170	170	160	170	80	70	70	60	190	190	190	280

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.6	0.4	2.3	0.5	0.2	2.8	0.9	0.5
10.	*		0.4	0.4	2.3	1.1	0.7	2.7	1.5	1.1
20.	*		0.5	0.4	1.5	0.9	0.7	2.0	1.4	1.0
30.	*		0.5	0.4	1.1	0.7	0.6	1.5	1.2	0.9
40.	*		0.5	0.5	1.1	0.6	0.5	1.3	1.0	0.8
50.	*		0.6	0.5	0.9	0.5	0.4	1.1	0.9	0.8
60.	*		0.7	0.6	0.9	0.5	0.4	1.3	1.1	1.0
70.	*		0.9	0.7	0.9	0.5	0.4	1.4	1.4	1.2
80.	*		1.2	0.7	0.9	0.5	0.4	1.9	1.8	1.4
90.	*		0.8	0.2	1.1	0.7	0.4	2.2	1.5	0.9
100.	*		0.1	0.0	1.5	1.3	0.7	1.5	0.9	0.6
110.	*		0.0	0.0	1.6	1.3	1.0	1.1	0.8	0.6
120.	*		0.0	0.0	1.6	1.4	1.0	1.0	0.8	0.7
130.	*		0.0	0.0	1.5	1.3	1.1	1.0	0.8	0.7
140.	*		0.0	0.0	1.7	1.4	1.2	1.3	1.0	0.8
150.	*		0.0	0.0	1.7	1.4	1.3	1.5	1.2	0.9
160.	*		0.0	0.0	2.1	1.7	1.5	2.0	1.5	1.1
170.	*		0.0	0.0	3.2	2.4	1.8	3.1	2.0	1.4
180.	*		0.4	0.3	4.0	1.9	1.3	3.9	1.5	0.8
190.	*		1.0	0.8	1.4	0.5	0.3	1.3	0.1	0.0
200.	*		0.9	0.8	0.7	0.4	0.4	0.5	0.0	0.0
210.	*		0.7	0.6	0.5	0.4	0.4	0.2	0.0	0.0
220.	*		0.6	0.6	0.5	0.5	0.4	0.2	0.0	0.0
230.	*		0.6	0.5	0.6	0.6	0.5	0.2	0.0	0.0
240.	*		0.5	0.5	0.7	0.7	0.5	0.2	0.0	0.0
250.	*		0.5	0.5	0.8	0.9	0.6	0.1	0.0	0.0
260.	*		0.5	0.5	1.3	1.3	0.7	0.1	0.0	0.0
270.	*		0.7	0.5	1.4	0.7	0.2	0.3	0.1	0.0
280.	*		1.2	0.8	0.8	0.1	0.0	0.6	0.3	0.3
290.	*		1.4	1.0	0.4	0.0	0.0	0.7	0.5	0.4
300.	*		1.3	1.2	0.4	0.0	0.0	0.7	0.4	0.4
310.	*		1.3	1.1	0.2	0.0	0.0	0.6	0.4	0.3
320.	*		1.1	1.0	0.3	0.0	0.0	0.6	0.3	0.3
330.	*		1.0	0.9	0.3	0.0	0.0	0.7	0.3	0.3
340.	*		1.0	0.9	0.4	0.0	0.0	0.7	0.3	0.3
350.	*		0.8	0.7	0.8	0.0	0.0	1.3	0.3	0.3
360.	*		0.6	0.4	2.3	0.5	0.2	2.8	0.9	0.5
MAX	*		1.4	1.2	4.0	2.4	1.8	3.9	2.0	1.4
DEGR.	*		290	300	180	170	170	180	170	80

THE HIGHEST CONCENTRATION OF 4.00 PPM OCCURRED AT RECEPTOR REC23.

South Station Alternative- With Project Output-2013

JOB: 2013South_station- W Tropicana and S. Valley View- With Project-DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:53:22

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_5	* -7.6	152.4	-7.6	120.4	* 32.	180. AG	238.	100.0	0.0	11.0	0.91	5.3
2. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	387.	7.6	0.0	13.4		
3. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2212.	7.6	0.0	17.0		
4. Link_12	* 152.4	7.6	137.7	7.6	* 15.	270. AG	214.	100.0	0.0	18.3	0.60	2.5
5. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2320.	7.6	0.0	17.0		
6. Link_4	* -152.4	-7.6	-141.7	-7.6	* 11.	90. AG	214.	100.0	0.0	18.3	0.44	1.8
7. Link_6	* 7.6	0.0	7.6	152.4	* 152.	360. AG	647.	7.6	0.0	13.4		
8. Link_8	* 7.6	-152.4	7.6	-139.4	* 13.	360. AG	397.	100.0	0.0	18.3	0.59	2.2

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
1. Link_5	* 60	39	2.0	926	1200	45.50	1	3
4. Link_12	* 60	21	2.0	2107	1200	45.50	1	3
6. Link_4	* 60	21	2.0	1530	1200	45.50	1	3
8. Link_8	* 60	39	2.0	1003	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.1	0.7	0.9	
10.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.3	0.6	
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.3	0.3	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.4	
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.5	
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.5	
50.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.6	
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.4	0.0	0.0	0.1	0.8	
70.	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.2	0.1	0.1	0.1	0.1	0.7	0.7	0.6	0.4	0.0	0.0	0.0	1.0	
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.8	0.6	0.4	0.2	0.0	0.0	0.0	1.5	
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.0	0.1	0.0	0.4	1.7	
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.5	0.3	0.7	1.0	
110.	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.1	0.1	0.1	0.0	0.6	0.5	0.7	0.5	
120.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.4	0.1	0.1	0.1	0.0	0.5	0.5	0.6	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.5	0.2	
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.6	0.2	
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.2	0.2	0.3	0.4	0.3	0.6	0.2	
160.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.2	0.3	0.2	0.1	0.4	0.3	0.5	0.2	
170.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.3	0.2	0.0	0.0	0.0	0.3	0.3	0.5	0.2	
180.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.3	
190.	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.3	
200.	0.4	0.4	0.4	0.3	0.1	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.3	
210.	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.3	
220.	0.3	0.4	0.3	0.3	0.1	0.1	0.1	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.3	
230.	0.3	0.3	0.3	0.3	0.1	0.1	0.0	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.4	
240.	0.5	0.5	0.5	0.5	0.1	0.0	0.0	0.0	0.6	0.5	0.4	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	
250.	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.7	0.5	
260.	0.8	0.6	0.5	0.4	0.1	0.0	0.0	0.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.3	1.0	1.2	0.5	
270.	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.4	1.6	0.7	
280.	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.1	0.8	1.3	
290.	0.1	0.1	0.1	0.1	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.1	0.1	0.1	0.3	1.2	
300.	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.2	0.1	0.2	1.1	
310.	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.1	0.2	1.0	
320.	0.1	0.1	0.1	0.2	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.9	
330.	0.3	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.7	
340.	0.4	0.3	0.2	0.1	0.7	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.4	0.4	0.3	0.7	
350.	0.2	0.1	0.0	0.0	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6	0.4	0.7	0.8	
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.1	0.7	0.9	
MAX	0.8	0.7	0.6	0.6	0.7	0.7	0.5	0.5	0.8	0.6	0.6	0.5	0.8	0.7	0.6	0.4	1.3	1.0	1.6	1.7	
DEGR.	260	250	250	250	70	70	60	60	250	120	120	130	80	70	70	10	260	260	270	90	

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.7	0.5	0.4	0.2	0.1	0.8	0.5	0.4
10.	*		0.5	0.4	0.5	0.2	0.3	0.8	0.6	0.5
20.	*		0.5	0.4	0.4	0.2	0.1	0.7	0.7	0.4
30.	*		0.5	0.5	0.4	0.1	0.1	0.5	0.5	0.4
40.	*		0.6	0.5	0.3	0.1	0.1	0.3	0.3	0.3
50.	*		0.7	0.6	0.4	0.1	0.1	0.3	0.3	0.4
60.	*		0.8	0.6	0.4	0.1	0.1	0.5	0.4	0.5
70.	*		1.1	0.9	0.5	0.1	0.1	0.6	0.7	0.8
80.	*		1.5	0.9	0.5	0.1	0.1	1.3	1.3	1.1
90.	*		0.8	0.2	0.8	0.5	0.1	1.5	0.9	0.4
100.	*		0.1	0.0	1.2	1.0	0.5	0.7	0.2	0.1
110.	*		0.0	0.0	1.3	1.1	0.7	0.3	0.1	0.1
120.	*		0.0	0.0	1.3	1.1	0.8	0.1	0.1	0.1
130.	*		0.0	0.0	1.0	1.0	0.9	0.1	0.1	0.1
140.	*		0.0	0.0	0.8	0.8	0.7	0.1	0.1	0.1
150.	*		0.0	0.0	0.7	0.8	0.7	0.2	0.1	0.1
160.	*		0.0	0.0	0.6	0.6	0.6	0.2	0.2	0.2
170.	*		0.0	0.0	0.7	0.8	0.6	0.4	0.3	0.2
180.	*		0.1	0.1	0.8	0.7	0.6	0.4	0.1	0.0
190.	*		0.2	0.1	0.5	0.5	0.4	0.2	0.0	0.0
200.	*		0.1	0.1	0.5	0.5	0.5	0.1	0.0	0.0
210.	*		0.1	0.1	0.5	0.6	0.5	0.0	0.0	0.0
220.	*		0.1	0.1	0.5	0.6	0.5	0.0	0.0	0.0
230.	*		0.1	0.1	0.7	0.7	0.6	0.0	0.0	0.0
240.	*		0.1	0.1	0.8	0.8	0.7	0.0	0.0	0.0
250.	*		0.1	0.1	1.0	1.1	0.8	0.0	0.0	0.0
260.	*		0.1	0.1	1.6	1.6	0.9	0.0	0.0	0.0
270.	*		0.4	0.1	1.8	0.9	0.2	0.3	0.1	0.0
280.	*		0.9	0.5	1.0	0.1	0.0	0.7	0.4	0.3
290.	*		1.1	0.8	0.5	0.0	0.0	0.7	0.6	0.5
300.	*		1.0	0.8	0.3	0.0	0.0	0.6	0.5	0.5
310.	*		0.9	0.8	0.2	0.0	0.0	0.5	0.5	0.4
320.	*		0.9	0.7	0.2	0.0	0.0	0.5	0.4	0.4
330.	*		0.7	0.7	0.3	0.0	0.0	0.5	0.4	0.4
340.	*		0.7	0.6	0.2	0.0	0.0	0.5	0.4	0.4
350.	*		1.0	0.7	0.2	0.0	0.0	0.5	0.4	0.3
360.	*		0.7	0.5	0.4	0.2	0.1	0.8	0.5	0.4
MAX	*		1.5	0.9	1.8	1.6	0.9	1.5	1.3	1.1
DEGR.	*		80	70	270	260	260	90	80	80

THE HIGHEST CONCENTRATION OF 1.80 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013South_station- W Tropicana and S. Valley View- With Project-EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:53:42

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-139.1	* 13.	360. AG	397.	100.0	0.0	18.3	0.60	2.2
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	663.	7.6	0.0	13.4		
3. Link_5	* -7.6	152.4	-7.6	120.4	* 32.	180. AG	238.	100.0	0.0	11.0	0.91	5.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	387.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2234.	7.6	0.0	17.0		
6. Link_12	* 152.4	7.6	137.6	7.6	* 15.	270. AG	214.	100.0	0.0	18.3	0.61	2.5
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2320.	7.6	0.0	17.0		
8. Link_4	* -152.4	-7.6	-141.7	-7.6	* 11.	90. AG	214.	100.0	0.0	18.3	0.44	1.8

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
1. Link_2	* 60	39	2.0	1025	1200	45.50	1	3
3. Link_5	* 60	39	2.0	926	1200	45.50	1	3
6. Link_12	* 60	21	2.0	2123	1200	45.50	1	3
8. Link_4	* 60	21	2.0	1530	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.1	0.7	1.0
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.3	0.6
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.3	0.3	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.4	0.0	0.0	0.1	0.8
70.	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.2	0.1	0.1	0.1	0.1	0.7	0.7	0.6	0.5	0.0	0.0	0.0	1.0
80.	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.9	0.6	0.4	0.3	0.0	0.0	0.0	1.6
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.0	0.1	0.0	0.4	1.7
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.5	0.3	0.7	1.0
110.	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.1	0.1	0.1	0.0	0.6	0.5	0.7	0.5
120.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.4	0.1	0.1	0.1	0.0	0.5	0.5	0.6	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.6	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.2	0.2	0.3	0.4	0.3	0.6	0.2
160.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.2	0.3	0.2	0.1	0.4	0.3	0.5	0.2
170.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.3	0.2	0.0	0.0	0.0	0.4	0.3	0.5	0.2
180.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.3
190.	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.3
200.	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.4	0.7	0.3
210.	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.3
220.	0.3	0.4	0.3	0.3	0.1	0.1	0.1	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.3
230.	0.3	0.3	0.3	0.3	0.1	0.1	0.0	0.0	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.4
240.	0.5	0.5	0.5	0.5	0.1	0.0	0.0	0.0	0.6	0.5	0.4	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4
250.	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.7	0.5
260.	0.8	0.6	0.5	0.4	0.1	0.0	0.0	0.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.3	1.0	1.2	0.5
270.	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.4	1.6	0.7
280.	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.1	0.8	1.3
290.	0.1	0.1	0.1	0.1	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.1	0.1	0.1	0.3	1.2
300.	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.2	0.1	0.2	1.1
310.	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.1	0.2	1.0
320.	0.1	0.1	0.1	0.2	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.9
330.	0.3	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.7
340.	0.4	0.3	0.2	0.1	0.7	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.4	0.4	0.3	0.7
350.	0.2	0.1	0.0	0.0	0.7	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6	0.4	0.7	0.9
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.1	0.7	1.0
MAX	0.8	0.7	0.6	0.6	0.7	0.7	0.6	0.5	0.8	0.6	0.6	0.5	0.9	0.7	0.6	0.5	1.3	1.0	1.6	1.7
DEGR.	260	250	250	250	70	70	320	60	250	120	120	130	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.7	0.5	0.4	0.2	0.1	0.8	0.5	0.4
10.	*		0.5	0.4	0.5	0.2	0.3	0.8	0.6	0.5
20.	*		0.5	0.4	0.4	0.2	0.1	0.7	0.7	0.5
30.	*		0.5	0.5	0.4	0.1	0.1	0.5	0.5	0.4
40.	*		0.6	0.5	0.3	0.1	0.1	0.3	0.3	0.3
50.	*		0.7	0.6	0.4	0.1	0.1	0.4	0.3	0.4
60.	*		0.8	0.7	0.4	0.1	0.1	0.5	0.4	0.5
70.	*		1.1	0.9	0.5	0.1	0.1	0.6	0.7	0.8
80.	*		1.5	0.9	0.5	0.1	0.1	1.3	1.3	1.1
90.	*		0.9	0.2	0.8	0.5	0.1	1.5	0.9	0.4
100.	*		0.1	0.0	1.2	1.0	0.5	0.7	0.2	0.1
110.	*		0.0	0.0	1.3	1.1	0.7	0.3	0.1	0.1
120.	*		0.0	0.0	1.3	1.1	0.8	0.1	0.1	0.1
130.	*		0.0	0.0	1.0	1.0	0.9	0.1	0.1	0.1
140.	*		0.0	0.0	0.8	0.8	0.7	0.1	0.1	0.1
150.	*		0.0	0.0	0.7	0.8	0.7	0.2	0.1	0.1
160.	*		0.0	0.0	0.6	0.6	0.6	0.2	0.2	0.2
170.	*		0.0	0.0	0.7	0.8	0.6	0.4	0.3	0.2
180.	*		0.1	0.1	0.8	0.7	0.6	0.4	0.1	0.0
190.	*		0.2	0.1	0.5	0.5	0.4	0.2	0.0	0.0
200.	*		0.1	0.1	0.5	0.5	0.5	0.1	0.0	0.0
210.	*		0.1	0.1	0.5	0.6	0.5	0.0	0.0	0.0
220.	*		0.1	0.1	0.5	0.6	0.5	0.0	0.0	0.0
230.	*		0.1	0.1	0.7	0.7	0.6	0.0	0.0	0.0
240.	*		0.1	0.1	0.8	0.8	0.7	0.0	0.0	0.0
250.	*		0.1	0.1	1.0	1.1	0.8	0.0	0.0	0.0
260.	*		0.1	0.1	1.6	1.6	0.9	0.0	0.0	0.0
270.	*		0.4	0.1	1.8	0.9	0.2	0.3	0.1	0.0
280.	*		1.0	0.5	1.0	0.1	0.0	0.7	0.4	0.3
290.	*		1.1	0.8	0.5	0.0	0.0	0.7	0.6	0.5
300.	*		1.0	0.8	0.3	0.0	0.0	0.6	0.5	0.5
310.	*		0.9	0.8	0.2	0.0	0.0	0.5	0.5	0.4
320.	*		0.9	0.7	0.2	0.0	0.0	0.5	0.4	0.4
330.	*		0.7	0.7	0.3	0.0	0.0	0.5	0.4	0.4
340.	*		0.7	0.6	0.2	0.0	0.0	0.5	0.4	0.4
350.	*		1.0	0.8	0.2	0.0	0.0	0.5	0.4	0.3
360.	*		0.7	0.5	0.4	0.2	0.1	0.8	0.5	0.4
MAX	*		1.5	0.9	1.8	1.6	0.9	1.5	1.3	1.1
DEGR.	*		80	70	270	260	260	90	80	80

THE HIGHEST CONCENTRATION OF 1.80 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013South_station- Tropicana and Dean Martin Dr- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:54: 2

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	-135.9	*	17.	360. AG	342.	100.0	0.0	14.6	0.74	2.8
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	818.	7.6	0.0	17.0		
3. Link_5	*	-7.6	152.4	-7.6	136.8	*	16.	180. AG	427.	100.0	0.0	18.3	0.71	2.6
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	846.	7.6	0.0	13.4		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2146.	7.6	0.0	17.0		
6. Link_12	*	152.4	7.6	138.8	7.6	*	14.	270. AG	183.	100.0	0.0	18.3	0.60	2.3
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2296.	7.6	0.0	17.0		
8. Link_4	*	-152.4	-7.6	-137.3	-7.6	*	15.	90. AG	146.	100.0	0.0	14.6	0.66	2.5

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)		
1. Link_2	*	60	42	2.0	825	1200	45.50	1	3
3. Link_5	*	60	42	2.0	1000	1200	45.50	1	3
6. Link_12	*	60	18	2.0	2266	1200	45.50	1	3
8. Link_4	*	60	18	2.0	2015	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.3	0.1	0.7	1.0
10.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.4	0.6
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.2	0.5
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.6	0.4	0.4	0.4	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.4	0.4	0.4	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.1	0.7
70.	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.2	0.1	0.1	0.1	0.1	0.7	0.6	0.6	0.5	0.0	0.0	0.1	0.9
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.7	0.6	0.4	0.3	0.0	0.0	0.1	1.5
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.4	1.7
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.3	0.7	1.0
110.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.6	0.5	0.8	0.5
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.4	0.2	0.1	0.1	0.1	0.5	0.4	0.7	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.6	0.1	0.1	0.1	0.1	0.4	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.5	0.2	0.2	0.1	0.1	0.4	0.3	0.6	0.2
150.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.3	0.3	0.3	0.4	0.3	0.5	0.2
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.4	0.4	0.2	0.2	0.4	0.3	0.5	0.2
170.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.4	0.3	0.1	0.0	0.0	0.3	0.3	0.5	0.2
180.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.4
190.	0.5	0.5	0.3	0.3	0.2	0.2	0.1	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.8	0.5
200.	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.9	0.5
210.	0.6	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.4
220.	0.3	0.3	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.4
230.	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.5	0.5	0.5
240.	0.6	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.6	0.6	0.5
250.	0.7	0.7	0.6	0.6	0.1	0.1	0.1	0.1	0.8	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.9	0.9	0.8	0.5
260.	0.8	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.1	1.3	0.5
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	1.7	0.7
280.	0.1	0.1	0.1	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	0.2	0.9	1.3
290.	0.1	0.1	0.1	0.1	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.1	0.2	0.2	0.4	1.2
300.	0.2	0.1	0.1	0.1	0.7	0.6	0.6	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.2	0.2	0.2	1.2
310.	0.2	0.1	0.1	0.1	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.2	1.0
320.	0.2	0.2	0.1	0.2	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	1.0
330.	0.2	0.3	0.4	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.7
340.	0.4	0.4	0.2	0.2	0.6	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.5	0.4	0.4	0.7
350.	0.3	0.1	0.0	0.0	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.5	0.7	0.9
360.	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.3	0.1	0.7	1.0
MAX	0.8	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.8	0.7	0.6	0.6	0.7	0.6	0.6	0.5	1.4	1.1	1.7	1.7
DEGR.	260	250	250	250	70	310	300	310	250	130	130	130	70	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.8	0.5	0.5	0.1	0.1	0.8	0.5	0.4
10.	*	0.5	0.4	0.5	0.2	0.3	0.9	0.8	0.5
20.	*	0.5	0.4	0.5	0.2	0.2	0.9	0.7	0.5
30.	*	0.5	0.5	0.4	0.2	0.2	0.6	0.7	0.6
40.	*	0.6	0.5	0.4	0.2	0.2	0.5	0.4	0.4
50.	*	0.7	0.5	0.5	0.1	0.1	0.4	0.4	0.5
60.	*	0.8	0.6	0.5	0.1	0.1	0.6	0.5	0.6
70.	*	1.0	0.8	0.6	0.1	0.1	0.7	0.8	0.8
80.	*	1.5	0.9	0.5	0.1	0.1	1.3	1.3	1.1
90.	*	0.8	0.2	0.8	0.4	0.1	1.6	1.0	0.5
100.	*	0.1	0.0	1.2	1.0	0.5	0.8	0.3	0.2
110.	*	0.0	0.0	1.3	1.1	0.7	0.4	0.2	0.2
120.	*	0.0	0.0	1.2	1.1	0.8	0.2	0.2	0.2
130.	*	0.0	0.0	0.9	1.1	1.0	0.2	0.2	0.2
140.	*	0.0	0.0	0.8	0.8	0.8	0.2	0.3	0.2
150.	*	0.0	0.0	0.8	0.8	0.7	0.3	0.3	0.2
160.	*	0.0	0.0	0.7	0.8	0.7	0.4	0.4	0.4
170.	*	0.0	0.0	1.0	1.0	0.8	0.7	0.6	0.4
180.	*	0.1	0.1	1.1	0.9	0.6	0.8	0.2	0.1
190.	*	0.2	0.2	0.6	0.5	0.4	0.4	0.0	0.0
200.	*	0.2	0.2	0.5	0.5	0.4	0.2	0.0	0.0
210.	*	0.2	0.2	0.5	0.6	0.5	0.1	0.0	0.0
220.	*	0.2	0.1	0.5	0.6	0.5	0.1	0.0	0.0
230.	*	0.1	0.1	0.7	0.7	0.6	0.1	0.0	0.0
240.	*	0.1	0.1	0.8	0.8	0.7	0.1	0.0	0.0
250.	*	0.1	0.1	1.0	1.1	0.8	0.1	0.0	0.0
260.	*	0.1	0.1	1.6	1.5	0.8	0.1	0.0	0.0
270.	*	0.4	0.1	1.8	0.9	0.2	0.4	0.1	0.0
280.	*	0.9	0.5	1.0	0.1	0.0	0.8	0.4	0.3
290.	*	1.1	0.7	0.5	0.0	0.0	0.7	0.6	0.5
300.	*	1.1	0.9	0.3	0.0	0.0	0.7	0.5	0.5
310.	*	0.9	0.8	0.2	0.0	0.0	0.6	0.5	0.4
320.	*	0.9	0.8	0.2	0.0	0.0	0.6	0.4	0.4
330.	*	0.7	0.7	0.3	0.0	0.0	0.6	0.4	0.3
340.	*	0.7	0.6	0.2	0.0	0.0	0.5	0.4	0.4
350.	*	1.0	0.8	0.2	0.0	0.0	0.6	0.4	0.3
360.	*	0.8	0.5	0.5	0.1	0.1	0.8	0.5	0.4
MAX	*	1.5	0.9	1.8	1.5	1.0	1.6	1.3	1.1
DEGR.	*	80	80	270	260	130	90	80	80

THE HIGHEST CONCENTRATION OF 1.80 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013South_station- Tropicana and Dean Martin Dr- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 15:54:23

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-134.9	* 17.	360. AG	334.	100.0	0.0	14.6	0.74	2.9
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	879.	7.6	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	138.1	* 14.	180. AG	417.	100.0	0.0	18.3	0.67	2.4
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	879.	7.6	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2146.	7.6	0.0	17.0		
6. Link_12	* 152.4	7.6	138.0	7.6	* 14.	270. AG	193.	100.0	0.0	18.3	0.62	2.4
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2319.	7.6	0.0	17.0		
8. Link_4	* -152.4	-7.6	-136.5	-7.6	* 16.	90. AG	155.	100.0	0.0	14.6	0.68	2.7

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
1. Link_2	* 60	41	2.0	893	1200	45.50	1	3
3. Link_5	* 60	41	2.0	1003	1200	45.50	1	3
6. Link_12	* 60	19	2.0	2282	1200	45.50	1	3
8. Link_4	* 60	19	2.0	2015	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.1	0.8	1.1
10.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.5	0.5	0.4	0.4	0.1	0.0	0.4	0.7
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.2	0.5
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.6	0.5	0.4	0.4	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.3	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.1	0.7
70.	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.2	0.1	0.1	0.1	0.1	0.8	0.6	0.6	0.5	0.0	0.0	0.1	0.9
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.1	0.1	0.1	0.1	0.7	0.6	0.4	0.3	0.0	0.0	0.1	1.5
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.4	1.7
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.4	0.3	0.7	1.0
110.	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.2	0.1	0.1	0.1	0.6	0.5	0.8	0.5
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.4	0.2	0.1	0.1	0.1	0.5	0.4	0.7	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.6	0.2	0.1	0.1	0.1	0.4	0.4	0.6	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.5	0.2	0.2	0.1	0.2	0.4	0.3	0.6	0.2
150.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.2	0.3	0.3	0.3	0.4	0.3	0.5	0.2
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.7	0.6	0.6	0.4	0.4	0.2	0.2	0.4	0.3	0.5	0.2
170.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.4	0.3	0.1	0.0	0.0	0.3	0.3	0.5	0.2
180.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.8	0.4
190.	0.5	0.5	0.3	0.3	0.2	0.2	0.1	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.9	0.5
200.	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.9	0.5
210.	0.6	0.4	0.3	0.3	0.2	0.1	0.1	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.4
220.	0.3	0.3	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.4
230.	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.5	0.5	0.5
240.	0.6	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.6	0.6	0.5
250.	0.8	0.7	0.6	0.6	0.1	0.1	0.1	0.1	0.8	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.9	0.9	0.8	0.5
260.	0.8	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.1	1.3	0.6
270.	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	1.7	0.9
280.	0.1	0.1	0.1	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	0.2	0.9	1.4
290.	0.2	0.1	0.1	0.1	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.2	0.2	0.4	1.2
300.	0.2	0.1	0.1	0.1	0.7	0.6	0.6	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.2	0.2	0.2	1.2
310.	0.2	0.1	0.1	0.1	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.2	1.0
320.	0.2	0.2	0.2	0.1	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.2	1.0
330.	0.2	0.3	0.3	0.3	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
340.	0.5	0.4	0.2	0.2	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.5	0.4	0.4	0.7
350.	0.3	0.1	0.0	0.0	0.8	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.8	0.4	0.7	0.9
360.	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.1	0.8	1.1
MAX	0.8	0.7	0.6	0.6	0.8	0.7	0.6	0.6	0.8	0.7	0.6	0.6	0.8	0.6	0.6	0.5	1.4	1.1	1.7	1.7
DEGR.	250	250	250	250	350	310	300	310	250	130	130	130	70	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.8	0.5	0.4	0.1	0.1	0.8	0.5	0.4
10.	*	0.5	0.4	0.6	0.3	0.3	0.9	0.8	0.5
20.	*	0.5	0.4	0.5	0.2	0.2	0.9	0.7	0.5
30.	*	0.5	0.5	0.4	0.2	0.2	0.6	0.7	0.6
40.	*	0.6	0.5	0.4	0.2	0.2	0.5	0.5	0.4
50.	*	0.7	0.5	0.5	0.2	0.1	0.4	0.4	0.5
60.	*	0.8	0.6	0.5	0.2	0.1	0.6	0.5	0.6
70.	*	1.0	0.8	0.6	0.1	0.1	0.7	0.8	0.8
80.	*	1.5	0.9	0.6	0.1	0.1	1.4	1.4	1.2
90.	*	0.8	0.2	0.9	0.4	0.1	1.6	1.0	0.5
100.	*	0.1	0.0	1.3	1.0	0.5	0.8	0.3	0.2
110.	*	0.0	0.0	1.3	1.1	0.7	0.4	0.2	0.2
120.	*	0.0	0.0	1.2	1.1	0.8	0.2	0.2	0.2
130.	*	0.0	0.0	0.9	1.1	1.0	0.2	0.2	0.2
140.	*	0.0	0.0	0.8	0.8	0.8	0.2	0.3	0.2
150.	*	0.0	0.0	0.8	0.8	0.8	0.3	0.3	0.2
160.	*	0.0	0.0	0.7	0.8	0.8	0.4	0.5	0.4
170.	*	0.0	0.0	1.0	1.1	0.8	0.8	0.7	0.4
180.	*	0.1	0.1	1.1	0.9	0.6	0.9	0.2	0.1
190.	*	0.2	0.3	0.6	0.5	0.4	0.4	0.0	0.0
200.	*	0.2	0.2	0.5	0.5	0.5	0.2	0.0	0.0
210.	*	0.2	0.2	0.5	0.6	0.5	0.1	0.0	0.0
220.	*	0.2	0.2	0.5	0.6	0.5	0.1	0.0	0.0
230.	*	0.1	0.1	0.7	0.7	0.6	0.1	0.0	0.0
240.	*	0.1	0.1	0.8	0.8	0.7	0.1	0.0	0.0
250.	*	0.1	0.1	1.0	1.1	0.8	0.1	0.0	0.0
260.	*	0.1	0.1	1.6	1.6	0.9	0.1	0.0	0.0
270.	*	0.4	0.1	1.8	0.9	0.2	0.4	0.2	0.0
280.	*	0.9	0.5	1.0	0.1	0.0	0.8	0.4	0.3
290.	*	1.1	0.8	0.5	0.0	0.0	0.8	0.6	0.5
300.	*	1.1	0.9	0.3	0.0	0.0	0.7	0.5	0.5
310.	*	0.9	0.9	0.2	0.0	0.0	0.6	0.5	0.4
320.	*	0.9	0.8	0.2	0.0	0.0	0.6	0.4	0.4
330.	*	0.7	0.7	0.3	0.0	0.0	0.6	0.4	0.4
340.	*	0.8	0.7	0.2	0.0	0.0	0.5	0.4	0.4
350.	*	1.0	0.8	0.2	0.0	0.0	0.6	0.4	0.3
360.	*	0.8	0.5	0.4	0.1	0.1	0.8	0.5	0.4
MAX	*	1.5	0.9	1.8	1.6	1.0	1.6	1.4	1.2
DEGR.	*	80	80	270	260	130	90	80	80

THE HIGHEST CONCENTRATION OF 1.80 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013South_station- Circulation/ Aldebaran and W. Hacienda- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:54:48

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	173.4	*	326.	360. AG	110.	100.0	0.0	3.7	3.35 54.3	
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	118.	7.6	0.0	9.7		
3. Link_5	*	-7.6	152.4	-7.6	151.3	*	1.	180. AG	110.	100.0	0.0	3.7	0.30 0.2	
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	8.	7.6	0.0	9.7		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	1112.	7.6	0.0	13.4		
6. Link_12	*	152.4	7.6	147.3	7.6	*	5.	270. AG	37.	100.0	0.0	11.0	0.51 0.9	
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	1576.	7.6	0.0	13.4		
8. Link_4	*	-152.4	-7.6	-148.7	-7.6	*	4.	90. AG	37.	100.0	0.0	11.0	0.37 0.6	

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)		
1. Link_2	*	60	54	2.0	134	1200	45.50	1	3
3. Link_5	*	60	54	2.0	12	1200	45.50	1	3
6. Link_12	*	60	6	2.0	1544	1200	45.50	1	3
8. Link_4	*	60	6	2.0	1120	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.1	1.0	1.3
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.3
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.2
30.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.3
40.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3
50.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.3
60.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.4
70.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.5
80.	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.8
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	1.0
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.3	0.5
110.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.3	0.2	0.3	0.2
120.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.1
130.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1
140.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.2	0.1	0.1	0.0	0.2	0.2	0.2	0.1
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.2
180.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.3	1.1	1.0
190.	0.4	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.6	1.3	1.2
200.	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	1.0	0.9
210.	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.7
220.	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.6
230.	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.6
240.	0.5	0.5	0.5	0.4	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.5
250.	0.6	0.6	0.5	0.4	0.2	0.2	0.2	0.1	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.7	0.8	0.6
260.	0.6	0.5	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.1	0.8	1.2	0.6
270.	0.3	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.4	1.5	0.7
280.	0.2	0.2	0.1	0.1	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.2	0.8	1.1
290.	0.2	0.2	0.2	0.1	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.3	0.2	0.5	1.2
300.	0.2	0.2	0.2	0.2	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.3	0.2	0.4	1.1
310.	0.2	0.2	0.2	0.2	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.5	1.1
320.	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.3	0.5	1.0
330.	0.3	0.2	0.2	0.2	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.3	0.6	0.9
340.	0.3	0.3	0.2	0.2	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.4	0.9	1.0
350.	0.3	0.1	0.1	0.0	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.7	0.4	1.2	1.4
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.1	1.0	1.3
MAX	0.6	0.6	0.5	0.4	0.6	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	1.1	0.8	1.5	1.4
DEGR.	250	250	240	240	300	300	290	310	130	130	140	140	70	20	20	20	260	260	270	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.4	0.2	0.0	0.0	0.4	0.2	0.2	
10.	*	0.2	0.2	0.5	0.2	0.1	0.7	0.5	0.4	
20.	*	0.3	0.2	0.4	0.3	0.3	0.7	0.5	0.5	
30.	*	0.3	0.2	0.4	0.3	0.2	0.5	0.5	0.4	
40.	*	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.3	
50.	*	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	
60.	*	0.4	0.3	0.4	0.2	0.2	0.3	0.4	0.4	
70.	*	0.5	0.4	0.5	0.2	0.2	0.5	0.5	0.5	
80.	*	0.6	0.4	0.5	0.2	0.2	0.8	0.8	0.6	
90.	*	0.3	0.1	0.6	0.2	0.2	1.0	0.6	0.3	
100.	*	0.0	0.0	0.8	0.5	0.4	0.5	0.2	0.2	
110.	*	0.0	0.0	0.9	0.8	0.6	0.3	0.2	0.2	
120.	*	0.0	0.0	0.9	0.7	0.6	0.2	0.2	0.2	
130.	*	0.0	0.0	0.8	0.8	0.7	0.2	0.2	0.2	
140.	*	0.0	0.0	0.8	0.7	0.6	0.2	0.2	0.2	
150.	*	0.0	0.0	0.8	0.8	0.5	0.3	0.3	0.2	
160.	*	0.0	0.0	0.6	0.7	0.6	0.3	0.3	0.2	
170.	*	0.0	0.0	0.7	0.6	0.5	0.3	0.2	0.1	
180.	*	0.3	0.1	0.4	0.4	0.3	0.1	0.0	0.0	
190.	*	0.6	0.4	0.3	0.3	0.3	0.0	0.0	0.0	
200.	*	0.5	0.4	0.3	0.4	0.3	0.0	0.0	0.0	
210.	*	0.4	0.3	0.4	0.4	0.3	0.0	0.0	0.0	
220.	*	0.3	0.3	0.4	0.4	0.3	0.0	0.0	0.0	
230.	*	0.3	0.2	0.4	0.5	0.4	0.0	0.0	0.0	
240.	*	0.3	0.2	0.6	0.6	0.4	0.0	0.0	0.0	
250.	*	0.3	0.2	0.8	0.7	0.5	0.0	0.0	0.0	
260.	*	0.3	0.2	1.2	0.9	0.5	0.0	0.0	0.0	
270.	*	0.4	0.2	1.4	0.4	0.1	0.1	0.0	0.0	
280.	*	0.7	0.4	0.7	0.0	0.0	0.4	0.3	0.1	
290.	*	0.9	0.6	0.3	0.0	0.0	0.5	0.4	0.3	
300.	*	0.8	0.6	0.2	0.0	0.0	0.4	0.3	0.3	
310.	*	0.9	0.6	0.1	0.0	0.0	0.3	0.3	0.3	
320.	*	0.8	0.7	0.1	0.0	0.0	0.3	0.3	0.3	
330.	*	0.8	0.5	0.1	0.0	0.0	0.3	0.3	0.2	
340.	*	0.8	0.6	0.1	0.0	0.0	0.3	0.3	0.2	
350.	*	0.9	0.7	0.1	0.0	0.0	0.3	0.2	0.2	
360.	*	0.6	0.4	0.2	0.0	0.0	0.4	0.2	0.2	
MAX	*	0.9	0.7	1.4	0.9	0.7	1.0	0.8	0.6	
DEGR.	*	310	320	270	260	130	90	80	80	

THE HIGHEST CONCENTRATION OF 1.50 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013South_station- Circulation/ Aldebaran and W. Hacienda- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:55:11

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	229.9	*	382.	360. AG	110.	100.0	0.0	3.7	3.78	63.7
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	118.	7.6	0.0	9.7		
3. Link_5	*	-7.6	152.4	-7.6	151.3	*	1.	180. AG	110.	100.0	0.0	3.7	0.30	0.2
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	8.	7.6	0.0	9.7		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	1376.	7.6	0.0	13.4		
6. Link_12	*	152.4	7.6	146.8	7.6	*	6.	270. AG	37.	100.0	0.0	11.0	0.56	0.9
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	1705.	7.6	0.0	13.4		
8. Link_4	*	-152.4	-7.6	-147.9	-7.6	*	5.	90. AG	37.	100.0	0.0	11.0	0.46	0.8

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)		
1. Link_2	*	60	54	2.0	151	1200	45.50	1	3
3. Link_5	*	60	54	2.0	12	1200	45.50	1	3
6. Link_12	*	60	6	2.0	1677	1200	45.50	1	3
8. Link_4	*	60	6	2.0	1367	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.1	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.2	1.1	1.4
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.4
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.3
30.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.3
40.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.4
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.5
70.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.6	0.4	0.4	0.4	0.0	0.0	0.0	0.7
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.3	0.2	0.0	0.0	0.0	1.0
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	1.2
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.4	0.6
110.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.4	0.3	0.4	0.3
120.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.6	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.3	0.3	0.4	0.2
130.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.2	0.1	0.1	0.1	0.3	0.2	0.3	0.1
140.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.1
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.1
160.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.1	0.1	0.0	0.2	0.2	0.3	0.1
170.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.2
180.	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.3	1.1	1.0
190.	0.5	0.4	0.4	0.2	0.2	0.2	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.6	1.3	1.2
200.	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	1.0	0.9
210.	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.7
220.	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.6
230.	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.6
240.	0.5	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.6
250.	0.7	0.6	0.6	0.4	0.2	0.2	0.2	0.1	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.7	0.8	0.6
260.	0.7	0.6	0.4	0.3	0.2	0.2	0.1	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.2	0.9	1.3	0.7
270.	0.3	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.4	1.6	0.8
280.	0.2	0.2	0.1	0.1	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.2	0.8	1.2
290.	0.2	0.2	0.2	0.1	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.3	0.2	0.5	1.2
300.	0.2	0.2	0.2	0.2	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.2	0.4	1.2
310.	0.2	0.2	0.2	0.2	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.2	0.5	1.3
320.	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.3	0.3	0.5	1.1
330.	0.3	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.3	0.6	1.1
340.	0.3	0.3	0.3	0.2	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.4	0.9	1.1
350.	0.3	0.2	0.2	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.7	0.5	1.2	1.6
360.	0.1	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.2	1.1	1.4
MAX	0.7	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.6	0.6	0.5	0.5	0.6	0.4	0.4	0.4	1.2	0.9	1.6	1.6
DEGR.	250	250	250	240	300	300	290	300	120	140	130	140	70	10	20	20	260	260	270	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.7	0.5	0.2	0.1	0.0	0.4	0.4	0.2	
10.	*	0.3	0.3	0.5	0.3	0.2	0.7	0.6	0.5	
20.	*	0.3	0.3	0.5	0.3	0.3	0.7	0.6	0.5	
30.	*	0.3	0.3	0.4	0.3	0.2	0.5	0.5	0.4	
40.	*	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.3	
50.	*	0.4	0.3	0.3	0.2	0.2	0.3	0.3	0.3	
60.	*	0.5	0.4	0.4	0.2	0.2	0.4	0.4	0.4	
70.	*	0.6	0.5	0.5	0.2	0.2	0.5	0.6	0.6	
80.	*	0.8	0.5	0.6	0.2	0.2	0.9	0.9	0.7	
90.	*	0.4	0.1	0.7	0.2	0.2	1.1	0.6	0.4	
100.	*	0.0	0.0	1.0	0.6	0.4	0.5	0.2	0.2	
110.	*	0.0	0.0	1.0	0.9	0.6	0.3	0.2	0.2	
120.	*	0.0	0.0	1.1	0.9	0.7	0.2	0.2	0.2	
130.	*	0.0	0.0	1.0	0.9	0.7	0.2	0.2	0.2	
140.	*	0.0	0.0	0.8	0.8	0.7	0.2	0.2	0.2	
150.	*	0.0	0.0	0.8	0.8	0.6	0.3	0.3	0.2	
160.	*	0.0	0.0	0.7	0.7	0.6	0.3	0.3	0.2	
170.	*	0.0	0.0	0.8	0.7	0.5	0.3	0.2	0.1	
180.	*	0.3	0.1	0.4	0.4	0.3	0.1	0.0	0.0	
190.	*	0.6	0.4	0.4	0.4	0.3	0.0	0.0	0.0	
200.	*	0.5	0.4	0.4	0.4	0.3	0.0	0.0	0.0	
210.	*	0.4	0.3	0.4	0.4	0.4	0.0	0.0	0.0	
220.	*	0.3	0.3	0.4	0.5	0.4	0.0	0.0	0.0	
230.	*	0.3	0.2	0.5	0.5	0.4	0.0	0.0	0.0	
240.	*	0.3	0.2	0.7	0.6	0.5	0.0	0.0	0.0	
250.	*	0.3	0.2	0.8	0.8	0.6	0.0	0.0	0.0	
260.	*	0.3	0.2	1.3	1.0	0.6	0.0	0.0	0.0	
270.	*	0.4	0.2	1.5	0.5	0.1	0.1	0.0	0.0	
280.	*	0.8	0.5	0.8	0.0	0.0	0.5	0.3	0.1	
290.	*	1.0	0.6	0.4	0.0	0.0	0.5	0.4	0.4	
300.	*	1.0	0.7	0.2	0.0	0.0	0.4	0.4	0.3	
310.	*	1.0	0.8	0.1	0.0	0.0	0.4	0.3	0.3	
320.	*	0.9	0.8	0.2	0.0	0.0	0.3	0.3	0.3	
330.	*	0.8	0.6	0.1	0.0	0.0	0.3	0.3	0.2	
340.	*	0.8	0.7	0.1	0.0	0.0	0.3	0.3	0.2	
350.	*	1.1	0.8	0.1	0.0	0.0	0.3	0.3	0.2	
360.	*	0.7	0.5	0.2	0.1	0.0	0.4	0.4	0.2	
MAX	*	1.1	0.8	1.5	1.0	0.7	1.1	0.9	0.7	
DEGR.	*	350	310	270	260	130	90	80	80	

THE HIGHEST CONCENTRATION OF 1.60 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013South_station- Hacienda and Polaris Ave- With Project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:55:29

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	1478.1	* 1630.	360. AG	85.	100.0	0.0	3.7	2.79	271.7
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	551.	7.6	0.0	9.7		
3. Link_5	* -7.6	152.4	-7.6	144.1	* 8.	180. AG	85.	100.0	0.0	3.7	0.42	1.4
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	137.	7.6	0.0	9.7		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	578.	7.6	0.0	13.4		
6. Link_12	* 152.4	7.6	137.4	7.6	* 15.	270. AG	110.	100.0	0.0	11.0	0.66	2.5
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	1718.	7.6	0.0	13.4		
8. Link_4	* -152.4	-7.6	-146.6	-7.6	* 6.	90. AG	110.	100.0	0.0	11.0	0.26	1.0

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
1. Link_2	* 60	42	2.0	782	1200	45.50	1	3
3. Link_5	* 60	42	2.0	118	1200	45.50	1	3
6. Link_12	* 60	18	2.0	1501	1200	45.50	1	3
8. Link_4	* 60	18	2.0	583	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.4	0.4	0.4	0.3	0.7	0.4	1.6	1.6
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.6	0.5	0.5	0.4	0.0	0.0	0.3	0.3
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.5	0.5	0.5	0.5	0.0	0.0	0.1	0.1
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.1
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1
50.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2
60.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
70.	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.3
80.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.4
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.5
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.3
110.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
120.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.3	0.1	0.1	0.0	0.0	0.1	0.1	0.2	0.0
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.1
180.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.2	1.0	0.7
190.	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.4	1.2	0.9
200.	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.4	0.9	0.6
210.	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.8	0.5
220.	0.3	0.3	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.4
230.	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.7	0.4
240.	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.4
250.	0.7	0.6	0.6	0.5	0.1	0.1	0.1	0.1	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.4
260.	0.7	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.2	1.0	1.3	0.4
270.	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	1.6	0.5
280.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.3	0.8	0.9
290.	0.2	0.2	0.2	0.2	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.3	0.3	0.5	0.9
300.	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.3	0.4	0.9
310.	0.3	0.2	0.2	0.2	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.3	0.6	1.0
320.	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.5	0.3	0.6	0.8
330.	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.3	0.7	0.8
340.	0.4	0.3	0.3	0.2	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.6	0.5	0.9	0.8
350.	0.5	0.3	0.3	0.3	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.9	0.6	1.4	1.3
360.	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.4	0.4	0.4	0.3	0.7	0.4	1.6	1.6
MAX	0.7	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.3	0.6	0.5	0.5	0.5	1.2	1.0	1.6	1.6
DEGR.	250	250	250	240	350	350	350	350	140	150	130	110	10	10	10	20	260	260	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.9	0.6	0.5	0.3	0.2	0.7	0.6	0.4
10.	*	0.1	0.1	0.6	0.5	0.3	0.9	0.8	0.6
20.	*	0.1	0.1	0.6	0.3	0.3	0.8	0.6	0.5
30.	*	0.1	0.1	0.4	0.3	0.3	0.5	0.5	0.5
40.	*	0.2	0.1	0.4	0.3	0.3	0.4	0.4	0.4
50.	*	0.2	0.1	0.4	0.3	0.2	0.3	0.3	0.2
60.	*	0.2	0.2	0.5	0.2	0.2	0.3	0.2	0.2
70.	*	0.3	0.2	0.5	0.2	0.2	0.2	0.3	0.3
80.	*	0.3	0.2	0.6	0.2	0.2	0.4	0.4	0.3
90.	*	0.2	0.1	0.6	0.2	0.2	0.5	0.3	0.2
100.	*	0.0	0.0	0.8	0.4	0.3	0.2	0.1	0.1
110.	*	0.0	0.0	0.8	0.7	0.4	0.1	0.1	0.1
120.	*	0.0	0.0	0.9	0.7	0.5	0.2	0.1	0.1
130.	*	0.0	0.0	0.8	0.7	0.5	0.2	0.2	0.1
140.	*	0.0	0.0	0.7	0.7	0.7	0.2	0.2	0.2
150.	*	0.0	0.0	0.7	0.6	0.6	0.3	0.2	0.2
160.	*	0.0	0.0	0.7	0.6	0.5	0.4	0.3	0.2
170.	*	0.0	0.0	0.8	0.7	0.4	0.3	0.2	0.1
180.	*	0.2	0.1	0.6	0.4	0.3	0.1	0.0	0.0
190.	*	0.5	0.3	0.4	0.4	0.3	0.1	0.0	0.0
200.	*	0.4	0.3	0.4	0.4	0.3	0.0	0.0	0.0
210.	*	0.3	0.2	0.4	0.4	0.4	0.0	0.0	0.0
220.	*	0.3	0.2	0.4	0.5	0.4	0.0	0.0	0.0
230.	*	0.2	0.2	0.5	0.5	0.4	0.0	0.0	0.0
240.	*	0.2	0.2	0.7	0.6	0.5	0.0	0.0	0.0
250.	*	0.2	0.2	0.8	0.8	0.6	0.0	0.0	0.0
260.	*	0.2	0.2	1.3	1.0	0.6	0.0	0.0	0.0
270.	*	0.3	0.2	1.5	0.5	0.1	0.1	0.0	0.0
280.	*	0.6	0.5	0.8	0.0	0.0	0.5	0.3	0.1
290.	*	0.8	0.6	0.4	0.0	0.0	0.5	0.4	0.4
300.	*	0.7	0.6	0.2	0.0	0.0	0.4	0.4	0.3
310.	*	0.7	0.6	0.1	0.0	0.0	0.4	0.3	0.3
320.	*	0.6	0.5	0.2	0.0	0.0	0.3	0.3	0.3
330.	*	0.6	0.4	0.1	0.0	0.0	0.3	0.3	0.2
340.	*	0.7	0.6	0.1	0.0	0.0	0.3	0.3	0.2
350.	*	1.0	0.7	0.1	0.0	0.0	0.3	0.3	0.2
360.	*	0.9	0.6	0.5	0.3	0.2	0.7	0.6	0.4
MAX	*	1.0	0.7	1.5	1.0	0.7	0.9	0.8	0.6
DEGR.	*	350	350	270	260	140	10	10	10

THE HIGHEST CONCENTRATION OF 1.60 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013South_station- Hacienda and Polaris Ave- With Project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:55:51

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	2137.1	*	2290.	360. AG	79.	100.0	0.0	3.7	3.09 381.6	
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	717.	7.6	0.0	9.7		
3. Link_5	*	-7.6	152.4	-7.6	143.6	*	9.	180. AG	79.	100.0	0.0	3.7	0.40 1.5	
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	154.	7.6	0.0	9.7		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	609.	7.6	0.0	13.4		
6. Link_12	*	152.4	7.6	131.1	7.6	*	21.	270. AG	128.	100.0	0.0	11.0	0.79 3.6	
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	1965.	7.6	0.0	13.4		
8. Link_4	*	-152.4	-7.6	-145.5	-7.6	*	7.	90. AG	128.	100.0	0.0	11.0	0.28 1.1	

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)		
1. Link_2	*	60	39	2.0	1052	1200	45.50	1	3
3. Link_5	*	60	39	2.0	135	1200	45.50	1	3
6. Link_12	*	60	21	2.0	1651	1200	45.50	1	3
8. Link_4	*	60	21	2.0	591	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.5	0.4	0.4	0.4	0.8	0.5	1.7	1.6
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.7	0.6	0.4	0.4	0.0	0.0	0.4	0.3
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.6	0.5	0.5	0.5	0.0	0.0	0.1	0.1
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.5	0.4	0.4	0.4	0.0	0.0	0.1	0.1
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.2
50.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.2
60.	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
70.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.3
80.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.6
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.5
100.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3
110.	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1
120.	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.0
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.1	
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.2	1.0	0.6	
190.	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.4	1.1	0.8	
200.	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.9	0.6	
210.	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.4	
220.	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.4	
230.	0.4	0.3	0.3	0.4	0.2	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.4	
240.	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.7	0.4	
250.	0.7	0.7	0.6	0.6	0.1	0.1	0.1	0.1	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	1.0	0.8	1.0	0.4	
260.	0.8	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.1	1.6	0.4	
270.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.6	1.8	0.6	
280.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.3	1.0	1.0	
290.	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.4	0.2	0.6	1.1	
300.	0.2	0.2	0.2	0.2	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.4	0.3	0.5	1.0	
310.	0.3	0.2	0.2	0.2	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.3	0.5	0.9	
320.	0.3	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.4	0.6	0.8	
330.	0.4	0.3	0.3	0.2	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.5	0.4	0.7	0.8	
340.	0.4	0.4	0.3	0.3	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.6	0.5	1.0	1.0	
350.	0.5	0.4	0.3	0.3	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.9	0.6	1.5	1.4	
360.	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.5	0.4	0.4	0.4	0.8	0.5	1.7	1.6	
MAX	0.8	0.7	0.6	0.6	0.7	0.6	0.5	0.5	0.6	0.5	0.4	0.4	0.7	0.6	0.5	0.5	1.4	1.1	1.8	1.6	
DEGR.	260	250	250	250	350	350	340	350	150	160	130	130	10	10	20	20	260	260	270	0	

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.9	0.6	0.6	0.3	0.3	0.7	0.6	0.6	
10.	*	0.1	0.1	0.7	0.4	0.4	0.9	0.8	0.7	
20.	*	0.1	0.1	0.6	0.4	0.3	0.8	0.7	0.7	
30.	*	0.1	0.1	0.5	0.4	0.3	0.7	0.6	0.5	
40.	*	0.2	0.1	0.6	0.3	0.2	0.4	0.4	0.3	
50.	*	0.2	0.1	0.5	0.2	0.2	0.3	0.2	0.2	
60.	*	0.2	0.2	0.4	0.2	0.2	0.3	0.2	0.2	
70.	*	0.3	0.3	0.5	0.2	0.2	0.2	0.3	0.3	
80.	*	0.4	0.3	0.6	0.2	0.2	0.4	0.5	0.4	
90.	*	0.2	0.1	0.7	0.2	0.2	0.5	0.3	0.2	
100.	*	0.0	0.0	0.8	0.4	0.3	0.3	0.1	0.1	
110.	*	0.0	0.0	0.9	0.7	0.4	0.1	0.1	0.1	
120.	*	0.0	0.0	0.9	0.7	0.5	0.1	0.1	0.1	
130.	*	0.0	0.0	0.8	0.7	0.6	0.2	0.1	0.1	
140.	*	0.0	0.0	0.8	0.8	0.6	0.3	0.2	0.1	
150.	*	0.0	0.0	0.7	0.7	0.6	0.3	0.3	0.2	
160.	*	0.0	0.0	0.7	0.6	0.6	0.4	0.3	0.2	
170.	*	0.0	0.0	0.8	0.7	0.6	0.3	0.2	0.1	
180.	*	0.2	0.1	0.6	0.5	0.4	0.1	0.0	0.0	
190.	*	0.4	0.3	0.4	0.4	0.4	0.1	0.0	0.0	
200.	*	0.3	0.3	0.4	0.4	0.4	0.0	0.0	0.0	
210.	*	0.3	0.2	0.5	0.5	0.4	0.0	0.0	0.0	
220.	*	0.2	0.2	0.5	0.5	0.4	0.0	0.0	0.0	
230.	*	0.2	0.2	0.6	0.6	0.5	0.0	0.0	0.0	
240.	*	0.2	0.2	0.8	0.7	0.5	0.0	0.0	0.0	
250.	*	0.2	0.1	1.0	0.9	0.7	0.0	0.0	0.0	
260.	*	0.2	0.2	1.5	1.1	0.7	0.0	0.0	0.0	
270.	*	0.3	0.2	1.7	0.5	0.2	0.1	0.0	0.0	
280.	*	0.6	0.5	0.9	0.0	0.0	0.6	0.3	0.2	
290.	*	0.8	0.6	0.4	0.0	0.0	0.6	0.5	0.4	
300.	*	0.7	0.7	0.2	0.0	0.0	0.5	0.4	0.4	
310.	*	0.8	0.6	0.1	0.0	0.0	0.4	0.4	0.3	
320.	*	0.6	0.5	0.2	0.0	0.0	0.4	0.3	0.3	
330.	*	0.6	0.5	0.2	0.0	0.0	0.4	0.3	0.3	
340.	*	0.6	0.6	0.1	0.0	0.0	0.4	0.3	0.3	
350.	*	1.0	0.8	0.1	0.0	0.0	0.3	0.3	0.3	
360.	*	0.9	0.6	0.6	0.3	0.3	0.7	0.6	0.6	
MAX	*	1.0	0.8	1.7	1.1	0.7	0.9	0.8	0.7	
DEGR.	*	350	350	270	260	250	10	10	10	

THE HIGHEST CONCENTRATION OF 1.80 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2013South_station- Russell and Polaris Ave- With Project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:56: 9

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-0.3	* 152.	360. AG	191.	100.0	0.0	7.3	1.21	25.4
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	211.	7.6	0.0	9.7		
3. Link_5	* -7.6	152.4	-7.6	-1562.7	* 1715.	180. AG	96.	100.0	0.0	3.7	3.93	285.8
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	524.	7.6	0.0	9.7		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2010.	7.6	0.0	17.0		
6. Link_12	* 152.4	7.6	140.8	7.6	* 12.	270. AG	106.	100.0	0.0	14.6	0.62	1.9
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2445.	7.6	0.0	17.0		
8. Link_4	* -152.4	-7.6	-142.1	-7.6	* 10.	90. AG	106.	100.0	0.0	14.6	0.55	1.7

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
1. Link_2	* 60	47	2.0	435	1200	45.50	1	3
3. Link_5	* 60	47	2.0	707	1200	45.50	1	3
6. Link_12	* 60	13	2.0	2146	1200	45.50	1	3
8. Link_4	* 60	13	2.0	1902	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.3	1.3
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.6	0.5	0.5	0.4	0.0	0.0	0.1	0.8
20.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.6
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.6
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.6	0.6	0.4	0.6	0.0	0.0	0.0	0.7
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.2	0.2	0.1	0.1	1.0	0.9	0.8	0.7	0.0	0.0	0.0	0.8
70.	0.0	0.0	0.0	0.0	0.6	0.5	0.3	0.2	0.2	0.1	0.1	0.1	1.2	1.0	1.0	0.8	0.0	0.0	0.0	0.9
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.2	0.1	0.1	0.1	1.2	0.9	0.7	0.6	0.0	0.0	0.0	1.3
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.7	0.6	0.5	0.4	0.0	0.0	0.1	1.5
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.6	0.5	0.4	0.4	0.4	0.2	0.6	0.9
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.6	0.5	0.5	0.4	0.5	0.4	0.6	0.5
120.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.4	0.6	0.6	0.5	0.5	0.5	0.4	0.5	0.4
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.0	0.7	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.5	0.3
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.2	1.1	1.0	0.9	0.7	0.6	0.6	0.6	0.3	0.3	0.4	0.3
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.1	0.9	0.7	0.7	0.6	0.5	0.4	0.3	0.4	0.3
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.2	1.1	0.9	0.8	0.6	0.4	0.2	0.3	0.3	0.4	0.4
170.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.1	1.1	0.8	0.8	0.6	0.4	0.3	0.3	0.3	0.3	0.7	0.9
180.	0.6	0.5	0.4	0.4	0.2	0.2	0.2	0.1	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2	1.2	0.9	2.6	3.0
190.	1.3	1.0	0.8	0.7	0.7	0.6	0.4	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	2.0	1.7	2.7	3.2
200.	1.2	1.2	1.0	1.0	0.9	0.9	0.6	0.4	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.5	1.3	1.5	2.2
210.	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.9	1.0	0.8	1.6
220.	0.6	0.5	0.5	0.5	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.5	1.5
230.	0.3	0.3	0.3	0.3	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.6	1.4
240.	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.7	0.5	0.6	1.3
250.	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.7	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.9	1.3
260.	0.8	0.6	0.5	0.4	0.6	0.6	0.5	0.5	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.3	1.1	1.4	1.3
270.	0.3	0.2	0.1	0.1	0.6	0.5	0.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	1.8	1.6
280.	0.1	0.1	0.1	0.1	0.9	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.9	2.2
290.	0.1	0.1	0.1	0.1	1.1	1.0	0.9	0.9	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.2	0.1	0.5	2.2
300.	0.1	0.1	0.1	0.1	1.2	1.1	1.0	0.9	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.2	0.3	0.1	0.4	2.1
310.	0.1	0.1	0.1	0.1	1.2	1.1	0.9	0.9	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2	0.3	2.0
320.	0.2	0.1	0.1	0.1	1.1	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2	0.3	1.9
330.	0.2	0.2	0.1	0.1	0.7	0.7	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.8
340.	0.3	0.1	0.0	0.0	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.3	0.4	1.8
350.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.5	1.7
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.3	1.3
MAX	1.3	1.2	1.0	1.0	1.2	1.1	1.0	0.9	1.3	1.2	1.1	0.9	1.2	1.0	1.0	0.8	2.0	1.7	2.7	3.2
DEGR.	190	200	200	200	300	300	300	310	160	160	150	140	70	70	70	70	190	190	190	190

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.4	1.0	0.2	0.1	1.3	0.7	0.5	
10.	*	0.5	0.4	1.3	0.5	0.3	1.7	0.9	0.7	
20.	*	0.5	0.4	1.0	0.5	0.3	1.4	1.0	0.7	
30.	*	0.5	0.4	0.8	0.3	0.3	1.1	0.7	0.7	
40.	*	0.5	0.5	0.6	0.3	0.2	0.7	0.6	0.5	
50.	*	0.6	0.5	0.7	0.3	0.2	0.6	0.6	0.5	
60.	*	0.7	0.6	0.7	0.2	0.2	1.0	0.9	0.9	
70.	*	1.0	0.7	0.7	0.2	0.2	1.3	1.2	1.2	
80.	*	1.3	0.7	0.7	0.3	0.2	1.8	1.6	1.4	
90.	*	0.8	0.2	0.9	0.5	0.2	2.1	1.3	0.9	
100.	*	0.1	0.0	1.4	1.1	0.5	1.4	0.8	0.6	
110.	*	0.0	0.0	1.4	1.2	0.8	1.0	0.6	0.6	
120.	*	0.0	0.0	1.7	1.3	1.0	0.9	0.7	0.6	
130.	*	0.0	0.0	1.8	1.6	1.2	1.1	0.8	0.6	
140.	*	0.0	0.0	1.7	1.5	1.3	1.1	0.9	0.7	
150.	*	0.0	0.0	1.8	1.6	1.5	1.3	1.0	0.9	
160.	*	0.0	0.0	2.1	1.8	1.5	1.7	1.2	1.0	
170.	*	0.0	0.0	2.5	2.0	1.6	2.0	1.3	0.9	
180.	*	0.8	0.5	2.3	1.5	1.1	1.8	0.8	0.5	
190.	*	1.7	1.1	0.8	0.6	0.5	0.4	0.0	0.0	
200.	*	1.4	1.1	0.5	0.6	0.5	0.1	0.0	0.0	
210.	*	1.1	0.9	0.5	0.6	0.5	0.0	0.0	0.0	
220.	*	1.0	0.8	0.6	0.7	0.6	0.0	0.0	0.0	
230.	*	0.9	0.8	0.7	0.7	0.6	0.0	0.0	0.0	
240.	*	0.9	0.6	0.8	0.9	0.7	0.0	0.0	0.0	
250.	*	0.9	0.7	1.1	1.2	0.9	0.0	0.0	0.0	
260.	*	0.7	0.6	1.6	1.5	0.9	0.0	0.0	0.0	
270.	*	1.0	0.6	1.9	0.9	0.3	0.2	0.1	0.0	
280.	*	1.6	1.0	1.1	0.1	0.0	0.7	0.4	0.2	
290.	*	1.9	1.4	0.6	0.0	0.0	0.8	0.6	0.5	
300.	*	1.9	1.4	0.3	0.0	0.0	0.6	0.6	0.5	
310.	*	1.7	1.5	0.2	0.0	0.0	0.6	0.5	0.4	
320.	*	1.6	1.3	0.2	0.0	0.0	0.5	0.4	0.4	
330.	*	1.2	0.9	0.3	0.0	0.0	0.5	0.4	0.4	
340.	*	1.1	0.7	0.2	0.0	0.0	0.6	0.4	0.4	
350.	*	0.8	0.7	0.3	0.0	0.0	0.6	0.4	0.4	
360.	*	0.6	0.4	1.0	0.2	0.1	1.3	0.7	0.5	
MAX	*	1.9	1.5	2.5	2.0	1.6	2.1	1.6	1.4	
DEGR.	*	290	310	170	170	170	90	80	80	

THE HIGHEST CONCENTRATION OF 3.20 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2013South_station- - Russell and Polaris Ave- With Project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 15:56:29

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-33.2	* 119.	360. AG	187.	100.0	0.0	7.3	1.13	19.9
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	238.	7.6	0.0	9.7		
3. Link_5	* -7.6	152.4	-7.6	-2067.1	* 2219.	180. AG	94.	100.0	0.0	3.7	4.43	369.9
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	680.	7.6	0.0	9.7		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2032.	7.6	0.0	17.0		
6. Link_12	* 152.4	7.6	139.1	7.6	* 13.	270. AG	114.	100.0	0.0	14.6	0.68	2.2
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2579.	7.6	0.0	17.0		
8. Link_4	* -152.4	-7.6	-141.2	-7.6	* 11.	90. AG	114.	100.0	0.0	14.6	0.57	1.9

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
1. Link_2	* 60	46	2.0	452	1200	45.50	1	3
3. Link_5	* 60	46	2.0	886	1200	45.50	1	3
6. Link_12	* 60	14	2.0	2273	1200	45.50	1	3
8. Link_4	* 60	14	2.0	1918	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.0	0.3	0.7
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.1	0.4
20.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.7	0.5	0.5	0.5	0.0	0.0	0.0	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.4	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.7	0.5	0.5	0.5	0.0	0.0	0.0	0.7
70.	0.0	0.0	0.0	0.0	0.6	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.9	0.7	0.7	0.6	0.0	0.0	0.0	0.9
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.2	0.1	0.1	0.1	0.9	0.6	0.6	0.6	0.0	0.0	0.0	1.3
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.4	0.5	0.4	0.4	0.0	0.0	0.1	1.6
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.5	0.5	0.4	0.4	0.4	0.2	0.6	0.9
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.6	0.5	0.5	0.4	0.5	0.4	0.6	0.5
120.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.4	0.6	0.5	0.5	0.4	0.5	0.4	0.5	0.3
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.5	0.6	0.6	0.5	0.5	0.4	0.4	0.5	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.6	0.7	0.6	0.6	0.5	0.4	0.3	0.4	0.2
150.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.4	0.2
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.3	1.1	0.9	0.9	0.6	0.4	0.3	0.3	0.3	0.4	0.2
170.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.1	0.9	0.8	0.6	0.5	0.3	0.3	0.3	0.3	0.6	0.4
180.	0.7	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.8	0.7	0.7	0.5	0.4	0.3	0.3	0.2	1.2	0.9	1.7	1.8
190.	1.3	1.0	0.8	0.7	0.7	0.6	0.4	0.3	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.4	1.5	1.5	1.7
200.	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.4	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
210.	0.6	0.6	0.6	0.5	0.8	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.7	0.6
220.	0.4	0.3	0.3	0.3	0.8	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.5
230.	0.3	0.3	0.3	0.3	0.6	0.6	0.5	0.5	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.6
240.	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.6	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.7	0.5	0.8	0.6
250.	0.8	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.7	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.6
260.	0.9	0.7	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	1.5	1.1	1.6	0.6
270.	0.3	0.2	0.1	0.1	0.2	0.3	0.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.5	1.9	0.9
280.	0.1	0.1	0.1	0.1	0.5	0.4	0.5	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	1.0	1.5
290.	0.1	0.1	0.1	0.1	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.2	0.1	0.5	1.5
300.	0.1	0.1	0.1	0.1	0.8	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.3	0.1	0.4	1.5
310.	0.1	0.1	0.1	0.1	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.2	0.3	1.2
320.	0.2	0.1	0.1	0.1	0.8	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3	0.3	1.0
330.	0.3	0.2	0.1	0.1	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9
340.	0.3	0.1	0.0	0.0	0.7	0.6	0.6	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.9
350.	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.2	0.5	0.8
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.0	0.3	0.7
MAX	1.3	1.0	0.9	0.9	0.9	0.9	0.7	0.7	1.3	1.3	1.1	0.9	0.9	0.7	0.7	0.6	1.5	1.5	1.9	1.8
DEGR.	190	190	200	200	200	200	210	290	160	160	160	160	70	150	70	70	260	190	270	180

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.4	1.1	0.2	0.1	1.5	0.7	0.5
10.	*	0.5	0.4	1.2	0.5	0.3	1.8	0.9	0.8
20.	*	0.5	0.4	1.0	0.5	0.3	1.4	1.0	0.8
30.	*	0.5	0.4	0.8	0.4	0.3	1.1	0.8	0.7
40.	*	0.6	0.5	0.8	0.3	0.2	0.7	0.7	0.5
50.	*	0.6	0.5	0.7	0.3	0.2	0.7	0.6	0.4
60.	*	0.7	0.6	0.7	0.2	0.2	0.9	0.7	0.6
70.	*	1.0	0.7	0.7	0.2	0.2	1.0	0.9	0.9
80.	*	1.3	0.7	0.7	0.3	0.2	1.5	1.3	1.1
90.	*	0.8	0.2	1.0	0.5	0.2	1.8	1.0	0.6
100.	*	0.1	0.0	1.5	1.1	0.5	1.1	0.4	0.3
110.	*	0.0	0.0	1.5	1.3	0.9	0.7	0.4	0.5
120.	*	0.0	0.0	1.5	1.2	0.9	0.6	0.5	0.6
130.	*	0.0	0.0	1.4	1.3	1.0	0.6	0.8	0.6
140.	*	0.0	0.0	1.2	1.2	1.0	0.8	0.9	0.8
150.	*	0.0	0.0	1.4	1.3	1.2	1.3	1.0	0.9
160.	*	0.0	0.0	1.9	1.7	1.5	1.8	1.3	1.0
170.	*	0.0	0.0	2.6	2.0	1.5	2.2	1.3	0.9
180.	*	0.9	0.5	2.4	1.6	1.1	1.9	0.9	0.6
190.	*	1.6	1.2	0.8	0.6	0.5	0.5	0.0	0.0
200.	*	1.3	1.0	0.5	0.6	0.5	0.1	0.0	0.0
210.	*	0.7	0.9	0.5	0.6	0.6	0.1	0.0	0.0
220.	*	0.4	0.8	0.6	0.7	0.6	0.0	0.0	0.0
230.	*	0.3	0.6	0.7	0.8	0.7	0.0	0.0	0.0
240.	*	0.3	0.3	0.9	0.9	0.8	0.0	0.0	0.0
250.	*	0.2	0.2	1.1	1.2	0.9	0.0	0.0	0.0
260.	*	0.2	0.2	1.7	1.6	0.9	0.0	0.0	0.0
270.	*	0.5	0.2	2.0	1.0	0.3	0.2	0.1	0.0
280.	*	1.1	0.6	1.2	0.1	0.0	0.8	0.5	0.2
290.	*	1.3	0.9	0.6	0.0	0.0	0.8	0.7	0.6
300.	*	1.3	1.0	0.4	0.0	0.0	0.7	0.6	0.5
310.	*	1.2	1.0	0.2	0.0	0.0	0.6	0.5	0.5
320.	*	1.0	0.9	0.2	0.0	0.0	0.5	0.4	0.4
330.	*	0.8	0.7	0.3	0.0	0.0	0.5	0.5	0.4
340.	*	0.9	0.7	0.3	0.0	0.0	0.6	0.4	0.4
350.	*	0.8	0.7	0.4	0.0	0.0	0.8	0.4	0.4
360.	*	0.6	0.4	1.1	0.2	0.1	1.5	0.7	0.5
MAX	*	1.6	1.2	2.6	2.0	1.5	2.2	1.3	1.1
DEGR.	*	190	190	170	170	160	170	80	80

THE HIGHEST CONCENTRATION OF 2.60 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013South_station- Russell and I-15 SB Ramps- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:56:48

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C QUEUE	
		X1	Y1	X2	Y2								*	(VEH)
1. Link_5	*	-7.6	152.4	-7.6	-700.9	*	853.	180. AG	171.	100.0	0.0	7.3	1.91	142.2
2. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1365.	7.6	0.0	13.4		
3. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2234.	7.6	0.0	17.0		
4. Link_12	*	152.4	7.6	140.5	7.6	*	12.	270. AG	183.	100.0	0.0	18.3	0.52	2.0
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2072.	7.6	0.0	17.0		
6. Link_4	*	-152.4	-7.6	-125.4	-7.6	*	27.	90. AG	146.	100.0	0.0	14.6	0.86	4.5

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
1. Link_5	*	60	42	2.0	1072	1200	45.50	1	3
4. Link_12	*	60	18	2.0	1981	1200	45.50	1	3
6. Link_4	*	60	18	2.0	2618	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.0	0.0	0.1	0.5
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.2	0.1	0.0	0.9	0.7	0.5	0.4	0.0	0.0	0.0	0.4
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.6	0.5	0.3	0.2	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.5	0.4	0.4	0.3	0.9	0.7	0.6	0.6	0.0	0.0	0.0	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.7	0.7	0.5	0.5	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.8	0.7	0.7	0.7	0.0	0.0	0.0	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.5	0.3	0.3	0.3	0.3	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.8
70.	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.2	0.3	0.3	0.3	0.2	1.1	1.1	1.0	0.9	0.0	0.0	0.0	1.0
80.	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.3	0.3	0.3	0.2	1.2	1.0	0.8	0.7	0.0	0.0	0.0	1.6
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.7	0.6	0.5	0.4	0.0	0.0	0.3	1.7
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.5	0.5	0.5	0.4	0.4	0.3	0.7	1.0
110.	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.7	0.5
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.8	0.8	0.8	0.6	0.5	0.5	0.5	0.4	0.4	0.5	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.4	0.3	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.1	0.9	0.9	0.9	0.8	0.7	0.7	0.6	0.4	0.3	0.5	0.2
160.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.4	1.1	1.1	1.0	1.0	0.8	0.7	0.5	0.4	0.3	0.4	0.2
170.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.5	1.3	1.1	1.0	1.1	0.8	0.6	0.6	0.4	0.3	0.4	0.2
180.	0.6	0.5	0.5	0.3	0.2	0.2	0.1	0.1	1.0	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.9	0.6	1.1	0.9
190.	1.0	1.0	0.9	0.7	0.6	0.6	0.5	0.5	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.5	1.2	1.7	1.5
200.	1.1	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.4	1.1	1.4	1.2
210.	0.9	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
220.	0.6	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.9
230.	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.7	0.5	0.7	1.0
240.	0.7	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.7	0.8	1.0
250.	0.9	0.7	0.7	0.7	0.5	0.4	0.3	0.3	0.7	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.1
260.	1.0	0.7	0.5	0.4	0.5	0.4	0.4	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.2	1.5	1.0
270.	0.4	0.3	0.2	0.2	0.5	0.4	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.6	1.7	1.3
280.	0.3	0.2	0.2	0.2	0.8	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.4	0.3	1.0	1.7
290.	0.3	0.2	0.2	0.2	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.3	0.3	0.6	1.7
300.	0.3	0.2	0.2	0.2	1.1	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.4	1.5
310.	0.3	0.3	0.3	0.3	1.0	1.0	0.9	0.9	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.3	0.4	1.4
320.	0.3	0.3	0.3	0.3	0.9	0.9	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.4	0.4	1.2
330.	0.4	0.3	0.3	0.2	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.4	0.5	1.1
340.	0.3	0.2	0.1	0.0	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.5	0.4	0.6	1.1
350.	0.1	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.2	0.6	1.0
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.0	0.0	0.1	0.5
MAX	1.1	1.0	0.9	0.8	1.1	1.0	0.9	0.9	1.5	1.3	1.1	1.0	1.2	1.1	1.0	0.9	1.5	1.2	1.7	1.7
DEGR.	200	190	190	200	300	300	310	310	170	170	160	160	80	70	70	60	190	190	190	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.6	0.4	2.3	0.5	0.2	2.9	0.9	0.5
10.	*		0.5	0.4	2.3	1.1	0.7	2.8	1.5	1.1
20.	*		0.5	0.4	1.6	0.9	0.7	2.0	1.4	1.0
30.	*		0.5	0.5	1.2	0.7	0.6	1.6	1.3	1.0
40.	*		0.6	0.5	1.1	0.6	0.5	1.4	1.1	0.9
50.	*		0.7	0.6	1.0	0.5	0.4	1.2	1.0	0.9
60.	*		0.8	0.7	1.0	0.5	0.4	1.3	1.1	1.1
70.	*		1.1	0.8	0.9	0.5	0.4	1.4	1.4	1.4
80.	*		1.5	0.8	1.0	0.5	0.4	2.0	1.9	1.6
90.	*		0.9	0.2	1.2	0.8	0.4	2.3	1.6	1.0
100.	*		0.1	0.0	1.7	1.3	0.8	1.5	0.9	0.7
110.	*		0.0	0.0	1.7	1.5	1.0	1.1	0.8	0.7
120.	*		0.0	0.0	1.8	1.4	1.1	1.0	0.8	0.7
130.	*		0.0	0.0	1.7	1.4	1.2	1.0	0.9	0.7
140.	*		0.0	0.0	1.7	1.4	1.3	1.3	1.0	0.8
150.	*		0.0	0.0	1.8	1.5	1.3	1.5	1.2	1.0
160.	*		0.0	0.0	2.2	1.8	1.5	2.1	1.5	1.2
170.	*		0.0	0.0	3.3	2.5	1.9	3.2	2.1	1.5
180.	*		0.4	0.3	4.1	2.0	1.3	4.0	1.5	0.8
190.	*		1.0	0.8	1.4	0.6	0.4	1.3	0.1	0.0
200.	*		0.9	0.8	0.7	0.5	0.4	0.5	0.0	0.0
210.	*		0.7	0.7	0.5	0.5	0.4	0.3	0.0	0.0
220.	*		0.7	0.6	0.6	0.6	0.5	0.2	0.0	0.0
230.	*		0.6	0.5	0.7	0.6	0.5	0.2	0.0	0.0
240.	*		0.5	0.5	0.8	0.7	0.6	0.2	0.0	0.0
250.	*		0.5	0.5	0.9	1.0	0.8	0.1	0.0	0.0
260.	*		0.5	0.5	1.5	1.4	0.8	0.1	0.0	0.0
270.	*		0.9	0.6	1.6	0.8	0.2	0.3	0.1	0.1
280.	*		1.4	0.9	0.9	0.1	0.0	0.7	0.5	0.3
290.	*		1.5	1.1	0.5	0.0	0.0	0.8	0.5	0.4
300.	*		1.5	1.2	0.4	0.0	0.0	0.7	0.5	0.4
310.	*		1.4	1.1	0.3	0.0	0.0	0.7	0.4	0.4
320.	*		1.2	1.1	0.3	0.0	0.0	0.6	0.4	0.3
330.	*		1.0	1.0	0.3	0.0	0.0	0.7	0.4	0.3
340.	*		1.0	0.9	0.4	0.0	0.0	0.8	0.4	0.3
350.	*		0.9	0.7	0.8	0.0	0.0	1.4	0.3	0.3
360.	*		0.6	0.4	2.3	0.5	0.2	2.9	0.9	0.5
MAX	*		1.5	1.2	4.1	2.5	1.9	4.0	2.1	1.6
DEGR.	*		80	300	180	170	170	180	170	80

THE HIGHEST CONCENTRATION OF 4.10 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2013South_station - Russell and I-15 SB Ramps- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:57:10

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C QUEUE	
		X1	Y1	X2	Y2								(VEH)	(VEH)
1. Link_5	*	-7.6	152.4	-7.6	-726.2	*	879.	180. AG	171.	100.0	0.0	7.3	1.94	146.4
2. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1410.	7.6	0.0	13.4		
3. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2340.	7.6	0.0	17.0		
4. Link_12	*	152.4	7.6	139.9	7.6	*	12.	270. AG	183.	100.0	0.0	18.3	0.55	2.1
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2172.	7.6	0.0	17.0		
6. Link_4	*	-152.4	-7.6	-118.4	-7.6	*	34.	90. AG	146.	100.0	0.0	14.6	0.91	5.7

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
1. Link_5	*	60	42	2.0	1089	1200	45.50	1	3
4. Link_12	*	60	18	2.0	2081	1200	45.50	1	3
6. Link_4	*	60	18	2.0	2752	1200	45.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.1	0.5
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.2	0.1	0.0	0.9	0.7	0.6	0.4	0.0	0.0	0.0	0.5
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.6	0.5	0.3	0.2	0.9	0.8	0.8	0.6	0.0	0.0	0.0	0.5
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.5	0.4	0.4	0.3	0.9	0.8	0.6	0.6	0.0	0.0	0.0	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.8	0.7	0.7	0.7	0.0	0.0	0.0	0.7
60.	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.3	0.3	0.3	0.3	1.0	0.9	0.9	0.9	0.0	0.0	0.0	0.8
70.	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.2	0.3	0.3	0.3	0.2	1.1	1.1	1.0	0.9	0.0	0.0	0.0	1.0
80.	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.3	0.3	0.3	0.2	1.2	1.0	0.9	0.7	0.0	0.0	0.0	1.6
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.7	0.6	0.5	0.4	0.1	0.0	0.3	1.8
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.5	0.5	0.5	0.4	0.4	0.3	0.7	1.1
110.	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.4	0.6	0.5	0.7	0.5
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.8	0.6	0.5	0.5	0.5	0.5	0.4	0.5	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.8	0.7	0.7	0.5	0.5	0.4	0.4	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.4	0.4	0.5	0.3
160.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.4	1.1	1.1	1.0	1.0	0.8	0.7	0.5	0.4	0.4	0.4	0.2
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.3	1.1	1.1	1.1	0.8	0.7	0.6	0.4	0.3	0.4	0.2
180.	0.6	0.5	0.5	0.4	0.3	0.2	0.2	0.1	1.0	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.9	0.7	1.1	0.9
190.	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.5	1.2	1.7	1.5
200.	1.1	1.0	0.9	0.9	0.7	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.4	1.2	1.4	1.2
210.	1.0	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.0	1.0	1.1	1.1
220.	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.7	0.8	0.9
230.	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.7	0.6	0.7	1.0
240.	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.5	0.6	0.5	0.6	0.0	0.0	0.0	0.0	0.7	0.7	0.8	1.0
250.	0.9	0.8	0.8	0.7	0.5	0.4	0.4	0.3	0.8	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.1
260.	1.0	0.8	0.6	0.4	0.5	0.4	0.4	0.3	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.5	1.3	1.6	1.0
270.	0.4	0.3	0.2	0.2	0.5	0.4	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.6	1.9	1.3
280.	0.3	0.2	0.2	0.2	0.8	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.4	0.3	1.0	1.7
290.	0.3	0.2	0.2	0.2	1.0	0.8	0.8	0.6	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.2	0.3	0.3	0.6	1.8
300.	0.3	0.2	0.2	0.2	1.1	1.0	0.9	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.3	0.3	0.4	1.7
310.	0.3	0.3	0.3	0.3	1.0	1.0	0.9	0.9	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.3	0.4	1.4
320.	0.3	0.3	0.3	0.3	0.9	0.9	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.4	0.4	1.2
330.	0.4	0.3	0.3	0.2	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.4	0.5	1.2
340.	0.3	0.2	0.1	0.0	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.5	0.4	0.6	1.1
350.	0.1	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.2	0.6	1.0
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.1	0.5
MAX	1.1	1.0	0.9	0.9	1.1	1.0	0.9	0.9	1.6	1.3	1.1	1.1	1.2	1.1	1.0	0.9	1.5	1.3	1.9	1.8
DEGR.	190	190	190	200	300	300	310	310	170	170	160	170	80	70	70	60	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.7	0.5	2.3	0.5	0.2	2.9	0.9	0.5
10.	*		0.5	0.4	2.3	1.1	0.7	2.8	1.5	1.1
20.	*		0.5	0.5	1.6	0.9	0.7	2.1	1.4	1.0
30.	*		0.6	0.5	1.2	0.7	0.6	1.6	1.3	1.1
40.	*		0.6	0.5	1.1	0.6	0.5	1.4	1.1	0.9
50.	*		0.7	0.6	1.0	0.5	0.4	1.2	1.0	0.9
60.	*		0.8	0.7	1.0	0.5	0.4	1.3	1.1	1.1
70.	*		1.1	0.8	1.0	0.5	0.4	1.5	1.5	1.4
80.	*		1.6	0.9	1.0	0.5	0.4	2.1	2.0	1.6
90.	*		0.9	0.2	1.2	0.8	0.4	2.4	1.6	1.1
100.	*		0.1	0.0	1.8	1.3	0.8	1.6	0.9	0.7
110.	*		0.0	0.0	1.8	1.5	1.1	1.1	0.8	0.7
120.	*		0.0	0.0	1.8	1.5	1.2	1.0	0.8	0.7
130.	*		0.0	0.0	1.7	1.4	1.2	1.1	0.9	0.7
140.	*		0.0	0.0	1.9	1.6	1.3	1.3	1.0	0.8
150.	*		0.0	0.0	1.8	1.5	1.4	1.6	1.2	1.0
160.	*		0.0	0.0	2.2	1.8	1.5	2.1	1.6	1.2
170.	*		0.0	0.0	3.4	2.5	1.9	3.2	2.1	1.5
180.	*		0.5	0.3	4.2	2.0	1.3	4.0	1.5	0.8
190.	*		1.0	0.8	1.5	0.6	0.4	1.3	0.1	0.0
200.	*		1.0	0.8	0.7	0.5	0.4	0.5	0.0	0.0
210.	*		0.7	0.7	0.6	0.5	0.5	0.3	0.0	0.0
220.	*		0.7	0.6	0.6	0.6	0.5	0.2	0.0	0.0
230.	*		0.6	0.5	0.7	0.7	0.6	0.2	0.0	0.0
240.	*		0.5	0.5	0.8	0.8	0.6	0.2	0.0	0.0
250.	*		0.5	0.5	0.9	1.1	0.9	0.1	0.0	0.0
260.	*		0.5	0.5	1.5	1.5	0.9	0.1	0.0	0.0
270.	*		0.9	0.6	1.8	0.8	0.2	0.4	0.1	0.1
280.	*		1.5	1.0	1.0	0.1	0.0	0.8	0.5	0.3
290.	*		1.5	1.1	0.5	0.0	0.0	0.8	0.6	0.5
300.	*		1.5	1.2	0.4	0.0	0.0	0.8	0.5	0.4
310.	*		1.5	1.3	0.3	0.0	0.0	0.7	0.4	0.4
320.	*		1.2	1.1	0.3	0.0	0.0	0.7	0.4	0.3
330.	*		1.1	1.0	0.3	0.0	0.0	0.7	0.4	0.3
340.	*		1.0	1.0	0.4	0.0	0.0	0.8	0.4	0.3
350.	*		0.9	0.7	0.8	0.0	0.0	1.3	0.3	0.3
360.	*		0.7	0.5	2.3	0.5	0.2	2.9	0.9	0.5
MAX	*		1.6	1.3	4.2	2.5	1.9	4.0	2.1	1.6
DEGR.	*		80	310	180	170	170	180	170	80

THE HIGHEST CONCENTRATION OF 4.20 PPM OCCURRED AT RECEPTOR REC23.

South Station Alternative- No Project Output-2030

JOB: 2030South_station- W. Tropicana and S. Valley View- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 22:49:51

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_5	* -7.6	152.4	-7.6	-1028.6	* 1181.	180. AG	133.	100.0	0.0	11.0	1.64	196.8
2. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	952.	6.1	0.0	13.4		
3. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2923.	6.1	0.0	17.0		
4. Link_12	* 152.4	7.6	121.6	7.6	* 31.	270. AG	254.	100.0	0.0	18.3	0.87	5.1
5. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2761.	6.1	0.0	17.0		
6. Link_4	* -152.4	-7.6	-138.6	-7.6	* 14.	90. AG	254.	100.0	0.0	18.3	0.54	2.3
7. Link_6	* 7.6	0.0	7.6	152.4	* 152.	360. AG	604.	6.1	0.0	13.4		
8. Link_8	* 7.6	-152.4	7.6	-142.7	* 10.	360. AG	222.	100.0	0.0	18.3	0.37	1.6

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
1. Link_5	* 60	28	2.0	2761	1200	35.50	1	3
4. Link_12	* 60	32	2.0	2089	1200	35.50	1	3
6. Link_4	* 60	32	2.0	1296	1200	35.50	1	3
8. Link_8	* 60	28	2.0	1040	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.0	0.5	0.8
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.0	0.9	0.6	0.6	0.4	0.0	0.0	0.2	0.6
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.6	0.5	0.3	0.2	0.9	0.8	0.8	0.6	0.0	0.0	0.1	0.5
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.5	0.5	0.4	0.3	0.8	0.8	0.7	0.6	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.3	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.7
60.	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.4	0.4	0.3	0.3	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.8
70.	0.0	0.0	0.0	0.0	0.9	0.8	0.5	0.3	0.4	0.4	0.3	0.2	1.1	1.1	0.9	0.9	0.0	0.0	0.0	1.0
80.	0.0	0.0	0.0	0.0	0.6	0.4	0.1	0.0	0.4	0.4	0.3	0.3	1.2	1.0	0.8	0.7	0.0	0.0	0.0	1.7
90.	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.6	0.4	0.3	0.3	0.3	0.1	0.4	1.9
100.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.5	0.4	0.4	0.3	0.3	0.6	0.4	0.8	1.1
110.	0.5	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.7	0.4	0.4	0.3	0.3	0.6	0.5	0.7	0.5
120.	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.7	0.4	0.4	0.3	0.3	0.5	0.5	0.6	0.3
130.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.8	0.7	0.4	0.4	0.4	0.3	0.5	0.4	0.5	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.8	0.6	0.4	0.4	0.4	0.4	0.4	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.7	0.7	0.6	0.6	0.4	0.5	0.4	0.4	0.6	0.3
160.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.5	0.2
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.1	1.0	0.9	0.8	0.7	0.5	0.5	0.4	0.3	0.5	0.2
180.	0.6	0.5	0.5	0.5	0.3	0.3	0.2	0.2	0.9	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.9	0.7	1.2	0.9
190.	0.9	0.9	0.7	0.7	0.6	0.6	0.4	0.4	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.0	1.5	1.2
200.	0.9	0.8	0.7	0.7	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.2	1.0	1.2	0.9
210.	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.8
220.	0.7	0.7	0.5	0.5	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.8	0.8
230.	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.7	0.6	0.7
240.	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.8
250.	0.9	0.9	0.8	0.7	0.3	0.3	0.3	0.3	0.7	0.6	0.5	0.2	0.0	0.0	0.0	0.0	1.0	1.0	0.9	0.8
260.	1.0	0.9	0.6	0.6	0.3	0.3	0.3	0.3	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.6	1.3	1.6	0.8
270.	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.6	1.8	1.1
280.	0.3	0.3	0.3	0.3	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.5	0.3	1.0	1.5
290.	0.3	0.3	0.3	0.3	0.8	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.4	0.3	0.6	1.6
300.	0.3	0.3	0.3	0.3	0.9	0.8	0.8	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.4	1.6
310.	0.4	0.3	0.3	0.3	0.9	0.9	0.8	0.8	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.4	0.4	1.3
320.	0.4	0.4	0.3	0.3	0.9	0.9	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.4	0.5	1.2
330.	0.4	0.4	0.3	0.3	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6	0.4	0.6	1.2
340.	0.4	0.3	0.2	0.0	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.6	0.6	0.7	1.1
350.	0.2	0.0	0.0	0.0	0.7	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.6	0.3	0.9	1.2
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.0	0.5	0.8
MAX	1.0	0.9	0.8	0.7	0.9	0.9	0.8	0.8	1.3	1.1	1.0	0.9	1.2	1.1	0.9	0.9	1.6	1.3	1.8	1.9
DEGR.	260	190	250	190	310	310	300	310	170	170	170	160	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.9	0.6	1.8	0.4	0.1	2.3	0.9	0.5	
10.	*	0.5	0.4	1.7	1.0	0.6	2.2	1.5	1.1	
20.	*	0.5	0.5	1.2	0.9	0.7	1.7	1.4	1.0	
30.	*	0.6	0.5	1.0	0.7	0.6	1.2	1.2	1.0	
40.	*	0.6	0.5	0.9	0.6	0.5	1.0	0.9	0.7	
50.	*	0.7	0.6	0.9	0.6	0.5	1.0	0.9	0.8	
60.	*	0.8	0.7	0.8	0.5	0.5	0.9	0.9	1.0	
70.	*	1.2	1.0	0.9	0.5	0.4	1.2	1.3	1.1	
80.	*	1.7	1.0	0.9	0.5	0.4	2.0	2.0	1.5	
90.	*	0.9	0.2	1.3	0.9	0.5	2.2	1.5	0.8	
100.	*	0.1	0.0	1.8	1.5	0.9	1.3	0.7	0.4	
110.	*	0.0	0.0	1.7	1.5	1.1	0.8	0.6	0.4	
120.	*	0.0	0.0	1.5	1.5	1.3	0.6	0.6	0.6	
130.	*	0.0	0.0	1.5	1.4	1.2	0.7	0.7	0.6	
140.	*	0.0	0.0	1.5	1.4	1.2	0.8	0.7	0.6	
150.	*	0.0	0.0	1.4	1.3	1.2	1.0	0.9	0.7	
160.	*	0.0	0.0	1.6	1.5	1.2	1.3	1.2	0.9	
170.	*	0.0	0.0	2.3	2.0	1.5	2.1	1.6	1.1	
180.	*	0.5	0.4	3.2	1.8	1.2	3.0	1.2	0.8	
190.	*	0.8	0.8	1.4	0.6	0.4	1.1	0.1	0.0	
200.	*	0.7	0.6	0.7	0.5	0.4	0.5	0.0	0.0	
210.	*	0.6	0.5	0.7	0.5	0.5	0.3	0.0	0.0	
220.	*	0.5	0.4	0.6	0.6	0.5	0.2	0.0	0.0	
230.	*	0.4	0.4	0.7	0.7	0.6	0.2	0.0	0.0	
240.	*	0.4	0.3	0.9	0.8	0.7	0.2	0.0	0.0	
250.	*	0.4	0.3	1.1	1.1	0.9	0.2	0.0	0.0	
260.	*	0.4	0.3	1.6	1.5	0.9	0.2	0.0	0.0	
270.	*	0.8	0.3	1.8	0.8	0.2	0.5	0.1	0.1	
280.	*	1.3	0.7	1.1	0.1	0.0	0.9	0.5	0.3	
290.	*	1.4	0.9	0.6	0.0	0.0	0.8	0.6	0.5	
300.	*	1.4	1.0	0.4	0.0	0.0	0.7	0.5	0.5	
310.	*	1.3	1.2	0.3	0.0	0.0	0.7	0.4	0.4	
320.	*	1.1	1.0	0.3	0.0	0.0	0.7	0.4	0.3	
330.	*	1.2	1.0	0.4	0.0	0.0	0.8	0.4	0.3	
340.	*	1.0	1.0	0.5	0.0	0.0	0.8	0.4	0.3	
350.	*	1.2	0.9	1.0	0.0	0.0	1.4	0.3	0.3	
360.	*	0.9	0.6	1.8	0.4	0.1	2.3	0.9	0.5	
MAX	*	1.7	1.2	3.2	2.0	1.5	3.0	2.0	1.5	
DEGR.	*	80	310	180	170	170	180	80	80	

THE HIGHEST CONCENTRATION OF 3.20 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station- W. Tropicana and Dean Martin Dr- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 22:51:18

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-128.6	* 24.	360. AG	279.	100.0	0.0	14.6	0.88	4.0
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	809.	6.1	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	138.9	* 14.	180. AG	349.	100.0	0.0	18.3	0.69	2.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	849.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2101.	6.1	0.0	17.0		
6. Link_12	* 152.4	7.6	139.0	7.6	* 13.	270. AG	127.	100.0	0.0	18.3	0.63	2.2
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2551.	6.1	0.0	17.0		
8. Link_4	* -152.4	-7.6	-138.3	-7.6	* 14.	90. AG	102.	100.0	0.0	14.6	0.66	2.4

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
1. Link_2	* 60	44	2.0	841	1200	35.50	1	3
3. Link_5	* 60	44	2.0	831	1200	35.50	1	3
6. Link_12	* 60	16	2.0	2521	1200	35.50	1	3
8. Link_4	* 60	16	2.0	2117	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.1	0.6	0.8
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.5	0.5	0.3	0.3	0.0	0.0	0.3	0.5
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.2	0.1	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.2	0.4
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.4
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.1	0.4
50.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.5
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.6
70.	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.1	0.7
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.6	0.5	0.4	0.3	0.0	0.0	0.1	1.1
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.2	1.3
100.	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.6	0.8
110.	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.6	0.4
120.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.5	0.2
130.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.3	0.3	0.5	0.1
140.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.5	0.1	0.1	0.1	0.2	0.3	0.3	0.5	0.1
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.2
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.2	0.3	0.3	0.4	0.2
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.2	0.1	0.0	0.0	0.3	0.2	0.4	0.2
180.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.4
190.	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.4	0.6	0.4
200.	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.3
210.	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.3
220.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.4
230.	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3
240.	0.5	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.5	0.4	0.5	0.3
250.	0.7	0.6	0.6	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.4
260.	0.7	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.1	0.9	1.1	0.4
270.	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.4	1.4	0.6
280.	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.7	1.1
290.	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.1	0.1	0.3	1.1
300.	0.1	0.1	0.1	0.1	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.1	0.1	1.0
310.	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.8
320.	0.1	0.1	0.1	0.1	0.6	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.7
330.	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.6
340.	0.3	0.2	0.2	0.2	0.5	0.5	0.3	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.6
350.	0.2	0.1	0.0	0.0	0.6	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.5	0.3	0.5	0.7
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.1	0.6	0.8
MAX	0.7	0.6	0.6	0.5	0.6	0.6	0.5	0.4	0.6	0.6	0.5	0.5	0.6	0.5	0.5	0.4	1.1	0.9	1.4	1.3
DEGR.	250	250	250	250	300	300	310	60	160	160	120	140	70	10	70	60	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.6	0.4	0.3	0.1	0.1	0.7	0.4	0.4
10.	*		0.4	0.3	0.4	0.2	0.2	0.8	0.5	0.5
20.	*		0.4	0.3	0.4	0.2	0.1	0.7	0.6	0.5
30.	*		0.4	0.4	0.4	0.1	0.1	0.6	0.6	0.5
40.	*		0.5	0.4	0.3	0.1	0.1	0.4	0.4	0.3
50.	*		0.5	0.4	0.4	0.1	0.1	0.4	0.4	0.4
60.	*		0.6	0.5	0.4	0.1	0.1	0.5	0.4	0.4
70.	*		0.8	0.6	0.4	0.1	0.1	0.5	0.7	0.6
80.	*		1.1	0.6	0.4	0.1	0.1	0.9	1.0	0.8
90.	*		0.6	0.2	0.6	0.4	0.1	1.2	0.8	0.4
100.	*		0.1	0.0	1.1	0.8	0.4	0.6	0.3	0.1
110.	*		0.0	0.0	1.0	1.0	0.6	0.3	0.2	0.1
120.	*		0.0	0.0	1.0	0.9	0.7	0.2	0.2	0.1
130.	*		0.0	0.0	0.8	0.8	0.7	0.2	0.2	0.1
140.	*		0.0	0.0	0.7	0.7	0.7	0.2	0.2	0.2
150.	*		0.0	0.0	0.7	0.7	0.6	0.3	0.2	0.2
160.	*		0.0	0.0	0.6	0.7	0.6	0.3	0.4	0.3
170.	*		0.0	0.0	0.9	1.0	0.8	0.7	0.6	0.3
180.	*		0.1	0.1	1.0	0.7	0.5	0.7	0.2	0.1
190.	*		0.2	0.3	0.6	0.5	0.4	0.3	0.0	0.0
200.	*		0.2	0.1	0.4	0.5	0.4	0.1	0.0	0.0
210.	*		0.2	0.1	0.4	0.5	0.4	0.1	0.0	0.0
220.	*		0.1	0.1	0.5	0.6	0.5	0.0	0.0	0.0
230.	*		0.1	0.1	0.6	0.6	0.5	0.1	0.0	0.0
240.	*		0.1	0.1	0.7	0.7	0.6	0.1	0.0	0.0
250.	*		0.1	0.1	0.9	1.0	0.7	0.0	0.0	0.0
260.	*		0.1	0.1	1.3	1.3	0.7	0.1	0.0	0.0
270.	*		0.3	0.1	1.6	0.8	0.2	0.2	0.0	0.0
280.	*		0.9	0.4	0.9	0.1	0.0	0.6	0.4	0.2
290.	*		1.0	0.7	0.5	0.0	0.0	0.6	0.5	0.4
300.	*		1.0	0.7	0.3	0.0	0.0	0.5	0.5	0.4
310.	*		0.8	0.6	0.2	0.0	0.0	0.6	0.4	0.4
320.	*		0.6	0.6	0.2	0.0	0.0	0.5	0.4	0.3
330.	*		0.6	0.6	0.2	0.0	0.0	0.5	0.4	0.3
340.	*		0.6	0.5	0.2	0.0	0.0	0.5	0.3	0.3
350.	*		0.8	0.7	0.2	0.0	0.0	0.5	0.3	0.3
360.	*		0.6	0.4	0.3	0.1	0.1	0.7	0.4	0.4
MAX	*		1.1	0.7	1.6	1.3	0.8	1.2	1.0	0.8
DEGR.	*		80	300	270	260	170	90	80	80

THE HIGHEST CONCENTRATION OF 1.60 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station W. Tropicana and I-15 NB Ramps- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 22:55:58

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
1. Link_5	*	-7.6	0.0	-7.6	152.4	*	152.	360. AG	2267.	6.1	0.0	13.4		
2. Link_7	*	-7.6	-152.4	-7.6	1509.7	*	1662.	360. AG	200.	100.0	0.0	11.0	2.83 277.0	
3. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	1787.	6.1	0.0	17.0		
4. Link_12	*	152.4	7.6	136.0	7.6	*	16.	270. AG	200.	100.0	0.0	22.6	0.72 2.7	
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	4043.	6.1	0.0	24.3		
6. Link_4	*	-152.4	-7.6	-138.2	-7.6	*	14.	90. AG	114.	100.0	0.0	18.3	0.62 2.4	

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
2. Link_7	*	60	42	2.0	2378	1200	35.50	1	3
4. Link_12	*	60	18	2.0	3826	1200	35.50	1	3
6. Link_4	*	60	18	2.0	1893	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.5	0.5	0.4	0.3	0.8	0.7	0.6	0.6	0.9	0.7	0.6	0.5	1.4	1.2	1.0	0.9	0.8	0.7	1.1	1.4
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.4	1.1	0.9	0.8	2.0	1.7	1.5	1.4	0.0	0.0	0.0	0.3
20.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.2	1.1	0.9	0.7	1.7	1.5	1.4	1.3	0.0	0.0	0.0	0.3
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.0	0.9	0.8	0.7	1.3	1.2	1.2	1.1	0.0	0.0	0.0	0.3
40.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.9	0.8	0.7	0.7	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.3
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.0	0.0	0.0	0.4
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.3	0.7	0.7	0.6	0.5	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.5
70.	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.1	0.7	0.7	0.5	0.5	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.6
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.7	0.7	0.5	0.5	0.9	0.7	0.5	0.5	0.0	0.0	0.0	1.0
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.5	0.5	0.4	0.3	0.3	0.1	0.1	0.2	1.1
100.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.9	0.7	0.6	0.4	0.4	0.3	0.3	0.4	0.2	0.4	0.6
110.	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	1.1	1.0	0.8	0.7	0.4	0.4	0.3	0.3	0.4	0.3	0.5	0.3
120.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.1	0.9	0.8	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.2
130.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.5	1.3	1.2	1.2	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.1
140.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.5	1.4	1.2	1.0	0.5	0.5	0.4	0.4	0.2	0.2	0.3	0.1
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.2	1.0	0.9	0.6	0.5	0.5	0.4	0.3	0.2	0.3	0.2
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.1	1.1	1.0	0.7	0.6	0.4	0.2	0.2	0.2	0.3	0.1
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.0	0.9	0.7	0.5	0.2	0.1	0.0	0.2	0.2	0.3	0.1
180.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.4	0.1	0.0	0.0	0.0	0.3	0.2	0.5	0.2
190.	0.5	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.8	0.6	1.1	0.8
200.	0.7	0.7	0.6	0.6	0.4	0.3	0.1	0.0	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.9	0.8	1.0	0.9
210.	0.7	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.8	0.7	0.9	0.8
220.	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.6	0.8	0.7
230.	0.8	0.7	0.7	0.7	0.4	0.4	0.3	0.3	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.9	0.7	0.9	0.7
240.	1.1	1.0	1.0	1.0	0.4	0.3	0.3	0.3	0.8	0.7	0.6	0.7	0.0	0.0	0.0	0.0	1.1	1.1	1.2	0.7
250.	1.4	1.3	1.2	1.2	0.3	0.3	0.3	0.3	0.9	0.7	0.6	0.3	0.0	0.0	0.0	0.0	1.5	1.6	1.6	0.7
260.	1.5	1.2	1.0	0.9	0.3	0.3	0.3	0.3	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0	2.1	2.0	2.1	0.6
270.	0.8	0.6	0.6	0.5	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.3	2.4	1.1
280.	0.5	0.5	0.5	0.5	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	1.0	0.7	1.7	1.9
290.	0.5	0.5	0.5	0.5	1.0	1.0	0.8	0.8	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.2	0.7	0.7	1.3	1.9
300.	0.6	0.5	0.5	0.5	1.1	1.0	0.8	0.8	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.7	0.7	1.1	1.8
310.	0.7	0.6	0.5	0.5	1.3	1.2	0.9	0.9	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.8	0.7	1.0	1.7
320.	0.7	0.7	0.7	0.5	1.3	1.1	1.0	0.9	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.9	0.7	1.0	1.8
330.	0.8	0.7	0.6	0.6	1.2	1.1	0.9	0.9	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	1.0	0.9	1.2	1.8
340.	0.9	0.7	0.6	0.5	1.2	1.1	1.0	1.0	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	1.2	1.0	1.4	1.8
350.	0.9	0.7	0.7	0.6	1.2	1.2	1.0	0.9	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	1.3	1.1	1.7	2.1
360.	0.5	0.5	0.4	0.3	0.8	0.7	0.6	0.6	0.9	0.7	0.6	0.5	1.4	1.2	1.0	0.9	0.8	0.7	1.1	1.4
MAX	1.5	1.3	1.2	1.2	1.3	1.2	1.0	1.0	1.5	1.4	1.2	1.2	2.0	1.7	1.5	1.4	2.1	2.0	2.4	2.1
DEGR.	260	250	250	250	310	310	320	340	130	140	130	130	10	10	10	10	260	260	270	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.2	1.0	5.5	2.3	1.4	5.3	2.8	1.9	
10.	*	0.3	0.3	3.9	2.7	1.9	3.9	3.1	2.5	
20.	*	0.3	0.3	2.6	2.0	1.5	2.3	2.2	1.9	
30.	*	0.3	0.3	2.2	1.7	1.2	1.6	1.6	1.4	
40.	*	0.4	0.3	1.7	1.5	1.0	1.1	1.1	0.9	
50.	*	0.4	0.4	1.7	1.3	0.9	0.9	0.9	0.7	
60.	*	0.5	0.4	1.5	1.1	0.9	1.0	0.8	0.7	
70.	*	0.7	0.6	1.4	1.2	0.9	0.9	1.0	0.9	
80.	*	1.0	0.6	1.4	1.4	0.8	1.4	1.4	1.2	
90.	*	0.5	0.1	1.6	1.8	0.8	1.5	1.1	0.7	
100.	*	0.1	0.0	1.9	1.9	1.2	1.0	0.7	0.5	
110.	*	0.0	0.0	2.0	2.0	1.6	0.7	0.6	0.5	
120.	*	0.0	0.0	2.1	2.0	1.7	0.7	0.6	0.5	
130.	*	0.0	0.0	2.0	2.2	1.7	0.7	0.7	0.5	
140.	*	0.0	0.0	2.1	2.3	1.7	0.8	0.8	0.6	
150.	*	0.0	0.0	2.2	2.1	1.6	1.1	0.9	0.7	
160.	*	0.0	0.0	2.3	2.1	1.6	1.4	1.1	0.9	
170.	*	0.0	0.0	3.1	2.3	1.6	2.1	1.4	0.8	
180.	*	0.0	0.0	3.4	1.5	1.0	2.4	0.7	0.2	
190.	*	0.4	0.2	2.2	0.8	0.6	1.1	0.0	0.0	
200.	*	0.7	0.5	1.4	0.7	0.6	0.5	0.0	0.0	
210.	*	0.6	0.5	1.1	0.8	0.7	0.2	0.0	0.0	
220.	*	0.5	0.4	1.1	0.8	0.7	0.2	0.0	0.0	
230.	*	0.5	0.4	1.1	0.9	0.8	0.2	0.0	0.0	
240.	*	0.4	0.4	1.1	1.1	1.0	0.1	0.0	0.0	
250.	*	0.4	0.4	1.4	1.4	1.3	0.1	0.0	0.0	
260.	*	0.4	0.4	1.9	1.9	1.3	0.1	0.0	0.0	
270.	*	0.7	0.5	2.3	1.7	0.5	0.5	0.1	0.0	
280.	*	1.4	1.0	1.5	0.7	0.0	1.2	0.6	0.3	
290.	*	1.6	1.3	1.0	0.3	0.0	1.2	0.9	0.7	
300.	*	1.5	1.4	0.7	0.2	0.0	1.0	0.8	0.7	
310.	*	1.6	1.4	0.7	0.1	0.0	1.0	0.7	0.6	
320.	*	1.6	1.3	0.6	0.1	0.0	0.9	0.6	0.5	
330.	*	1.5	1.3	0.7	0.1	0.0	0.8	0.6	0.5	
340.	*	1.5	1.3	1.3	0.1	0.0	1.2	0.5	0.5	
350.	*	1.7	1.5	2.5	0.2	0.0	2.4	0.6	0.5	
360.	*	1.2	1.0	5.5	2.3	1.4	5.3	2.8	1.9	
MAX	*	1.7	1.5	5.5	2.7	1.9	5.3	3.1	2.5	
DEGR.	*	350	350	0	10	10	0	10	10	

THE HIGHEST CONCENTRATION OF 5.50 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station- Circulation/ Aldebaran and W. Hacienda- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 22:56:17

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	226.6	* 379.	360. AG	86.	100.0	0.0	3.7	3.75	63.2
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	154.	6.1	0.0	9.7		
3. Link_5	* -7.6	152.4	-7.6	151.1	* 1.	180. AG	86.	100.0	0.0	3.7	0.35	0.2
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	12.	6.1	0.0	9.7		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	608.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	147.0	7.6	* 5.	270. AG	29.	100.0	0.0	11.0	0.54	0.9
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	1973.	6.1	0.0	13.4		
8. Link_4	* -152.4	-7.6	-150.2	-7.6	* 2.	90. AG	29.	100.0	0.0	11.0	0.22	0.4

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
1. Link_2	* 60	54	2.0	150	1200	35.50	1	3
3. Link_5	* 60	54	2.0	14	1200	35.50	1	3
6. Link_12	* 60	6	2.0	1631	1200	35.50	1	3
8. Link_4	* 60	6	2.0	670	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.1	0.9	1.0	
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.2
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.1
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.1
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.1
50.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
60.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
70.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
80.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.4
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.4
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.2
110.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
120.	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
160.	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1
180.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.8	0.7
190.	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.4	1.0	0.9
200.	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.7	0.6
210.	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.5
220.	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.4	0.4
230.	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.4
240.	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.5	0.4
250.	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.4
260.	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.8	1.1	0.4
270.	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	1.4	0.5
280.	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.7	0.9
290.	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.2	0.2	0.2	0.4	0.9
300.	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.8
310.	0.2	0.1	0.1	0.1	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.8
320.	0.2	0.2	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.4	0.7
330.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.6	0.7
340.	0.3	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.5	0.3	0.7	0.7
350.	0.3	0.2	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.6	0.4	1.0	1.1
360.	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.9	1.0
MAX	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.3	0.5	0.4	0.4	0.3	0.4	0.4	0.4	0.4	1.0	0.8	1.4	1.1	
DEGR.	250	250	240	250	310	310	290	290	150	130	130	130	10	20	20	20	20	260	260	270	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.4	0.3	0.2	0.0	0.0	0.4	0.3	0.2
10.	*	0.1	0.1	0.4	0.2	0.2	0.6	0.5	0.4
20.	*	0.1	0.1	0.4	0.2	0.2	0.6	0.5	0.4
30.	*	0.1	0.1	0.3	0.2	0.2	0.4	0.4	0.4
40.	*	0.1	0.1	0.3	0.2	0.2	0.3	0.3	0.3
50.	*	0.1	0.1	0.3	0.2	0.1	0.2	0.2	0.1
60.	*	0.2	0.1	0.4	0.1	0.1	0.3	0.2	0.2
70.	*	0.2	0.2	0.4	0.1	0.1	0.2	0.2	0.2
80.	*	0.3	0.2	0.4	0.1	0.1	0.4	0.4	0.3
90.	*	0.1	0.0	0.5	0.1	0.1	0.5	0.3	0.2
100.	*	0.0	0.0	0.6	0.3	0.2	0.2	0.1	0.1
110.	*	0.0	0.0	0.7	0.5	0.3	0.1	0.1	0.1
120.	*	0.0	0.0	0.7	0.6	0.4	0.2	0.1	0.1
130.	*	0.0	0.0	0.7	0.7	0.5	0.2	0.2	0.1
140.	*	0.0	0.0	0.7	0.7	0.6	0.2	0.2	0.2
150.	*	0.0	0.0	0.6	0.6	0.5	0.2	0.2	0.2
160.	*	0.0	0.0	0.6	0.6	0.5	0.3	0.2	0.2
170.	*	0.0	0.0	0.6	0.6	0.4	0.2	0.1	0.1
180.	*	0.2	0.1	0.4	0.4	0.3	0.0	0.0	0.0
190.	*	0.5	0.3	0.3	0.4	0.3	0.0	0.0	0.0
200.	*	0.4	0.3	0.3	0.4	0.3	0.0	0.0	0.0
210.	*	0.3	0.2	0.4	0.4	0.3	0.0	0.0	0.0
220.	*	0.3	0.2	0.4	0.4	0.3	0.0	0.0	0.0
230.	*	0.2	0.2	0.4	0.5	0.4	0.0	0.0	0.0
240.	*	0.2	0.2	0.6	0.6	0.4	0.0	0.0	0.0
250.	*	0.2	0.2	0.8	0.7	0.5	0.0	0.0	0.0
260.	*	0.2	0.2	1.2	0.9	0.5	0.0	0.0	0.0
270.	*	0.3	0.2	1.4	0.4	0.1	0.1	0.0	0.0
280.	*	0.6	0.4	0.7	0.0	0.0	0.4	0.3	0.1
290.	*	0.7	0.6	0.3	0.0	0.0	0.5	0.4	0.3
300.	*	0.6	0.6	0.2	0.0	0.0	0.4	0.4	0.3
310.	*	0.6	0.5	0.1	0.0	0.0	0.4	0.3	0.3
320.	*	0.6	0.5	0.1	0.0	0.0	0.3	0.3	0.3
330.	*	0.5	0.3	0.1	0.0	0.0	0.3	0.3	0.2
340.	*	0.5	0.4	0.1	0.0	0.0	0.3	0.3	0.2
350.	*	0.7	0.5	0.1	0.0	0.0	0.3	0.2	0.2
360.	*	0.4	0.3	0.2	0.0	0.0	0.4	0.3	0.2
MAX	*	0.7	0.6	1.4	0.9	0.6	0.6	0.5	0.4
DEGR.	*	290	290	270	260	140	10	10	10

THE HIGHEST CONCENTRATION OF 1.40 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030South_station- W. hacienda and Polaris Ave- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 22:58: 0

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	233.2	* 386.	360. AG	86.	100.0	0.0	3.7	3.80	64.3
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	191.	6.1	0.0	9.7		
3. Link_5	* -7.6	152.4	-7.6	-33.6	* 186.	180. AG	86.	100.0	0.0	3.7	2.30	31.0
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	122.	6.1	0.0	9.7		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	665.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	147.3	7.6	* 5.	270. AG	29.	100.0	0.0	11.0	0.51	0.8
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	665.	6.1	0.0	13.4		
8. Link_4	* -152.4	-7.6	-150.1	-7.6	* 2.	90. AG	29.	100.0	0.0	11.0	0.23	0.4

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
1. Link_2	* 60	54	2.0	152	1200	35.50	1	3
3. Link_5	* 60	54	2.0	92	1200	35.50	1	3
6. Link_12	* 60	6	2.0	1520	1200	35.50	1	3
8. Link_4	* 60	6	2.0	696	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.3	0.1	0.9	1.1
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.0	0.0	0.5	0.4	0.3	0.3	0.0	0.0	0.2	0.2
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.2	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.1
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.1
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.1
50.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.2
60.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.2
70.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3
80.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.4
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.5
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.2	0.2
110.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.1
120.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1
180.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.8	0.7
190.	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.4	1.0	0.9
200.	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.8	0.6
210.	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.9	0.5
220.	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.3	0.6	0.5
230.	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.6
240.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.6
250.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
260.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.5
270.	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.9	0.6
280.	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.7
290.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.3	0.3	0.4	0.7
300.	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.3	0.5	0.7
310.	0.3	0.2	0.2	0.2	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.6	0.8
320.	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.7	0.8
330.	0.4	0.3	0.3	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.4	0.8	0.8
340.	0.4	0.3	0.2	0.2	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.7	0.5	1.0	1.0
350.	0.3	0.2	0.1	0.1	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.7	0.5	1.2	1.4
360.	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.3	0.1	0.9	1.1
MAX	0.4	0.4	0.3	0.3	0.6	0.5	0.4	0.4	0.5	0.5	0.4	0.3	0.6	0.5	0.5	0.5	0.7	0.5	1.2	1.4
DEGR.	200	210	200	200	340	310	310	330	130	150	130	110	20	20	20	20	350	250	350	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.4	0.3	0.8	0.2	0.1	0.9	0.4	0.2
10.	*		0.1	0.1	1.2	0.7	0.5	1.3	0.9	0.6
20.	*		0.1	0.1	0.9	0.6	0.5	1.0	0.7	0.6
30.	*		0.1	0.1	0.7	0.5	0.4	0.8	0.6	0.5
40.	*		0.1	0.1	0.6	0.5	0.4	0.6	0.5	0.4
50.	*		0.2	0.1	0.6	0.4	0.3	0.6	0.4	0.3
60.	*		0.2	0.1	0.6	0.3	0.3	0.6	0.4	0.4
70.	*		0.2	0.2	0.5	0.3	0.3	0.5	0.5	0.5
80.	*		0.3	0.2	0.5	0.3	0.3	0.7	0.6	0.5
90.	*		0.1	0.0	0.6	0.3	0.3	0.9	0.5	0.4
100.	*		0.0	0.0	0.7	0.4	0.4	0.5	0.3	0.3
110.	*		0.0	0.0	0.7	0.5	0.4	0.4	0.3	0.3
120.	*		0.0	0.0	0.7	0.5	0.5	0.5	0.3	0.2
130.	*		0.0	0.0	0.8	0.6	0.5	0.6	0.4	0.2
140.	*		0.0	0.0	0.8	0.7	0.6	0.6	0.4	0.2
150.	*		0.0	0.0	0.8	0.6	0.5	0.7	0.4	0.2
160.	*		0.0	0.0	1.0	0.6	0.5	1.0	0.3	0.2
170.	*		0.0	0.0	1.2	0.5	0.3	0.8	0.1	0.1
180.	*		0.2	0.1	0.7	0.1	0.1	0.3	0.0	0.0
190.	*		0.5	0.3	0.1	0.1	0.1	0.0	0.0	0.0
200.	*		0.4	0.3	0.1	0.1	0.1	0.0	0.0	0.0
210.	*		0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0
220.	*		0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0
230.	*		0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0
240.	*		0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0
250.	*		0.3	0.3	0.3	0.2	0.2	0.0	0.0	0.0
260.	*		0.3	0.3	0.4	0.3	0.2	0.0	0.0	0.0
270.	*		0.3	0.3	0.5	0.1	0.0	0.0	0.0	0.0
280.	*		0.4	0.4	0.2	0.0	0.0	0.2	0.1	0.0
290.	*		0.5	0.4	0.1	0.0	0.0	0.2	0.1	0.1
300.	*		0.5	0.5	0.1	0.0	0.0	0.1	0.1	0.1
310.	*		0.6	0.5	0.0	0.0	0.0	0.1	0.1	0.1
320.	*		0.7	0.6	0.0	0.0	0.0	0.1	0.1	0.1
330.	*		0.6	0.5	0.0	0.0	0.0	0.1	0.1	0.1
340.	*		0.7	0.6	0.0	0.0	0.0	0.1	0.1	0.1
350.	*		0.9	0.7	0.1	0.0	0.0	0.2	0.1	0.1
360.	*		0.4	0.3	0.8	0.2	0.1	0.9	0.4	0.2
MAX	*		0.9	0.7	1.2	0.7	0.6	1.3	0.9	0.6
DEGR.	*		350	350	10	140	140	10	10	10

THE HIGHEST CONCENTRATION OF 1.40 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2030South_station- W. Hacienda and S. Valley View- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 22:59: 5

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	151.4	* 304.	360. AG	292.	100.0	0.0	14.6	1.42	50.6
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1504.	6.1	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	140.4	* 12.	180. AG	292.	100.0	0.0	14.6	0.69	2.0
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1086.	6.1	0.0	17.0		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	3032.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	140.6	7.6	* 12.	270. AG	67.	100.0	0.0	11.0	0.60	2.0
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	1455.	6.1	0.0	13.4		
8. Link_4	* -152.4	-7.6	1294.3	-7.6	* 1447.	90. AG	67.	100.0	0.0	11.0	1.54	241.1

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
1. Link_2	* 60	46	2.0	1138	1200	35.50	1	3
3. Link_5	* 60	46	2.0	554	1200	35.50	1	3
6. Link_12	* 60	14	2.0	1514	1200	35.50	1	3
8. Link_4	* 60	14	2.0	3871	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	0.1	0.0	0.0	0.0	0.8	0.8	0.5	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.7	0.4	4.1	4.8
10.	*	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.1	0.1	0.0	0.9	0.7	0.6	0.4	0.2	0.0	2.2	2.9
20.	*	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.8	0.6	0.4	0.2	1.4	1.1	1.0	0.9	0.0	0.0	1.1	1.6
30.	*	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.9	0.8	0.7	0.6	1.2	1.1	1.0	1.0	0.0	0.0	0.7	1.3
40.	*	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.8	0.8	0.7	0.7	1.2	1.1	1.1	0.9	0.0	0.0	0.4	1.1
50.	*	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.5	0.8	0.8	0.7	0.6	1.3	1.2	1.0	0.9	0.0	0.0	0.4	1.3
60.	*	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.5	0.7	0.6	0.6	0.6	1.3	1.2	1.2	1.1	0.0	0.0	0.4	1.7
70.	*	0.0	0.0	0.0	0.0	0.9	0.8	0.6	0.4	0.7	0.7	0.5	0.5	1.6	1.4	1.2	1.2	0.0	0.0	0.4	2.0
80.	*	0.0	0.0	0.0	0.0	0.9	0.6	0.4	0.3	0.7	0.7	0.5	0.5	1.7	1.4	1.2	1.1	0.0	0.0	0.4	2.9
90.	*	0.2	0.1	0.1	0.1	0.4	0.2	0.2	0.2	0.9	0.7	0.6	0.6	1.0	0.9	0.7	0.7	0.3	0.2	0.8	3.6
100.	*	0.4	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.0	0.8	0.8	0.6	0.6	0.5	0.5	0.7	0.5	1.5	1.8
110.	*	0.6	0.5	0.3	0.2	0.0	0.0	0.0	0.0	1.4	1.3	1.1	1.0	0.7	0.6	0.5	0.5	0.8	0.7	1.4	1.0
120.	*	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	1.3	1.1	1.1	1.1	0.7	0.6	0.6	0.6	0.7	0.7	1.2	0.7
130.	*	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.7	0.5	1.1	0.6
140.	*	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.2	1.2	1.1	1.0	0.8	0.8	0.7	0.6	0.6	0.5	1.2	0.6
150.	*	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.2	1.1	1.0	0.9	0.9	0.8	0.7	0.5	0.5	0.4	1.4	0.7
160.	*	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.3	1.2	1.1	1.0	0.8	0.6	0.3	0.2	0.5	0.5	1.7	1.0
170.	*	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.8	0.6	0.4	0.3	0.1	0.0	0.0	0.6	0.4	2.5	1.9
180.	*	0.6	0.5	0.5	0.4	0.1	0.1	0.0	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.9	0.9	4.1	3.6
190.	*	1.6	1.3	1.0	0.8	0.8	0.5	0.1	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	3.3	2.0	3.8	3.2
200.	*	1.7	1.6	1.4	1.3	1.2	1.0	0.6	0.4	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	2.7	2.1	2.9	2.2
210.	*	1.6	1.5	1.2	1.2	1.1	1.1	0.8	0.7	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.3	1.9	2.3	1.7
220.	*	1.4	1.2	1.1	1.1	0.9	0.9	0.7	0.7	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.0	1.4	1.8	1.5
230.	*	1.2	1.1	1.1	1.0	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.7	1.5	1.6	1.4
240.	*	1.3	1.1	1.0	1.0	0.8	0.7	0.6	0.6	0.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.5	1.4	1.4
250.	*	1.4	1.3	1.1	1.0	0.8	0.7	0.6	0.6	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0	1.8	1.6	1.6	1.6
260.	*	1.2	1.1	0.9	0.8	0.7	0.7	0.6	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.4	1.9	1.9
270.	*	0.9	0.8	0.7	0.7	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.1	1.9	2.4
280.	*	0.8	0.8	0.7	0.7	1.0	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	1.2	0.9	1.3	2.6
290.	*	0.9	0.8	0.7	0.7	1.2	1.1	1.0	1.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	1.2	1.0	1.1	2.4
300.	*	0.9	0.8	0.7	0.7	1.4	1.2	1.1	0.9	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.2	1.2	1.1	1.1	2.3
310.	*	0.9	0.8	0.8	0.8	1.5	1.4	1.1	1.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	1.3	1.2	1.2	2.1
320.	*	1.1	0.9	0.8	0.8	1.6	1.6	1.3	1.2	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	1.6	1.2	1.3	2.1
330.	*	1.2	1.1	1.0	0.9	1.6	1.6	1.3	1.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.8	1.5	1.8	2.4
340.	*	1.5	1.2	0.9	0.5	1.9	1.8	1.6	1.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	2.4	1.8	2.3	2.8
350.	*	0.9	0.5	0.1	0.0	2.1	1.8	1.2	0.9	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	3.2	1.8	3.6	4.2
360.	*	0.1	0.0	0.0	0.0	0.8	0.8	0.5	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.7	0.4	4.1	4.8
MAX	*	1.7	1.6	1.4	1.3	2.1	1.8	1.6	1.4	1.4	1.3	1.1	1.1	1.7	1.4	1.2	1.2	3.3	2.1	4.1	4.8
DEGR.	*	200	200	200	200	350	350	340	340	110	110	140	120	80	70	60	70	190	200	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	2.5	1.4	0.5	0.2	0.1	1.1	0.7	0.5
10.	*	0.8	0.6	1.6	1.0	0.5	2.2	1.7	1.2
20.	*	0.7	0.7	1.7	1.3	1.1	2.2	1.9	1.7
30.	*	0.8	0.7	1.4	1.2	1.0	1.8	1.7	1.4
40.	*	0.9	0.7	1.3	1.0	0.9	1.6	1.5	1.4
50.	*	1.0	0.8	1.2	0.8	0.8	1.6	1.3	1.3
60.	*	1.2	0.9	1.1	0.8	0.8	1.8	1.6	1.4
70.	*	1.5	1.1	1.1	0.8	0.8	2.0	1.9	1.8
80.	*	2.0	1.2	1.1	0.8	0.7	3.0	2.7	2.0
90.	*	1.2	0.6	1.7	1.2	0.9	3.8	2.2	1.4
100.	*	0.1	0.0	2.4	1.7	1.4	1.9	0.9	0.7
110.	*	0.0	0.0	2.3	1.8	1.6	1.2	0.8	0.8
120.	*	0.0	0.0	2.0	1.8	1.6	1.1	0.8	0.8
130.	*	0.0	0.0	1.9	1.6	1.4	1.1	0.8	0.8
140.	*	0.0	0.0	1.9	1.7	1.5	1.2	1.1	0.9
150.	*	0.0	0.0	1.8	1.5	1.3	1.3	1.2	1.1
160.	*	0.0	0.0	1.9	1.7	1.5	1.6	1.4	1.1
170.	*	0.1	0.0	1.9	1.7	1.2	1.7	1.2	0.6
180.	*	1.2	0.4	1.2	0.8	0.5	1.0	0.4	0.1
190.	*	2.5	1.4	0.6	0.4	0.3	0.4	0.1	0.0
200.	*	2.0	1.5	0.6	0.4	0.3	0.2	0.0	0.0
210.	*	1.6	1.3	0.5	0.4	0.4	0.1	0.0	0.0
220.	*	1.4	1.1	0.5	0.5	0.4	0.2	0.0	0.0
230.	*	1.2	1.0	0.5	0.6	0.4	0.2	0.0	0.0
240.	*	1.1	0.9	0.7	0.6	0.5	0.2	0.0	0.0
250.	*	1.0	0.9	0.9	0.7	0.6	0.3	0.0	0.0
260.	*	1.0	0.8	1.1	0.8	0.5	0.5	0.0	0.0
270.	*	1.3	0.9	1.0	0.3	0.1	1.0	0.2	0.1
280.	*	2.0	1.3	0.5	0.0	0.0	1.1	0.7	0.4
290.	*	2.1	1.6	0.2	0.0	0.0	1.0	0.7	0.5
300.	*	2.1	1.6	0.1	0.0	0.0	0.8	0.6	0.4
310.	*	2.2	1.9	0.1	0.0	0.0	0.7	0.5	0.4
320.	*	2.2	1.8	0.1	0.0	0.0	0.5	0.4	0.4
330.	*	2.5	2.0	0.1	0.0	0.0	0.5	0.4	0.4
340.	*	2.8	2.4	0.1	0.0	0.0	0.5	0.4	0.4
350.	*	3.8	2.7	0.1	0.0	0.0	0.5	0.4	0.4
360.	*	2.5	1.4	0.5	0.2	0.1	1.1	0.7	0.5
MAX	*	3.8	2.7	2.4	1.8	1.6	3.8	2.7	2.0
DEGR.	*	350	350	100	110	110	90	80	80

THE HIGHEST CONCENTRATION OF 4.80 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2030South_station- W. Russell and Polaris- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 23: 0:37

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	234.6	* 387.	360. AG	159.	100.0	0.0	7.3	1.93	64.5
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	173.	6.1	0.0	9.7		
3. Link_5	* -7.6	152.4	-7.6	-514.7	* 667.	180. AG	79.	100.0	0.0	3.7	2.66	111.2
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	173.	6.1	0.0	9.7		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2299.	6.1	0.0	17.0		
6. Link_12	* 152.4	7.6	143.8	7.6	* 9.	270. AG	63.	100.0	0.0	14.6	0.56	1.4
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2405.	6.1	0.0	17.0		
8. Link_4	* -152.4	-7.6	-143.3	-7.6	* 9.	90. AG	63.	100.0	0.0	14.6	0.59	1.5

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
1. Link_2	* 60	50	2.0	465	1200	35.50	1	3
3. Link_5	* 60	50	2.0	319	1200	35.50	1	3
6. Link_12	* 60	10	2.0	2077	1200	35.50	1	3
8. Link_4	* 60	10	2.0	2188	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.1	0.1	0.0	0.0	0.5	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.6	0.3	2.3	2.7
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.5	0.3	0.1	0.0	0.9	0.7	0.5	0.5	0.0	0.0	0.7	1.0
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.6	0.6	0.4	0.4	0.9	0.8	0.8	0.7	0.0	0.0	0.2	0.6
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.5	0.5	0.5	0.4	0.7	0.7	0.7	0.6	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.5	0.4	0.4	0.3	0.6	0.5	0.5	0.4	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.5	0.4	0.4	0.3	0.6	0.5	0.5	0.4	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.7	0.6	0.6	0.6	0.0	0.0	0.1	0.7
70.	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.2	0.3	0.3	0.3	0.3	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.8
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.3	0.3	0.3	0.3	0.8	0.7	0.6	0.5	0.0	0.0	0.0	1.2
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.1	1.4
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.5	0.8
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.5	0.4	0.6	0.4
120.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.6	0.4	0.3	0.3	0.3	0.4	0.4	0.6	0.4
130.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	0.8	0.8	0.7	0.5	0.4	0.4	0.3	0.4	0.3	0.5	0.2
140.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	0.8	0.8	0.7	0.5	0.4	0.4	0.3	0.3	0.3	0.5	0.3
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.6	0.5	0.5	0.5	0.3	0.3	0.3	0.5	0.3
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.9	0.9	0.8	0.8	0.5	0.4	0.3	0.2	0.3	0.3	0.5	0.4
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.5	0.4	0.3	0.2	0.2	0.3	0.3	0.9	0.8
180.	0.4	0.4	0.2	0.2	0.1	0.1	0.0	0.0	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.1	1.0	0.6	2.5	2.4
190.	0.9	0.8	0.7	0.6	0.6	0.5	0.3	0.2	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.6	1.3	2.7	2.6
200.	1.0	0.9	0.8	0.8	0.7	0.7	0.5	0.4	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.1	1.9	1.7
210.	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	0.9	1.3	1.2
220.	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.7	1.1	1.2
230.	0.7	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	1.0	1.1
240.	0.7	0.7	0.7	0.6	0.4	0.4	0.4	0.3	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.9	0.8	1.0	0.9
250.	0.9	0.9	0.7	0.7	0.4	0.4	0.3	0.3	0.6	0.4	0.3	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.2	1.0
260.	1.0	0.8	0.6	0.5	0.4	0.4	0.3	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.5	1.3	1.7	1.0
270.	0.5	0.5	0.3	0.3	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.8	1.8	1.1
280.	0.4	0.4	0.3	0.3	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.6	0.5	1.3	1.6
290.	0.4	0.4	0.3	0.3	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.6	0.5	0.9	1.7
300.	0.4	0.4	0.4	0.3	0.9	0.8	0.8	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.6	0.5	0.7	1.7
310.	0.5	0.4	0.4	0.4	1.1	0.9	0.8	0.8	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6	0.5	0.9	1.7
320.	0.5	0.4	0.4	0.4	1.0	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.8	0.6	1.0	1.7
330.	0.5	0.5	0.5	0.4	1.0	0.8	0.8	0.6	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.9	0.7	1.2	1.7
340.	0.6	0.6	0.4	0.4	1.0	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.1	0.8	1.7	2.0
350.	0.6	0.4	0.3	0.2	1.0	1.0	0.7	0.5	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.3	0.9	2.3	2.7
360.	0.1	0.1	0.0	0.0	0.5	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.6	0.3	2.3	2.7
MAX	1.0	0.9	0.8	0.8	1.1	1.0	0.8	0.8	1.1	0.9	0.8	0.8	0.9	0.8	0.8	0.7	1.6	1.3	2.7	2.7
DEGR.	200	200	200	200	310	320	320	310	130	160	130	160	10	20	20	70	190	190	190	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.1	0.8	1.0	0.3	0.1	1.3	0.6	0.5	
10.	*	0.4	0.3	1.7	0.9	0.7	1.8	1.3	1.0	
20.	*	0.4	0.4	1.4	0.8	0.8	1.5	1.1	1.1	
30.	*	0.4	0.4	1.0	0.7	0.6	1.1	0.9	0.9	
40.	*	0.5	0.4	1.0	0.6	0.5	0.9	0.7	0.6	
50.	*	0.6	0.5	1.0	0.5	0.5	0.8	0.6	0.6	
60.	*	0.7	0.5	0.8	0.5	0.5	0.9	0.8	0.8	
70.	*	0.9	0.6	0.9	0.5	0.4	1.0	1.0	0.9	
80.	*	1.2	0.6	0.9	0.5	0.5	1.5	1.4	1.2	
90.	*	0.7	0.2	1.1	0.7	0.5	1.8	1.2	0.8	
100.	*	0.1	0.0	1.5	1.2	0.8	1.1	0.6	0.5	
110.	*	0.0	0.0	1.6	1.4	0.9	0.8	0.5	0.4	
120.	*	0.0	0.0	1.6	1.3	1.2	0.6	0.5	0.5	
130.	*	0.0	0.0	1.6	1.3	1.2	0.7	0.5	0.5	
140.	*	0.0	0.0	1.5	1.3	1.1	0.8	0.6	0.5	
150.	*	0.0	0.0	1.5	1.3	1.1	1.0	0.7	0.6	
160.	*	0.0	0.0	1.7	1.2	1.1	1.3	0.9	0.7	
170.	*	0.0	0.0	2.0	1.4	1.2	1.5	0.9	0.6	
180.	*	0.5	0.2	1.5	1.0	0.7	1.1	0.4	0.3	
190.	*	1.3	0.9	0.5	0.4	0.4	0.2	0.0	0.0	
200.	*	1.0	0.8	0.4	0.4	0.4	0.0	0.0	0.0	
210.	*	0.9	0.7	0.4	0.5	0.4	0.0	0.0	0.0	
220.	*	0.8	0.6	0.4	0.5	0.5	0.0	0.0	0.0	
230.	*	0.6	0.5	0.5	0.6	0.5	0.0	0.0	0.0	
240.	*	0.6	0.5	0.7	0.7	0.6	0.0	0.0	0.0	
250.	*	0.6	0.5	0.8	0.9	0.7	0.0	0.0	0.0	
260.	*	0.5	0.5	1.3	1.2	0.7	0.0	0.0	0.0	
270.	*	0.7	0.5	1.5	0.7	0.2	0.1	0.0	0.0	
280.	*	1.2	0.8	0.9	0.1	0.0	0.6	0.3	0.2	
290.	*	1.4	1.1	0.4	0.0	0.0	0.6	0.5	0.4	
300.	*	1.4	1.1	0.3	0.0	0.0	0.5	0.4	0.4	
310.	*	1.4	1.2	0.1	0.0	0.0	0.4	0.4	0.4	
320.	*	1.5	1.2	0.2	0.0	0.0	0.4	0.3	0.3	
330.	*	1.4	1.2	0.2	0.0	0.0	0.4	0.3	0.3	
340.	*	1.4	1.2	0.2	0.0	0.0	0.4	0.3	0.3	
350.	*	1.8	1.3	0.3	0.0	0.0	0.4	0.3	0.3	
360.	*	1.1	0.8	1.0	0.3	0.1	1.3	0.6	0.5	
MAX	*	1.8	1.3	2.0	1.4	1.2	1.8	1.4	1.2	
DEGR.	*	350	350	170	110	120	90	80	80	

THE HIGHEST CONCENTRATION OF 2.70 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030South_station- W. Russell and I-15 SB Ramps- No Project

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 23: 1:57

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C QUEUE	
		X1	Y1	X2	Y2								*	(VEH)
1. Link_5	*	-7.6	152.4	-7.6	-1703.0	*	1855.	180. AG	149.	100.0	0.0	7.3	4.17	309.2
2. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1367.	6.1	0.0	13.4		
3. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2413.	6.1	0.0	17.0		
4. Link_12	*	152.4	7.6	143.0	7.6	*	9.	270. AG	103.	100.0	0.0	18.3	0.51	1.6
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2312.	6.1	0.0	17.0		
6. Link_4	*	-152.4	-7.6	-136.3	-7.6	*	16.	90. AG	83.	100.0	0.0	14.6	0.78	2.7

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
1. Link_5	*	60	47	2.0	1502	1200	35.50	1	3
4. Link_12	*	60	13	2.0	2175	1200	35.50	1	3
6. Link_4	*	60	13	2.0	2694	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.5
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.2	0.1	0.0	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.4
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.4	0.3	0.2	0.8	0.6	0.6	0.6	0.0	0.0	0.0	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.4	0.4	0.3	0.3	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.4
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.7	0.5	0.5	0.5	0.0	0.0	0.0	0.4
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.8	0.8	0.7	0.6	0.0	0.0	0.0	0.7
70.	0.0	0.0	0.0	0.0	0.6	0.5	0.3	0.2	0.3	0.2	0.2	0.2	1.0	0.9	0.8	0.7	0.0	0.0	0.0	0.8
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.3	0.3	0.2	0.2	1.1	0.9	0.6	0.5	0.0	0.0	0.0	1.3
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.6	0.6	0.3	0.3	0.0	0.0	0.1	1.5
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.3	0.5	0.5	0.3	0.3	0.3	0.2	0.6	0.9
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.5	0.5	0.4	0.3	0.3	0.5	0.4	0.6	0.4
120.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.5	0.5	0.5	0.4	0.3	0.4	0.4	0.5	0.3
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.2
140.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	0.8	0.8	0.7	0.6	0.5	0.5	0.5	0.3	0.3	0.4	0.2
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.7	0.7	0.6	0.5	0.5	0.3	0.3	0.4	0.2
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.1	1.1	0.9	0.8	0.8	0.7	0.6	0.5	0.3	0.3	0.4	0.2
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.2	1.1	0.8	0.9	0.8	0.6	0.5	0.3	0.3	0.3	0.2
180.	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.3	1.1	0.8	0.8	0.6	0.7	0.5	0.4	0.4	0.9	0.8	1.2	1.0
190.	1.0	0.8	0.8	0.7	0.6	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.4	1.3
200.	0.9	0.8	0.7	0.7	0.6	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	1.0	1.2	1.1
210.	0.7	0.7	0.7	0.7	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.9	1.0	0.9
220.	0.6	0.6	0.4	0.4	0.5	0.5	0.4	0.3	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.7	0.8
230.	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.7	0.9
240.	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.7	0.8
250.	0.7	0.7	0.6	0.6	0.3	0.3	0.3	0.3	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.7	0.8	0.8
260.	0.7	0.6	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.2	0.9	1.2	0.8
270.	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	1.5	1.0
280.	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.2	0.8	1.4
290.	0.2	0.2	0.2	0.2	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.3	0.2	0.5	1.5
300.	0.2	0.2	0.2	0.2	0.7	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.3	0.3	1.4
310.	0.2	0.2	0.2	0.2	0.9	0.9	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.3	0.4	1.3
320.	0.3	0.3	0.2	0.2	0.9	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.3	0.4	1.1
330.	0.3	0.3	0.2	0.2	0.7	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.4	0.5	1.1
340.	0.3	0.2	0.1	0.0	0.7	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.5	0.4	0.5	1.0
350.	0.1	0.0	0.0	0.0	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.1	0.5	0.9
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.5
MAX	1.0	0.8	0.8	0.7	0.9	0.9	0.7	0.7	1.3	1.2	1.1	0.8	1.1	0.9	0.8	0.7	1.2	1.1	1.5	1.5
DEGR.	190	190	190	190	310	310	300	310	170	170	170	160	80	70	70	70	190	190	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.4	2.1	0.4	0.1	2.4	0.8	0.5
10.	*	0.4	0.4	2.0	0.9	0.6	2.4	1.4	1.0
20.	*	0.4	0.4	1.3	0.8	0.6	1.8	1.3	0.9
30.	*	0.5	0.4	1.0	0.6	0.5	1.4	1.0	0.8
40.	*	0.5	0.5	1.0	0.5	0.4	1.2	0.9	0.7
50.	*	0.6	0.5	0.8	0.5	0.4	1.0	0.9	0.7
60.	*	0.7	0.6	0.8	0.5	0.3	1.1	1.1	0.8
70.	*	0.9	0.7	0.8	0.4	0.4	1.2	1.2	1.2
80.	*	1.2	0.7	0.8	0.4	0.3	1.7	1.6	1.3
90.	*	0.7	0.2	1.0	0.6	0.3	1.9	1.4	0.8
100.	*	0.1	0.0	1.4	1.1	0.6	1.3	0.7	0.5
110.	*	0.0	0.0	1.5	1.3	1.0	0.9	0.6	0.6
120.	*	0.0	0.0	1.6	1.3	0.9	0.9	0.8	0.5
130.	*	0.0	0.0	1.4	1.3	1.1	0.9	0.8	0.6
140.	*	0.0	0.0	1.6	1.3	1.1	1.1	0.8	0.7
150.	*	0.0	0.0	1.6	1.3	1.2	1.3	1.0	0.8
160.	*	0.0	0.0	2.0	1.5	1.3	1.7	1.3	1.0
170.	*	0.0	0.0	2.9	2.1	1.7	2.8	1.7	1.3
180.	*	0.6	0.5	3.6	1.9	1.3	3.5	1.5	0.9
190.	*	0.9	0.7	1.3	0.5	0.4	1.1	0.1	0.0
200.	*	0.8	0.6	0.7	0.4	0.4	0.4	0.0	0.0
210.	*	0.6	0.6	0.5	0.5	0.4	0.2	0.0	0.0
220.	*	0.5	0.5	0.5	0.5	0.4	0.2	0.0	0.0
230.	*	0.5	0.5	0.6	0.6	0.5	0.2	0.0	0.0
240.	*	0.5	0.5	0.7	0.7	0.5	0.2	0.0	0.0
250.	*	0.5	0.4	0.8	0.9	0.7	0.1	0.0	0.0
260.	*	0.5	0.4	1.2	1.2	0.7	0.1	0.0	0.0
270.	*	0.7	0.4	1.4	0.7	0.2	0.2	0.0	0.0
280.	*	1.2	0.7	0.8	0.1	0.0	0.7	0.3	0.2
290.	*	1.4	0.9	0.4	0.0	0.0	0.7	0.5	0.4
300.	*	1.2	1.1	0.4	0.0	0.0	0.7	0.4	0.4
310.	*	1.2	1.1	0.2	0.0	0.0	0.6	0.4	0.3
320.	*	1.0	0.9	0.3	0.0	0.0	0.6	0.3	0.3
330.	*	1.0	0.9	0.3	0.0	0.0	0.6	0.3	0.3
340.	*	0.9	0.8	0.4	0.0	0.0	0.7	0.3	0.3
350.	*	0.8	0.7	0.8	0.0	0.0	1.1	0.3	0.3
360.	*	0.6	0.4	2.1	0.4	0.1	2.4	0.8	0.5
MAX	*	1.4	1.1	3.6	2.1	1.7	3.5	1.7	1.3
DEGR.	*	290	300	180	170	170	180	170	80

THE HIGHEST CONCENTRATION OF 3.60 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station- W Russell and I-15 NB Ramps

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 23: 3:19

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_5	*	-7.6	0.0	-7.6	152.4	*	152.	360. AG	1651.	6.1	0.0	13.4		
2. Link_7	*	-7.6	-152.4	-7.6	292.5	*	445.	360. AG	238.	100.0	0.0	11.0	2.08 74.2	
3. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	1827.	6.1	0.0	17.0		
4. Link_12	*	152.4	7.6	143.8	7.6	*	9.	270. AG	79.	100.0	0.0	14.6	0.56 1.4	
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	1902.	6.1	0.0	17.0		
6. Link_4	*	-152.4	-7.6	-143.9	-7.6	*	8.	90. AG	63.	100.0	0.0	18.3	0.55 1.4	

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. Link_7	*	60	50	2.0	751	1200	35.50	1	3
4. Link_12	*	60	10	2.0	2590	1200	35.50	1	3
6. Link_4	*	60	10	2.0	2039	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.1	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.0	0.7	0.5	0.4	0.3	0.3	0.1	0.6	0.9
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.3	0.9	0.6	0.5	1.7	1.4	1.2	0.9	0.0	0.0	0.0	0.3
20.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.3	1.1	0.9	0.7	1.5	1.3	1.2	1.1	0.0	0.0	0.0	0.3
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.0	0.9	0.8	0.7	1.1	1.0	1.0	0.9	0.0	0.0	0.0	0.3
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.9	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.0	0.0	0.0	0.3
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.4
60.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.7	0.7	0.6	0.6	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.5
70.	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.1	0.7	0.7	0.6	0.6	0.9	0.9	0.7	0.7	0.0	0.0	0.0	0.6
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.7	0.7	0.6	0.6	0.9	0.8	0.6	0.6	0.0	0.0	0.0	1.0
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.6	0.4	0.4	0.4	0.0	0.0	0.1	1.1
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.7	0.5	0.5	0.4	0.4	0.3	0.1	0.4	0.7
110.	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.8	0.8	0.5	0.5	0.4	0.4	0.4	0.3	0.5	0.3
120.	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	1.1	1.1	0.8	0.8	0.5	0.5	0.4	0.4	0.3	0.3	0.4	0.2
130.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.1	1.1	1.1	0.9	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.1
140.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.0	0.9	0.9	0.6	0.5	0.5	0.5	0.3	0.2	0.3	0.1
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.1	0.9	0.8	0.7	0.7	0.6	0.6	0.5	0.3	0.2	0.3	0.2
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.0	0.9	0.8	0.8	0.7	0.5	0.3	0.2	0.2	0.3	0.1
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.1	0.8	0.7	0.5	0.6	0.3	0.1	0.0	0.2	0.2	0.3	0.1
180.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.3	0.2	0.5	0.3
190.	0.5	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.9	0.7	1.2	0.9
200.	0.8	0.8	0.7	0.6	0.5	0.4	0.1	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.9	1.1	1.0
210.	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.9	0.8	1.0	0.9
220.	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.8	0.8
230.	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.8
240.	0.9	0.9	0.9	0.6	0.4	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.8
250.	1.0	0.9	0.7	0.7	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	1.1	1.2	0.8
260.	1.0	0.9	0.6	0.6	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.5	1.2	1.5	0.7
270.	0.7	0.6	0.4	0.4	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.8	1.7	0.9
280.	0.6	0.6	0.4	0.4	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.8	0.6	1.1	1.3
290.	0.6	0.5	0.4	0.4	0.7	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.7	0.6	0.9	1.4
300.	0.6	0.6	0.6	0.5	0.8	0.8	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.7	0.6	0.9	1.5
310.	0.7	0.6	0.6	0.4	1.0	0.9	0.8	0.7	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.7	0.7	0.9	1.4
320.	0.7	0.7	0.6	0.6	1.1	1.1	0.9	0.9	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.9	0.7	1.0	1.5
330.	0.8	0.7	0.7	0.6	1.1	1.0	0.9	0.9	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.0	0.9	1.1	1.6
340.	0.9	0.7	0.7	0.5	1.3	1.1	1.0	0.9	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.1	1.0	1.3	1.6
350.	0.6	0.4	0.3	0.2	1.0	0.9	0.8	0.6	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.1	0.8	1.6	1.9
360.	0.1	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.0	0.7	0.5	0.4	0.3	0.3	0.1	0.6	0.9
MAX	1.0	0.9	0.9	0.7	1.3	1.1	1.0	0.9	1.3	1.1	1.1	0.9	1.7	1.4	1.2	1.1	1.5	1.2	1.7	1.9
DEGR.	250	240	240	250	340	320	340	320	10	20	130	130	10	10	10	20	260	260	270	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.7	0.5	4.6	1.6	0.7	4.6	1.9	1.1
10.	*		0.3	0.3	3.8	2.6	1.7	3.7	2.8	2.1
20.	*		0.3	0.3	2.4	2.0	1.4	2.2	2.0	1.6
30.	*		0.4	0.3	1.9	1.6	1.2	1.7	1.5	1.2
40.	*		0.4	0.3	1.5	1.3	1.0	1.2	1.1	0.9
50.	*		0.4	0.4	1.4	1.2	0.9	1.0	0.9	0.7
60.	*		0.5	0.4	1.3	1.1	0.9	1.0	1.0	0.9
70.	*		0.7	0.5	1.2	1.0	0.9	1.1	1.1	1.0
80.	*		0.9	0.5	1.3	1.0	0.8	1.4	1.4	1.2
90.	*		0.6	0.2	1.4	1.2	0.9	1.6	1.2	0.8
100.	*		0.1	0.0	1.8	1.5	1.0	1.1	0.8	0.6
110.	*		0.0	0.0	1.8	1.7	1.3	0.8	0.7	0.6
120.	*		0.0	0.0	1.9	1.7	1.4	0.8	0.8	0.6
130.	*		0.0	0.0	1.9	1.8	1.4	0.9	0.8	0.6
140.	*		0.0	0.0	1.9	1.8	1.4	1.0	0.9	0.7
150.	*		0.0	0.0	2.1	1.9	1.2	1.3	1.1	0.8
160.	*		0.0	0.0	2.3	1.9	1.3	1.7	1.3	1.0
170.	*		0.0	0.0	3.2	2.1	1.5	2.5	1.6	1.0
180.	*		0.1	0.0	3.6	1.3	0.7	2.9	0.8	0.2
190.	*		0.5	0.3	2.0	0.4	0.3	1.4	0.1	0.0
200.	*		0.8	0.6	1.1	0.3	0.3	0.6	0.0	0.0
210.	*		0.7	0.6	0.8	0.4	0.3	0.3	0.0	0.0
220.	*		0.6	0.5	0.7	0.4	0.4	0.2	0.0	0.0
230.	*		0.5	0.5	0.7	0.5	0.4	0.2	0.0	0.0
240.	*		0.5	0.4	0.8	0.5	0.4	0.2	0.0	0.0
250.	*		0.5	0.4	0.9	0.7	0.5	0.1	0.0	0.0
260.	*		0.5	0.4	1.2	1.0	0.5	0.1	0.0	0.0
270.	*		0.7	0.4	1.5	0.6	0.2	0.3	0.0	0.0
280.	*		1.1	0.6	0.9	0.1	0.0	0.6	0.3	0.1
290.	*		1.2	0.9	0.6	0.0	0.0	0.6	0.4	0.3
300.	*		1.2	0.9	0.5	0.0	0.0	0.6	0.4	0.3
310.	*		1.4	1.1	0.4	0.0	0.0	0.5	0.3	0.3
320.	*		1.4	1.1	0.4	0.0	0.0	0.5	0.3	0.2
330.	*		1.5	1.2	0.7	0.0	0.0	0.6	0.3	0.2
340.	*		1.5	1.3	1.1	0.0	0.0	1.0	0.3	0.2
350.	*		1.6	1.3	2.2	0.1	0.0	2.0	0.3	0.2
360.	*		0.7	0.5	4.6	1.6	0.7	4.6	1.9	1.1
MAX	*		1.6	1.3	4.6	2.6	1.7	4.6	2.8	2.1
DEGR.	*		350	340	0	10	10	0	10	10

THE HIGHEST CONCENTRATION OF 4.60 PPM OCCURRED AT RECEPTOR REC26.

South Station Alternative- With Project Output-2030

JOB: 2030South_station-- W Tropicana and S. Valley View- With Project-DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:44:29

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_5	* -7.6	152.4	-7.6	-1028.6	* 1181.	180. AG	133.	100.0	0.0	11.0	1.64	196.8
2. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	952.	6.1	0.0	13.4		
3. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2923.	6.1	0.0	17.0		
4. Link_12	* 152.4	7.6	119.4	7.6	* 33.	270. AG	254.	100.0	0.0	18.3	0.89	5.5
5. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2761.	6.1	0.0	17.0		
6. Link_4	* -152.4	-7.6	-138.6	-7.6	* 14.	90. AG	254.	100.0	0.0	18.3	0.54	2.3
7. Link_6	* 7.6	0.0	7.6	152.4	* 152.	360. AG	644.	6.1	0.0	13.4		
8. Link_8	* 7.6	-152.4	7.6	-142.2	* 10.	360. AG	222.	100.0	0.0	18.3	0.39	1.7

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
1. Link_5	* 60	28	2.0	2761	1200	35.50	1	3
4. Link_12	* 60	32	2.0	2129	1200	35.50	1	3
6. Link_4	* 60	32	2.0	1296	1200	35.50	1	3
8. Link_8	* 60	28	2.0	1094	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.0	0.5	0.9
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.0	0.9	0.6	0.6	0.4	0.0	0.0	0.2	0.6
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.6	0.5	0.3	0.2	0.9	0.8	0.8	0.6	0.0	0.0	0.1	0.5
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.5	0.5	0.4	0.4	0.8	0.8	0.7	0.6	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.7
60.	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.7	0.4	0.4	0.3	0.3	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.8
70.	0.0	0.0	0.0	0.0	0.9	0.9	0.6	0.3	0.4	0.4	0.3	0.3	1.1	1.1	0.9	0.9	0.0	0.0	0.0	1.0
80.	0.0	0.0	0.0	0.0	0.6	0.4	0.1	0.0	0.4	0.4	0.3	0.3	1.2	1.0	0.8	0.7	0.0	0.0	0.0	1.7
90.	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.6	0.4	0.3	0.3	0.3	0.1	0.4	1.9
100.	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.5	0.5	0.4	0.4	0.3	0.3	0.6	0.4	0.8	1.1
110.	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.7	0.4	0.4	0.3	0.3	0.6	0.5	0.7	0.5
120.	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.7	0.4	0.4	0.3	0.3	0.5	0.5	0.6	0.3
130.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.8	0.7	0.4	0.4	0.4	0.3	0.5	0.4	0.5	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.8	0.6	0.4	0.4	0.4	0.4	0.4	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.7	0.7	0.6	0.6	0.4	0.5	0.4	0.4	0.6	0.3
160.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.5	0.2
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.1	1.0	0.9	0.8	0.7	0.5	0.5	0.4	0.3	0.5	0.2
180.	0.6	0.5	0.5	0.5	0.3	0.3	0.2	0.2	0.9	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.9	0.7	1.2	0.9
190.	0.9	0.9	0.7	0.7	0.6	0.6	0.4	0.4	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.0	1.5	1.2
200.	0.9	0.8	0.7	0.7	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.2	1.0	1.2	0.9
210.	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.8
220.	0.7	0.7	0.5	0.5	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.8	0.8
230.	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.7	0.6	0.7
240.	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.8
250.	0.9	0.9	0.8	0.7	0.3	0.3	0.3	0.3	0.7	0.6	0.5	0.2	0.0	0.0	0.0	0.0	1.0	1.0	0.9	0.8
260.	1.0	0.9	0.6	0.6	0.3	0.3	0.3	0.3	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.6	1.3	1.6	0.8
270.	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.6	1.8	1.1
280.	0.3	0.3	0.3	0.3	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.5	0.3	1.0	1.5
290.	0.3	0.3	0.3	0.3	0.8	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.4	0.3	0.6	1.6
300.	0.3	0.3	0.3	0.3	0.9	0.8	0.8	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.4	1.6
310.	0.4	0.3	0.3	0.3	0.9	0.9	0.8	0.8	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.4	0.4	1.3
320.	0.4	0.4	0.3	0.3	0.9	0.9	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.4	0.5	1.2
330.	0.4	0.4	0.3	0.3	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6	0.4	0.6	1.2
340.	0.4	0.3	0.2	0.1	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.6	0.6	0.8	1.1
350.	0.2	0.0	0.0	0.0	0.7	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.6	0.3	0.9	1.2
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.0	0.5	0.9
MAX	1.0	0.9	0.8	0.7	0.9	0.9	0.8	0.8	1.3	1.1	1.0	0.9	1.2	1.1	0.9	0.9	1.6	1.3	1.8	1.9
DEGR.	260	190	250	190	310	70	300	310	170	170	170	160	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	0.9	0.6	1.8	0.4	0.1	2.3	0.9	0.5
10.	0.5	0.4	1.7	1.0	0.6	2.2	1.5	1.1
20.	0.5	0.5	1.3	0.9	0.7	1.7	1.4	1.0
30.	0.6	0.5	1.0	0.7	0.6	1.2	1.2	1.0
40.	0.6	0.5	0.9	0.6	0.5	1.0	0.9	0.7
50.	0.7	0.6	0.9	0.6	0.5	1.0	0.9	0.9
60.	0.8	0.7	0.8	0.5	0.5	0.9	0.9	1.0
70.	1.2	1.0	0.9	0.5	0.4	1.2	1.3	1.2
80.	1.7	1.0	0.9	0.5	0.4	2.0	2.0	1.5
90.	0.9	0.2	1.3	1.0	0.5	2.2	1.5	0.8
100.	0.1	0.0	1.8	1.5	0.9	1.3	0.7	0.4
110.	0.0	0.0	1.7	1.5	1.1	0.8	0.6	0.4
120.	0.0	0.0	1.6	1.5	1.3	0.6	0.6	0.6
130.	0.0	0.0	1.5	1.4	1.2	0.7	0.7	0.6
140.	0.0	0.0	1.5	1.4	1.2	0.8	0.7	0.6
150.	0.0	0.0	1.4	1.3	1.2	1.0	0.9	0.7
160.	0.0	0.0	1.6	1.5	1.2	1.3	1.2	0.9
170.	0.0	0.0	2.3	2.0	1.5	2.2	1.6	1.2
180.	0.5	0.4	3.2	1.8	1.2	3.0	1.2	0.8
190.	0.8	0.8	1.4	0.6	0.4	1.1	0.1	0.0
200.	0.7	0.6	0.7	0.5	0.4	0.5	0.0	0.0
210.	0.6	0.5	0.7	0.5	0.5	0.3	0.0	0.0
220.	0.5	0.4	0.6	0.6	0.5	0.2	0.0	0.0
230.	0.4	0.4	0.7	0.7	0.6	0.2	0.0	0.0
240.	0.4	0.3	0.9	0.8	0.7	0.2	0.0	0.0
250.	0.4	0.3	1.1	1.1	0.9	0.2	0.0	0.0
260.	0.4	0.3	1.6	1.5	0.9	0.2	0.0	0.0
270.	0.8	0.3	1.8	0.8	0.2	0.5	0.1	0.1
280.	1.3	0.7	1.1	0.1	0.0	0.9	0.5	0.3
290.	1.4	0.9	0.6	0.0	0.0	0.8	0.6	0.5
300.	1.4	1.0	0.4	0.0	0.0	0.7	0.5	0.5
310.	1.3	1.2	0.3	0.0	0.0	0.7	0.4	0.4
320.	1.1	1.0	0.3	0.0	0.0	0.7	0.4	0.3
330.	1.2	1.0	0.4	0.0	0.0	0.8	0.4	0.3
340.	1.1	1.1	0.5	0.0	0.0	0.8	0.4	0.3
350.	1.2	0.9	1.0	0.0	0.0	1.4	0.3	0.3
360.	0.9	0.6	1.8	0.4	0.1	2.3	0.9	0.5
MAX	1.7	1.2	3.2	2.0	1.5	3.0	2.0	1.5
DEGR.	80	310	180	170	170	180	80	80

THE HIGHEST CONCENTRATION OF 3.20 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station-- W Tropicana and S. Valley View- With Project-EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:45: 2

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_5	* -7.6	152.4	-7.6	-1028.6	* 1181.	180. AG	133.	100.0	0.0	11.0	1.64	196.8
2. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	952.	6.1	0.0	13.4		
3. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2946.	6.1	0.0	17.0		
4. Link_12	* 152.4	7.6	118.2	7.6	* 34.	270. AG	254.	100.0	0.0	18.3	0.89	5.7
5. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2761.	6.1	0.0	17.0		
6. Link_4	* -152.4	-7.6	-138.6	-7.6	* 14.	90. AG	254.	100.0	0.0	18.3	0.54	2.3
7. Link_6	* 7.6	0.0	7.6	152.4	* 152.	360. AG	661.	6.1	0.0	13.4		
8. Link_8	* 7.6	-152.4	7.6	-142.0	* 10.	360. AG	222.	100.0	0.0	18.3	0.40	1.7

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
1. Link_5	* 60	28	2.0	2761	1200	35.50	1	3
4. Link_12	* 60	32	2.0	2146	1200	35.50	1	3
6. Link_4	* 60	32	2.0	1296	1200	35.50	1	3
8. Link_8	* 60	28	2.0	1117	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.0	0.6	0.9
10.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.0	0.9	0.6	0.6	0.4	0.0	0.0	0.2	0.6
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.6	0.5	0.3	0.2	0.9	0.8	0.8	0.6	0.0	0.0	0.1	0.5
30.	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.5	0.5	0.4	0.4	0.8	0.8	0.7	0.6	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.6	0.4	0.4	0.4	0.3	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.7
60.	0.0	0.0	0.0	0.0	0.7	0.6	0.8	0.7	0.4	0.4	0.3	0.3	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.8
70.	0.0	0.0	0.0	0.0	1.0	0.9	0.6	0.3	0.4	0.4	0.3	0.3	1.1	1.1	0.9	0.9	0.0	0.0	0.0	1.0
80.	0.0	0.0	0.0	0.0	0.6	0.4	0.1	0.0	0.4	0.4	0.3	0.3	1.3	1.0	0.8	0.7	0.0	0.0	0.0	1.7
90.	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	0.3	0.3	0.3	0.6	0.4	0.3	0.3	0.3	0.1	0.4	1.9
100.	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.6	0.5	0.4	0.4	0.3	0.3	0.6	0.5	0.8	1.1
110.	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.8	0.4	0.4	0.3	0.3	0.6	0.6	0.7	0.5
120.	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.7	0.4	0.4	0.3	0.3	0.5	0.5	0.6	0.3
130.	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.8	0.7	0.4	0.4	0.4	0.3	0.5	0.4	0.5	0.2
140.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.8	0.6	0.4	0.4	0.4	0.4	0.4	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.6	0.3
160.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.5	0.2
170.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.1	1.0	0.9	0.8	0.7	0.5	0.5	0.4	0.3	0.5	0.2
180.	0.6	0.5	0.5	0.5	0.3	0.3	0.2	0.2	0.9	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.9	0.7	1.2	0.9
190.	0.9	0.9	0.7	0.7	0.6	0.6	0.4	0.4	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.0	1.5	1.2
200.	0.9	0.8	0.7	0.7	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.2	1.0	1.2	0.9
210.	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.8
220.	0.7	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.8	0.8
230.	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.7	0.6	0.7
240.	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.8
250.	0.9	0.9	0.8	0.7	0.3	0.3	0.3	0.3	0.7	0.6	0.5	0.2	0.0	0.0	0.0	0.0	1.0	1.0	0.9	0.8
260.	1.0	0.9	0.6	0.6	0.3	0.3	0.3	0.3	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.6	1.3	1.6	0.8
270.	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.6	1.8	1.1
280.	0.3	0.3	0.3	0.3	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.5	0.3	1.0	1.5
290.	0.3	0.3	0.3	0.3	0.8	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	0.4	0.3	0.6	1.6
300.	0.3	0.3	0.3	0.3	0.9	0.8	0.8	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.4	1.6
310.	0.4	0.3	0.3	0.3	1.0	0.9	0.8	0.8	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.4	0.4	1.4
320.	0.4	0.4	0.3	0.3	0.9	0.9	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.4	0.6	1.2
330.	0.4	0.4	0.3	0.3	0.9	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6	0.4	0.6	1.2
340.	0.4	0.3	0.2	0.1	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.6	0.6	0.8	1.1
350.	0.2	0.1	0.0	0.0	0.7	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.6	0.3	0.9	1.2
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.0	0.6	0.9
MAX	1.0	0.9	0.8	0.7	1.0	0.9	0.8	0.8	1.3	1.1	1.0	0.9	1.3	1.1	0.9	0.9	1.6	1.3	1.8	1.9
DEGR.	260	190	250	190	70	70	60	310	170	170	170	160	80	70	70	70	260	260	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.9	0.6	1.8	0.4	0.1	2.3	0.9	0.5	
10.	*	0.5	0.4	1.7	1.0	0.6	2.2	1.5	1.1	
20.	*	0.5	0.5	1.3	0.9	0.7	1.7	1.4	1.0	
30.	*	0.6	0.5	1.0	0.7	0.6	1.2	1.2	1.0	
40.	*	0.6	0.6	0.9	0.6	0.5	1.0	0.9	0.7	
50.	*	0.7	0.6	0.9	0.6	0.5	1.0	1.0	0.9	
60.	*	0.8	0.7	0.8	0.5	0.5	0.9	0.9	1.0	
70.	*	1.2	1.0	0.9	0.5	0.4	1.2	1.3	1.2	
80.	*	1.7	1.0	0.9	0.5	0.4	2.0	2.0	1.5	
90.	*	0.9	0.2	1.3	1.0	0.5	2.2	1.5	0.8	
100.	*	0.1	0.0	1.8	1.5	0.9	1.3	0.7	0.4	
110.	*	0.0	0.0	1.7	1.5	1.1	0.8	0.6	0.4	
120.	*	0.0	0.0	1.6	1.5	1.3	0.6	0.6	0.6	
130.	*	0.0	0.0	1.5	1.4	1.2	0.7	0.7	0.6	
140.	*	0.0	0.0	1.5	1.4	1.2	0.8	0.7	0.6	
150.	*	0.0	0.0	1.4	1.3	1.2	1.0	0.9	0.7	
160.	*	0.0	0.0	1.6	1.5	1.2	1.3	1.2	0.9	
170.	*	0.0	0.0	2.3	2.0	1.5	2.2	1.6	1.2	
180.	*	0.5	0.4	3.2	1.8	1.2	3.0	1.2	0.8	
190.	*	0.8	0.8	1.4	0.6	0.4	1.1	0.1	0.0	
200.	*	0.7	0.6	0.7	0.5	0.4	0.5	0.0	0.0	
210.	*	0.6	0.5	0.7	0.5	0.5	0.3	0.0	0.0	
220.	*	0.5	0.4	0.6	0.6	0.5	0.2	0.0	0.0	
230.	*	0.4	0.4	0.7	0.7	0.6	0.2	0.0	0.0	
240.	*	0.4	0.3	0.9	0.8	0.7	0.2	0.0	0.0	
250.	*	0.4	0.3	1.1	1.1	0.9	0.2	0.0	0.0	
260.	*	0.5	0.3	1.6	1.5	0.9	0.2	0.0	0.0	
270.	*	0.8	0.3	1.8	0.8	0.2	0.5	0.1	0.1	
280.	*	1.3	0.7	1.1	0.1	0.0	0.9	0.5	0.3	
290.	*	1.4	0.9	0.6	0.0	0.0	0.8	0.6	0.5	
300.	*	1.4	1.0	0.4	0.0	0.0	0.7	0.5	0.5	
310.	*	1.3	1.2	0.3	0.0	0.0	0.7	0.4	0.4	
320.	*	1.1	1.0	0.3	0.0	0.0	0.7	0.4	0.3	
330.	*	1.2	1.0	0.4	0.0	0.0	0.8	0.4	0.3	
340.	*	1.1	1.1	0.5	0.0	0.0	0.8	0.4	0.3	
350.	*	1.2	0.9	1.0	0.0	0.0	1.4	0.3	0.3	
360.	*	0.9	0.6	1.8	0.4	0.1	2.3	0.9	0.5	
MAX	*	1.7	1.2	3.2	2.0	1.5	3.0	2.0	1.5	
DEGR.	*	80	310	180	170	170	180	80	80	

THE HIGHEST CONCENTRATION OF 3.20 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station_- Tropicana and Dean Martin Dr- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:45:28

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-116.1	* 36.	360. AG	273.	100.0	0.0	14.6	0.97	6.1
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	957.	6.1	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	138.0	* 14.	180. AG	341.	100.0	0.0	18.3	0.70	2.4
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	929.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2101.	6.1	0.0	17.0		
6. Link_12	* 152.4	7.6	137.9	7.6	* 15.	270. AG	135.	100.0	0.0	18.3	0.66	2.4
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2606.	6.1	0.0	17.0		
8. Link_4	* -152.4	-7.6	-137.4	-7.6	* 15.	90. AG	108.	100.0	0.0	14.6	0.68	2.5

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
1. Link_2	* 60	43	2.0	1004	1200	35.50	1	3
3. Link_5	* 60	43	2.0	911	1200	35.50	1	3
6. Link_12	* 60	17	2.0	2561	1200	35.50	1	3
8. Link_4	* 60	17	2.0	2117	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.1	0.7	0.9	
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.5	0.5	0.3	0.3	0.0	0.0	0.3	0.5	
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.5	0.4	0.3	0.3	0.0	0.0	0.2	0.4	
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.4	
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.0	0.0	0.1	0.4
50.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.1	0.5	
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.6	
70.	0.0	0.0	0.0	0.0	0.6	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.1	0.7	
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.6	0.5	0.4	0.3	0.0	0.0	0.1	1.1	
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.2	1.3	
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.6	0.8	
110.	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.6	0.4	
120.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.5	0.2	
130.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.3	0.3	0.5	0.1	
140.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.2	0.1	0.2	0.3	0.3	0.3	0.5	0.1	
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.2	
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.5	0.5	0.5	0.3	0.2	0.3	0.3	0.4	0.2	
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.5	0.2	0.1	0.0	0.0	0.3	0.2	0.4	0.3	
180.	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.3	0.7	0.5	
190.	0.5	0.5	0.4	0.4	0.3	0.3	0.1	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.7	0.4	
200.	0.4	0.3	0.3	0.4	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.3	
210.	0.4	0.3	0.3	0.3	0.1	0.1	0.2	0.4	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.4	0.6	0.3	
220.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.4	
230.	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	
240.	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.5	0.0	0.0	0.0	0.0	0.5	0.6	0.6	0.3	
250.	0.7	0.6	0.6	0.5	0.1	0.1	0.1	0.1	0.6	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.4	
260.	0.7	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.3	0.9	1.1	0.4	
270.	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	1.4	0.6	
280.	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.7	1.1	
290.	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.2	0.1	0.4	1.1	
300.	0.1	0.1	0.1	0.1	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.2	0.2	0.2	1.0	
310.	0.1	0.1	0.1	0.1	0.6	0.5	0.6	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.8	
320.	0.2	0.1	0.1	0.1	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.8	
330.	0.2	0.3	0.2	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.6	
340.	0.3	0.3	0.2	0.2	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.6	
350.	0.3	0.1	0.0	0.0	0.6	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.6	0.4	0.6	0.8	
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.1	0.7	0.9	
MAX	0.7	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.7	0.6	0.6	0.5	0.6	0.5	0.5	0.4	1.3	0.9	1.4	1.3	
DEGR.	250	250	250	250	70	300	310	340	160	160	160	130	70	10	70	40	260	260	270	90	

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.7	0.4	0.4	0.1	0.1	0.8	0.4	0.4
10.	*		0.4	0.3	0.4	0.2	0.2	0.9	0.7	0.5
20.	*		0.4	0.3	0.4	0.2	0.2	0.7	0.6	0.5
30.	*		0.4	0.4	0.4	0.2	0.2	0.6	0.7	0.6
40.	*		0.5	0.4	0.4	0.2	0.1	0.5	0.4	0.3
50.	*		0.5	0.4	0.5	0.1	0.1	0.4	0.4	0.4
60.	*		0.6	0.5	0.5	0.1	0.1	0.5	0.4	0.5
70.	*		0.8	0.6	0.4	0.1	0.1	0.6	0.7	0.6
80.	*		1.2	0.6	0.5	0.1	0.1	1.0	1.0	0.8
90.	*		0.6	0.2	0.6	0.4	0.1	1.3	0.8	0.4
100.	*		0.1	0.0	1.1	0.8	0.4	0.7	0.3	0.1
110.	*		0.0	0.0	1.0	1.0	0.6	0.4	0.2	0.1
120.	*		0.0	0.0	1.0	0.9	0.7	0.2	0.2	0.2
130.	*		0.0	0.0	0.8	0.8	0.7	0.2	0.2	0.2
140.	*		0.0	0.0	0.7	0.7	0.7	0.2	0.2	0.2
150.	*		0.0	0.0	0.7	0.7	0.6	0.3	0.3	0.2
160.	*		0.0	0.0	0.6	0.7	0.7	0.5	0.4	0.5
170.	*		0.0	0.0	1.0	1.1	0.9	0.9	0.7	0.4
180.	*		0.2	0.1	1.0	0.8	0.5	0.7	0.2	0.1
190.	*		0.3	0.4	0.6	0.5	0.4	0.3	0.0	0.0
200.	*		0.2	0.3	0.4	0.5	0.4	0.2	0.0	0.0
210.	*		0.2	0.1	0.4	0.5	0.5	0.1	0.0	0.0
220.	*		0.1	0.1	0.5	0.6	0.5	0.1	0.0	0.0
230.	*		0.1	0.1	0.6	0.6	0.5	0.1	0.0	0.0
240.	*		0.1	0.1	0.7	0.7	0.6	0.1	0.0	0.0
250.	*		0.1	0.1	0.9	1.0	0.7	0.1	0.0	0.0
260.	*		0.1	0.1	1.4	1.3	0.7	0.1	0.0	0.0
270.	*		0.3	0.1	1.6	0.8	0.2	0.2	0.0	0.0
280.	*		0.9	0.4	0.9	0.1	0.0	0.7	0.4	0.2
290.	*		1.0	0.7	0.5	0.0	0.0	0.7	0.5	0.4
300.	*		1.0	0.7	0.3	0.0	0.0	0.6	0.5	0.4
310.	*		0.8	0.6	0.2	0.0	0.0	0.6	0.4	0.4
320.	*		0.6	0.7	0.2	0.0	0.0	0.5	0.4	0.3
330.	*		0.6	0.6	0.2	0.0	0.0	0.5	0.4	0.3
340.	*		0.6	0.5	0.2	0.0	0.0	0.5	0.4	0.3
350.	*		0.9	0.7	0.2	0.0	0.0	0.6	0.3	0.3
360.	*		0.7	0.4	0.4	0.1	0.1	0.8	0.4	0.4
MAX	*		1.2	0.7	1.6	1.3	0.9	1.3	1.0	0.8
DEGR.	*		80	300	270	260	170	90	80	80

THE HIGHEST CONCENTRATION OF 1.60 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station_- Tropicana and Dean Martin Dr- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:45:51

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	-116.6	* 36.	360. AG	267.	100.0	0.0	14.6	0.95	6.0
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1019.	6.1	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	138.3	* 14.	180. AG	333.	100.0	0.0	18.3	0.68	2.4
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	963.	6.1	0.0	13.4		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2101.	6.1	0.0	17.0		
6. Link_12	* 152.4	7.6	137.0	7.6	* 15.	270. AG	143.	100.0	0.0	18.3	0.68	2.6
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2628.	6.1	0.0	17.0		
8. Link_4	* -152.4	-7.6	-136.5	-7.6	* 16.	90. AG	114.	100.0	0.0	14.6	0.70	2.6

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
1. Link_2	* 60	42	2.0	1071	1200	35.50	1	3
3. Link_5	* 60	42	2.0	945	1200	35.50	1	3
6. Link_12	* 60	18	2.0	2578	1200	35.50	1	3
8. Link_4	* 60	18	2.0	2117	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.1	0.7	0.9	
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.5	0.5	0.3	0.3	0.0	0.0	0.4	0.5
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.2	0.1	0.2	0.5	0.5	0.3	0.3	0.0	0.0	0.2	0.4	
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.2	0.5	0.3	0.3	0.3	0.0	0.0	0.1	0.4	
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.0	0.0	0.1	0.4
50.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.1	0.5	
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.1	0.6	
70.	0.0	0.0	0.0	0.0	0.6	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.0	0.0	0.1	0.7	
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.6	0.5	0.4	0.3	0.0	0.0	0.1	1.2	
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.3	1.3	
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.6	0.8	
110.	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.6	0.4	
120.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.5	0.2	
130.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.3	0.3	0.5	0.1	
140.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.2	0.1	0.2	0.3	0.3	0.3	0.5	0.1	
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.2	
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.5	0.5	0.3	0.2	0.3	0.3	0.4	0.2	
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.5	0.2	0.1	0.0	0.0	0.3	0.2	0.4	0.2	
180.	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.3	0.7	0.5	
190.	0.5	0.5	0.4	0.3	0.3	0.3	0.1	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.4	0.7	0.4	
200.	0.4	0.3	0.3	0.4	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.5	0.7	0.3	
210.	0.4	0.3	0.3	0.3	0.1	0.1	0.2	0.4	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.3	
220.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.4	
230.	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	
240.	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.5	0.0	0.0	0.0	0.0	0.5	0.6	0.6	0.4	
250.	0.7	0.6	0.6	0.5	0.1	0.1	0.1	0.1	0.6	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.7	0.4	
260.	0.7	0.6	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.3	1.0	1.2	0.4	
270.	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	1.5	0.6	
280.	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.2	0.8	1.1	
290.	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.2	0.2	0.4	1.1	
300.	0.2	0.1	0.1	0.1	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.2	0.2	0.2	1.0	
310.	0.2	0.1	0.1	0.1	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.8	
320.	0.2	0.2	0.1	0.1	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.8	
330.	0.2	0.3	0.3	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.2	0.3	0.6	
340.	0.3	0.3	0.2	0.2	0.5	0.5	0.4	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.4	0.4	0.6	
350.	0.3	0.1	0.0	0.0	0.6	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.6	0.4	0.6	0.8	
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.1	0.7	0.9	
MAX	0.7	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.4	1.3	1.0	1.5	1.3	
DEGR.	250	250	250	250	70	300	310	310	160	160	160	160	70	10	70	40	260	260	270	90	

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.7	0.4	0.4	0.1	0.1	0.8	0.4	0.4
10.	*		0.4	0.3	0.4	0.2	0.2	0.9	0.6	0.5
20.	*		0.4	0.3	0.5	0.2	0.2	0.8	0.6	0.5
30.	*		0.4	0.4	0.4	0.2	0.2	0.6	0.7	0.6
40.	*		0.5	0.4	0.4	0.2	0.2	0.5	0.4	0.3
50.	*		0.5	0.4	0.5	0.1	0.1	0.4	0.4	0.4
60.	*		0.6	0.5	0.5	0.1	0.1	0.5	0.4	0.5
70.	*		0.8	0.6	0.5	0.1	0.1	0.6	0.7	0.6
80.	*		1.2	0.6	0.5	0.1	0.1	1.0	1.0	0.8
90.	*		0.6	0.2	0.6	0.4	0.1	1.3	0.8	0.4
100.	*		0.1	0.0	1.1	0.8	0.4	0.7	0.3	0.1
110.	*		0.0	0.0	1.0	1.0	0.6	0.4	0.2	0.2
120.	*		0.0	0.0	1.0	0.9	0.7	0.2	0.2	0.2
130.	*		0.0	0.0	0.8	0.9	0.8	0.2	0.2	0.2
140.	*		0.0	0.0	0.7	0.7	0.8	0.2	0.2	0.2
150.	*		0.0	0.0	0.7	0.7	0.6	0.3	0.3	0.2
160.	*		0.0	0.0	0.6	0.7	0.7	0.4	0.5	0.5
170.	*		0.0	0.0	1.0	1.1	0.9	0.9	0.7	0.5
180.	*		0.2	0.1	1.0	0.8	0.5	0.8	0.2	0.1
190.	*		0.3	0.4	0.6	0.5	0.4	0.3	0.0	0.0
200.	*		0.2	0.3	0.4	0.5	0.4	0.2	0.0	0.0
210.	*		0.2	0.2	0.4	0.5	0.5	0.1	0.0	0.0
220.	*		0.2	0.1	0.5	0.6	0.5	0.1	0.0	0.0
230.	*		0.1	0.1	0.6	0.6	0.5	0.1	0.0	0.0
240.	*		0.1	0.1	0.7	0.8	0.6	0.1	0.0	0.0
250.	*		0.1	0.1	0.9	1.0	0.7	0.1	0.0	0.0
260.	*		0.1	0.1	1.4	1.3	0.7	0.1	0.0	0.0
270.	*		0.3	0.1	1.6	0.8	0.2	0.2	0.0	0.0
280.	*		0.9	0.4	0.9	0.1	0.0	0.7	0.4	0.2
290.	*		1.0	0.7	0.5	0.0	0.0	0.7	0.6	0.5
300.	*		1.0	0.7	0.3	0.0	0.0	0.6	0.5	0.4
310.	*		0.8	0.6	0.2	0.0	0.0	0.6	0.4	0.4
320.	*		0.7	0.7	0.2	0.0	0.0	0.5	0.4	0.3
330.	*		0.6	0.6	0.2	0.0	0.0	0.5	0.4	0.3
340.	*		0.6	0.5	0.2	0.0	0.0	0.5	0.4	0.3
350.	*		0.9	0.7	0.2	0.0	0.0	0.6	0.3	0.3
360.	*		0.7	0.4	0.4	0.1	0.1	0.8	0.4	0.4
MAX	*		1.2	0.7	1.6	1.3	0.9	1.3	1.0	0.8
DEGR.	*		80	300	270	260	170	90	80	80

THE HIGHEST CONCENTRATION OF 1.60 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station- Tropicana and I-15 NB ramps- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:46:55

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
	*	X1	Y1	X2	Y2	*								
1. Link_5	*	-7.6	0.0	-7.6	152.4	*	152.	360. AG	2322.	6.1	0.0	13.4		
2. Link_7	*	-7.6	-152.4	-7.6	1573.7	*	1726.	360. AG	205.	100.0	0.0	11.0	3.05	287.7
3. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	1787.	6.1	0.0	17.0		
4. Link_12	*	152.4	7.6	136.9	7.6	*	15.	270. AG	189.	100.0	0.0	22.6	0.70	2.6
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	4043.	6.1	0.0	24.3		
6. Link_4	*	-152.4	-7.6	-138.6	-7.6	*	14.	90. AG	108.	100.0	0.0	18.3	0.62	2.3

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. Link_7	*	60	43	2.0	2378	1200	35.50	1	3
4. Link_12	*	60	17	2.0	3826	1200	35.50	1	3
6. Link_4	*	60	17	2.0	1948	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	* 0.6	0.5	0.4	0.4	0.8	0.7	0.6	0.6	0.9	0.7	0.6	0.5	1.4	1.3	1.0	0.9	0.8	0.7	1.1	1.4
10.	* 0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.5	1.2	1.0	0.8	2.0	1.8	1.6	1.4	0.0	0.0	0.0	0.3
20.	* 0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.3	1.1	0.9	0.8	1.8	1.6	1.4	1.4	0.0	0.0	0.0	0.3
30.	* 0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.0	1.0	0.8	0.8	1.3	1.3	1.2	1.2	0.0	0.0	0.0	0.3
40.	* 0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.9	0.8	0.7	0.7	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.3
50.	* 0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.4
60.	* 0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.3	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.5
70.	* 0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.1	0.8	0.7	0.6	0.5	0.9	0.8	0.6	0.6	0.0	0.0	0.0	0.6
80.	* 0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.7	0.7	0.7	0.5	0.8	0.7	0.6	0.5	0.0	0.0	0.0	1.0
90.	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.5	0.5	0.4	0.3	0.3	0.1	0.0	0.2	1.1
100.	* 0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.6	0.4	0.4	0.4	0.3	0.4	0.2	0.4	0.6
110.	* 0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	1.2	1.0	0.8	0.7	0.5	0.4	0.3	0.3	0.4	0.3	0.5	0.3
120.	* 0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.1	1.0	0.9	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.2
130.	* 0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.5	1.4	1.2	1.2	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.1
140.	* 0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.5	1.4	1.2	1.0	0.5	0.5	0.4	0.4	0.2	0.2	0.3	0.1
150.	* 0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.3	1.0	1.0	0.6	0.5	0.5	0.4	0.3	0.2	0.3	0.2
160.	* 0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.2	1.1	1.0	0.7	0.6	0.4	0.3	0.2	0.2	0.3	0.1
170.	* 0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.0	0.9	0.7	0.5	0.2	0.1	0.0	0.2	0.2	0.3	0.1
180.	* 0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.4	0.1	0.0	0.0	0.0	0.3	0.2	0.5	0.2
190.	* 0.5	0.4	0.3	0.3	0.1	0.1	0.0	0.0	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.8	0.6	1.1	0.8
200.	* 0.7	0.7	0.6	0.6	0.4	0.3	0.1	0.0	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.9	0.8	1.0	0.9
210.	* 0.7	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.8	0.7	0.9	0.8
220.	* 0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.3	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.7
230.	* 0.8	0.7	0.7	0.7	0.4	0.4	0.3	0.3	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.9	0.7	0.9	0.7
240.	* 1.1	1.0	1.0	1.0	0.4	0.4	0.3	0.3	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	1.1	1.1	1.2	0.7
250.	* 1.4	1.3	1.2	1.2	0.3	0.3	0.3	0.3	0.9	0.7	0.6	0.3	0.0	0.0	0.0	0.0	1.5	1.6	1.6	0.7
260.	* 1.5	1.2	1.0	0.9	0.3	0.3	0.3	0.3	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0	2.1	2.0	2.2	0.7
270.	* 0.8	0.6	0.6	0.5	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.3	2.5	1.2
280.	* 0.5	0.5	0.5	0.5	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	1.0	0.7	1.8	2.0
290.	* 0.5	0.5	0.5	0.5	1.0	1.0	0.8	0.8	0.0	0.0	0.0	0.0	0.5	0.4	0.2	0.1	0.7	0.7	1.3	1.9
300.	* 0.6	0.5	0.5	0.5	1.1	1.1	0.8	0.8	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.7	0.7	1.1	1.8
310.	* 0.7	0.6	0.5	0.5	1.3	1.2	0.9	0.9	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.8	0.7	1.0	1.7
320.	* 0.7	0.7	0.7	0.5	1.3	1.1	1.0	0.9	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.9	0.8	1.0	1.8
330.	* 0.8	0.7	0.6	0.6	1.2	1.2	0.9	0.9	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	1.0	0.9	1.2	1.8
340.	* 0.9	0.7	0.6	0.5	1.2	1.2	1.0	1.0	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	1.2	1.0	1.4	1.8
350.	* 0.9	0.8	0.7	0.7	1.2	1.2	1.0	1.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	1.3	1.1	1.7	2.1
360.	* 0.6	0.5	0.4	0.4	0.8	0.7	0.6	0.6	0.9	0.7	0.6	0.5	1.4	1.3	1.0	0.9	0.8	0.7	1.1	1.4
MAX	* 1.5	1.3	1.2	1.2	1.3	1.2	1.0	1.0	1.5	1.4	1.2	1.2	2.0	1.8	1.6	1.4	2.1	2.0	2.5	2.1
DEGR.	* 260	250	250	250	310	310	320	340	10	140	130	130	10	10	10	10	260	260	270	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		1.2	1.0	5.6	2.3	1.4	5.5	2.9	1.9
10.	*		0.3	0.3	4.1	2.8	1.9	4.0	3.2	2.5
20.	*		0.3	0.3	2.6	2.2	1.5	2.4	2.3	2.0
30.	*		0.3	0.3	2.2	1.7	1.2	1.6	1.6	1.4
40.	*		0.4	0.3	1.7	1.5	1.0	1.1	1.1	0.9
50.	*		0.4	0.4	1.7	1.3	0.9	0.9	0.9	0.7
60.	*		0.5	0.4	1.5	1.3	1.0	1.0	0.9	0.8
70.	*		0.7	0.6	1.4	1.2	0.9	0.9	1.0	0.9
80.	*		1.0	0.6	1.4	1.4	0.8	1.4	1.4	1.2
90.	*		0.5	0.1	1.6	1.8	0.9	1.5	1.1	0.7
100.	*		0.1	0.0	1.9	1.9	1.2	1.0	0.7	0.5
110.	*		0.0	0.0	2.0	2.0	1.6	0.7	0.6	0.5
120.	*		0.0	0.0	2.1	2.1	1.8	0.7	0.7	0.6
130.	*		0.0	0.0	2.0	2.2	1.7	0.7	0.7	0.5
140.	*		0.0	0.0	2.1	2.3	1.8	0.8	0.8	0.6
150.	*		0.0	0.0	2.2	2.1	1.6	1.1	0.9	0.7
160.	*		0.0	0.0	2.4	2.2	1.6	1.4	1.2	0.9
170.	*		0.0	0.0	3.1	2.3	1.6	2.2	1.4	0.9
180.	*		0.0	0.0	3.5	1.5	1.0	2.5	0.7	0.2
190.	*		0.4	0.2	2.2	0.8	0.6	1.2	0.0	0.0
200.	*		0.7	0.5	1.4	0.7	0.6	0.5	0.0	0.0
210.	*		0.6	0.5	1.1	0.8	0.7	0.2	0.0	0.0
220.	*		0.5	0.5	1.1	0.8	0.7	0.2	0.0	0.0
230.	*		0.5	0.4	1.1	0.9	0.8	0.2	0.0	0.0
240.	*		0.4	0.4	1.1	1.1	1.0	0.1	0.0	0.0
250.	*		0.4	0.4	1.4	1.4	1.3	0.1	0.0	0.0
260.	*		0.4	0.4	1.9	1.9	1.3	0.1	0.0	0.0
270.	*		0.7	0.5	2.3	1.7	0.5	0.5	0.1	0.0
280.	*		1.4	1.0	1.5	0.7	0.0	1.2	0.6	0.3
290.	*		1.6	1.3	1.0	0.3	0.0	1.2	0.9	0.7
300.	*		1.5	1.4	0.7	0.2	0.0	1.0	0.8	0.7
310.	*		1.6	1.4	0.7	0.1	0.0	1.0	0.7	0.6
320.	*		1.6	1.4	0.6	0.1	0.0	0.9	0.6	0.5
330.	*		1.5	1.3	0.7	0.1	0.0	0.8	0.6	0.5
340.	*		1.5	1.3	1.3	0.1	0.0	1.2	0.5	0.5
350.	*		1.7	1.5	2.5	0.2	0.0	2.4	0.6	0.5
360.	*		1.2	1.0	5.6	2.3	1.4	5.5	2.9	1.9
MAX	*		1.7	1.5	5.6	2.8	1.9	5.5	3.2	2.5
DEGR.	*		350	350	0	10	10	0	10	10

THE HIGHEST CONCENTRATION OF 5.60 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station- Tropicana and I-15 NB ramps- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:47:16

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
1. Link_5	*	-7.6	0.0	-7.6	152.4	*	152.	360. AG	2344.	6.1	0.0	13.4		
2. Link_7	*	-7.6	-152.4	-7.6	1573.7	*	1726.	360. AG	205.	100.0	0.0	11.0	3.05 287.7	
3. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	1787.	6.1	0.0	17.0		
4. Link_12	*	152.4	7.6	136.9	7.6	*	15.	270. AG	189.	100.0	0.0	22.6	0.70 2.6	
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	4043.	6.1	0.0	24.3		
6. Link_4	*	-152.4	-7.6	-138.5	-7.6	*	14.	90. AG	108.	100.0	0.0	18.3	0.63 2.3	

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
4. Link_12	*	60	17	2.0	3826	1200	35.50	1	3
6. Link_4	*	60	17	2.0	1970	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.6	0.5	0.4	0.4	0.8	0.7	0.6	0.6	0.9	0.7	0.6	0.5	1.4	1.3	1.0	0.9	0.8	0.7	1.1	1.4
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.5	1.2	1.0	0.8	2.0	1.8	1.6	1.4	0.0	0.0	0.0	0.3
20.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.3	1.1	0.9	0.8	1.8	1.6	1.4	1.4	0.0	0.0	0.0	0.3
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.0	1.0	0.9	0.8	1.3	1.3	1.2	1.2	0.0	0.0	0.0	0.3
40.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.9	0.8	0.7	0.7	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.3
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.4
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.3	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.5
70.	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.1	0.8	0.7	0.6	0.5	0.9	0.8	0.6	0.6	0.0	0.0	0.0	0.6
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.7	0.7	0.7	0.5	0.8	0.7	0.6	0.5	0.0	0.0	0.0	1.0
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.1	0.0	0.2	1.1
100.	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.6	0.4	0.4	0.4	0.3	0.4	0.2	0.4	0.6
110.	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	1.2	1.0	0.8	0.7	0.5	0.4	0.3	0.3	0.4	0.3	0.5	0.3
120.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.1	1.0	0.9	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.2
130.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.5	1.4	1.2	1.2	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.1
140.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.5	1.4	1.2	1.0	0.5	0.5	0.4	0.4	0.2	0.2	0.3	0.1
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.3	1.0	1.0	0.6	0.5	0.5	0.4	0.3	0.2	0.3	0.2
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.2	1.1	1.0	0.7	0.6	0.4	0.3	0.2	0.2	0.3	0.1
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.0	0.9	0.7	0.5	0.2	0.1	0.0	0.2	0.2	0.3	0.1
180.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.4	0.1	0.0	0.0	0.0	0.3	0.2	0.5	0.2
190.	0.5	0.4	0.3	0.3	0.1	0.1	0.0	0.0	0.5	0.5	0.5	0.4	0.0	0.0	0.0	0.0	0.8	0.6	1.1	0.8
200.	0.7	0.7	0.6	0.6	0.4	0.3	0.1	0.0	0.6	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.9	0.8	1.0	0.9
210.	0.7	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.6	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.8	0.7	0.9	0.8
220.	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.3	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.7
230.	0.8	0.7	0.7	0.7	0.4	0.4	0.3	0.3	0.7	0.6	0.6	0.5	0.0	0.0	0.0	0.0	0.9	0.7	0.9	0.7
240.	1.1	1.0	1.0	1.0	0.4	0.4	0.3	0.3	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	1.1	1.1	1.2	0.7
250.	1.4	1.3	1.2	1.2	0.3	0.3	0.3	0.3	0.9	0.7	0.6	0.3	0.0	0.0	0.0	0.0	1.5	1.6	1.6	0.7
260.	1.5	1.2	1.0	0.9	0.3	0.3	0.3	0.3	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0	2.1	2.0	2.2	0.7
270.	0.8	0.6	0.6	0.5	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.3	2.5	1.2
280.	0.5	0.5	0.5	0.5	0.7	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	1.0	0.7	1.8	2.0
290.	0.5	0.5	0.5	0.5	1.0	1.0	0.8	0.8	0.0	0.0	0.0	0.0	0.5	0.4	0.2	0.1	0.7	0.7	1.4	1.9
300.	0.6	0.5	0.5	0.5	1.1	1.1	0.8	0.8	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.3	0.7	0.7	1.1	1.8
310.	0.7	0.6	0.5	0.5	1.3	1.2	0.9	0.9	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.4	0.8	0.7	1.0	1.7
320.	0.7	0.7	0.7	0.5	1.3	1.1	1.0	0.9	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.9	0.8	1.0	1.8
330.	0.8	0.7	0.6	0.6	1.2	1.2	0.9	0.9	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	1.0	0.9	1.2	1.8
340.	0.9	0.7	0.6	0.5	1.2	1.2	1.0	1.0	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	1.2	1.0	1.4	1.8
350.	0.9	0.8	0.7	0.7	1.2	1.2	1.0	1.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	1.3	1.1	1.7	2.1
360.	0.6	0.5	0.4	0.4	0.8	0.7	0.6	0.6	0.9	0.7	0.6	0.5	1.4	1.3	1.0	0.9	0.8	0.7	1.1	1.4
MAX	1.5	1.3	1.2	1.2	1.3	1.2	1.0	1.0	1.5	1.4	1.2	1.2	2.0	1.8	1.6	1.4	2.1	2.0	2.5	2.1
DEGR.	260	250	250	250	310	310	320	340	10	140	130	130	10	10	10	10	260	260	270	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.2	1.0	5.6	2.3	1.4	5.5	2.9	2.0	
10.	*	0.3	0.3	4.1	2.8	1.9	4.0	3.2	2.5	
20.	*	0.3	0.3	2.6	2.2	1.5	2.4	2.3	2.0	
30.	*	0.3	0.3	2.2	1.7	1.2	1.6	1.6	1.4	
40.	*	0.4	0.3	1.7	1.5	1.1	1.1	1.1	0.9	
50.	*	0.4	0.4	1.7	1.3	0.9	0.9	0.9	0.7	
60.	*	0.5	0.4	1.5	1.3	1.0	1.0	0.9	0.8	
70.	*	0.7	0.6	1.4	1.2	0.9	0.9	1.0	0.9	
80.	*	1.0	0.6	1.4	1.4	0.8	1.4	1.4	1.2	
90.	*	0.5	0.1	1.6	1.8	0.9	1.5	1.1	0.7	
100.	*	0.1	0.0	1.9	1.9	1.2	1.0	0.7	0.5	
110.	*	0.0	0.0	2.0	2.0	1.6	0.7	0.6	0.5	
120.	*	0.0	0.0	2.1	2.2	1.8	0.7	0.7	0.6	
130.	*	0.0	0.0	2.0	2.2	1.7	0.7	0.7	0.5	
140.	*	0.0	0.0	2.1	2.3	1.8	0.8	0.8	0.6	
150.	*	0.0	0.0	2.2	2.1	1.6	1.1	0.9	0.7	
160.	*	0.0	0.0	2.4	2.2	1.6	1.4	1.2	0.9	
170.	*	0.0	0.0	3.1	2.3	1.6	2.2	1.4	0.9	
180.	*	0.0	0.0	3.5	1.5	1.0	2.5	0.7	0.2	
190.	*	0.4	0.2	2.2	0.8	0.6	1.2	0.0	0.0	
200.	*	0.7	0.5	1.4	0.7	0.6	0.5	0.0	0.0	
210.	*	0.6	0.5	1.1	0.8	0.7	0.2	0.0	0.0	
220.	*	0.5	0.5	1.1	0.8	0.7	0.2	0.0	0.0	
230.	*	0.5	0.4	1.1	0.9	0.8	0.2	0.0	0.0	
240.	*	0.4	0.4	1.1	1.1	1.0	0.1	0.0	0.0	
250.	*	0.4	0.4	1.4	1.4	1.3	0.1	0.0	0.0	
260.	*	0.4	0.4	1.9	1.9	1.3	0.1	0.0	0.0	
270.	*	0.7	0.5	2.3	1.7	0.5	0.5	0.1	0.0	
280.	*	1.4	1.0	1.5	0.7	0.0	1.2	0.6	0.3	
290.	*	1.6	1.3	1.0	0.3	0.0	1.2	0.9	0.7	
300.	*	1.5	1.4	0.7	0.2	0.0	1.0	0.8	0.7	
310.	*	1.6	1.4	0.7	0.1	0.0	1.0	0.7	0.6	
320.	*	1.6	1.4	0.6	0.1	0.0	0.9	0.6	0.5	
330.	*	1.5	1.3	0.7	0.1	0.0	0.8	0.6	0.5	
340.	*	1.5	1.3	1.3	0.1	0.0	1.2	0.5	0.5	
350.	*	1.7	1.5	2.6	0.2	0.0	2.4	0.6	0.5	
360.	*	1.2	1.0	5.6	2.3	1.4	5.5	2.9	2.0	
MAX	*	1.7	1.5	5.6	2.8	1.9	5.5	3.2	2.5	
DEGR.	*	350	350	0	10	10	0	10	10	

THE HIGHEST CONCENTRATION OF 5.60 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station- Circulation/ Aldebaran and W. Hacienda- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:47:41

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	226.6	* 379.	360. AG	86.	100.0	0.0	3.7	3.75	63.2
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	154.	6.1	0.0	9.7		
3. Link_5	* -7.6	152.4	-7.6	151.1	* 1.	180. AG	86.	100.0	0.0	3.7	0.35	0.2
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	12.	6.1	0.0	9.7		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	1246.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	145.9	7.6	* 6.	270. AG	29.	100.0	0.0	11.0	0.65	1.1
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	1973.	6.1	0.0	13.4		
8. Link_4	* -152.4	-7.6	-148.2	-7.6	* 4.	90. AG	29.	100.0	0.0	11.0	0.42	0.7

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
1. Link_2	* 60	54	2.0	150	1200	35.50	1	3
3. Link_5	* 60	54	2.0	14	1200	35.50	1	3
6. Link_12	* 60	6	2.0	1952	1200	35.50	1	3
8. Link_4	* 60	6	2.0	1269	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.1	0.0	0.0	0.0	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.1	0.9	1.1
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.1	0.3
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.2
30.	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.2
40.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3
50.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3
60.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.4
70.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.5
80.	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.7
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.9
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.3	0.5
110.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.2
120.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.1
130.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
140.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.1	0.1	0.0	0.0	0.2	0.1	0.2	0.1
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.3	0.2
180.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.2	0.9	0.8
190.	0.3	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.4	1.1	1.0
200.	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.4	0.8	0.7
210.	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.6
220.	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.5
230.	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5
240.	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.5	0.5	0.4
250.	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.5
260.	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.8	1.1	0.5
270.	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	1.4	0.6
280.	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.2	0.7	1.0
290.	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.2	0.2	0.4	1.0
300.	0.1	0.1	0.1	0.1	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.3	1.0
310.	0.2	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.4	1.0
320.	0.2	0.2	0.1	0.1	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.4	0.8
330.	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.6	0.8
340.	0.3	0.2	0.2	0.2	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.3	0.7	0.8
350.	0.3	0.2	0.1	0.1	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.6	0.4	1.0	1.2
360.	0.1	0.0	0.0	0.0	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.1	0.9	1.1
MAX	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.0	0.8	1.4	1.2
DEGR.	250	250	240	250	300	310	290	310	140	120	130	140	10	20	20	20	260	260	270	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.5	0.4	0.2	0.0	0.0	0.4	0.3	0.2
10.	*	0.2	0.2	0.4	0.2	0.2	0.6	0.5	0.4
20.	*	0.2	0.2	0.4	0.2	0.2	0.6	0.5	0.4
30.	*	0.2	0.2	0.3	0.2	0.2	0.4	0.4	0.4
40.	*	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.3
50.	*	0.3	0.2	0.3	0.2	0.1	0.2	0.3	0.2
60.	*	0.4	0.3	0.4	0.1	0.1	0.3	0.3	0.3
70.	*	0.5	0.3	0.4	0.1	0.1	0.3	0.4	0.4
80.	*	0.6	0.3	0.4	0.1	0.1	0.6	0.6	0.5
90.	*	0.3	0.1	0.6	0.1	0.1	0.9	0.4	0.2
100.	*	0.0	0.0	0.7	0.4	0.3	0.4	0.1	0.1
110.	*	0.0	0.0	0.8	0.7	0.4	0.2	0.1	0.1
120.	*	0.0	0.0	0.9	0.7	0.5	0.2	0.1	0.1
130.	*	0.0	0.0	0.8	0.8	0.6	0.2	0.2	0.1
140.	*	0.0	0.0	0.7	0.7	0.6	0.2	0.2	0.2
150.	*	0.0	0.0	0.7	0.6	0.5	0.2	0.2	0.2
160.	*	0.0	0.0	0.6	0.6	0.5	0.3	0.2	0.2
170.	*	0.0	0.0	0.6	0.6	0.4	0.2	0.1	0.1
180.	*	0.2	0.1	0.4	0.4	0.3	0.0	0.0	0.0
190.	*	0.5	0.3	0.3	0.4	0.3	0.0	0.0	0.0
200.	*	0.4	0.3	0.3	0.4	0.3	0.0	0.0	0.0
210.	*	0.3	0.2	0.4	0.4	0.3	0.0	0.0	0.0
220.	*	0.3	0.2	0.4	0.4	0.3	0.0	0.0	0.0
230.	*	0.2	0.2	0.4	0.5	0.4	0.0	0.0	0.0
240.	*	0.2	0.2	0.6	0.6	0.4	0.0	0.0	0.0
250.	*	0.2	0.2	0.8	0.7	0.5	0.0	0.0	0.0
260.	*	0.2	0.2	1.2	0.9	0.5	0.0	0.0	0.0
270.	*	0.3	0.2	1.4	0.4	0.1	0.1	0.0	0.0
280.	*	0.7	0.4	0.7	0.0	0.0	0.4	0.3	0.1
290.	*	0.8	0.6	0.3	0.0	0.0	0.5	0.4	0.3
300.	*	0.7	0.6	0.2	0.0	0.0	0.4	0.4	0.3
310.	*	0.8	0.6	0.1	0.0	0.0	0.4	0.3	0.3
320.	*	0.8	0.6	0.1	0.0	0.0	0.3	0.3	0.3
330.	*	0.6	0.4	0.1	0.0	0.0	0.3	0.3	0.2
340.	*	0.6	0.5	0.1	0.0	0.0	0.3	0.3	0.2
350.	*	0.8	0.6	0.1	0.0	0.0	0.3	0.2	0.2
360.	*	0.5	0.4	0.2	0.0	0.0	0.4	0.3	0.2
MAX	*	0.8	0.6	1.4	0.9	0.6	0.9	0.6	0.5
DEGR.	*	290	290	270	260	130	90	80	80

THE HIGHEST CONCENTRATION OF 1.40 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030South_station- Circulation/ Aldebaran and W. Hacienda- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8

TIME : 15:48: 4

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_2	*	7.6	-152.4	7.6	283.1	*	436.	360. AG	86.	100.0	0.0	3.7	4.18	72.6
2. Link_3	*	7.6	0.0	7.6	152.4	*	152.	360. AG	154.	6.1	0.0	9.7		
3. Link_5	*	-7.6	152.4	-7.6	151.1	*	1.	180. AG	86.	100.0	0.0	3.7	0.35	0.2
4. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	12.	6.1	0.0	9.7		
5. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	1509.	6.1	0.0	13.4		
6. Link_12	*	152.4	7.6	145.5	7.6	*	7.	270. AG	29.	100.0	0.0	11.0	0.69	1.2
7. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2106.	6.1	0.0	13.4		
8. Link_4	*	-152.4	-7.6	-147.4	-7.6	*	5.	90. AG	29.	100.0	0.0	11.0	0.50	0.8

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)		
1. Link_2	*	60	54	2.0	167	1200	35.50	1	3
3. Link_5	*	60	54	2.0	14	1200	35.50	1	3
6. Link_12	*	60	6	2.0	2085	1200	35.50	1	3
8. Link_4	*	60	6	2.0	1515	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.1	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.9	1.1
10.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.1	0.4
20.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.3
30.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.3
40.	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3
50.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.3
60.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.5
70.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.6
80.	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.9
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	1.0
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.3	0.5
110.	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.4	0.3
120.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.3	0.1
130.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.1
140.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1
150.	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1
160.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.3	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.1
170.	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.2
180.	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.9	0.8
190.	0.4	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.7	0.5	1.1	1.0
200.	0.5	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.5	0.8	0.7
210.	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.6	0.6
220.	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.5
230.	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.5
240.	0.4	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4
250.	0.6	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.5
260.	0.6	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.1	0.9	1.2	0.6
270.	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	1.4	0.7
280.	0.1	0.1	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.2	0.7	1.1
290.	0.1	0.1	0.1	0.1	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.2	0.2	0.4	1.1
300.	0.1	0.1	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.3	1.0
310.	0.2	0.1	0.1	0.1	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.2	0.2	0.4	1.1
320.	0.2	0.2	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.3	0.2	0.4	1.0
330.	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.6	1.0
340.	0.3	0.2	0.2	0.2	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.3	0.7	0.9
350.	0.3	0.2	0.2	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.6	0.4	1.0	1.3
360.	0.1	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.9	1.1
MAX	0.6	0.5	0.5	0.4	0.6	0.6	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	1.1	0.9	1.4	1.3
DEGR.	250	250	250	240	310	310	290	300	130	130	130	140	10	10	20	20	260	260	270	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.4	0.2	0.1	0.0	0.4	0.4	0.3
10.	*	0.3	0.2	0.4	0.3	0.2	0.7	0.6	0.4
20.	*	0.3	0.2	0.4	0.2	0.2	0.6	0.5	0.4
30.	*	0.3	0.3	0.3	0.2	0.2	0.4	0.4	0.4
40.	*	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3
50.	*	0.4	0.3	0.3	0.2	0.1	0.3	0.3	0.2
60.	*	0.4	0.3	0.4	0.1	0.1	0.3	0.3	0.3
70.	*	0.6	0.4	0.4	0.1	0.1	0.4	0.5	0.5
80.	*	0.7	0.4	0.5	0.1	0.1	0.7	0.7	0.6
90.	*	0.3	0.1	0.7	0.1	0.1	1.0	0.5	0.3
100.	*	0.0	0.0	0.9	0.5	0.3	0.4	0.1	0.1
110.	*	0.0	0.0	0.9	0.7	0.5	0.2	0.1	0.1
120.	*	0.0	0.0	1.0	0.8	0.5	0.2	0.1	0.1
130.	*	0.0	0.0	1.0	0.8	0.6	0.2	0.2	0.1
140.	*	0.0	0.0	0.8	0.7	0.7	0.2	0.2	0.2
150.	*	0.0	0.0	0.7	0.7	0.6	0.2	0.2	0.2
160.	*	0.0	0.0	0.7	0.6	0.5	0.3	0.2	0.2
170.	*	0.0	0.0	0.6	0.6	0.4	0.2	0.1	0.1
180.	*	0.2	0.1	0.4	0.4	0.3	0.0	0.0	0.0
190.	*	0.5	0.3	0.4	0.4	0.3	0.0	0.0	0.0
200.	*	0.4	0.3	0.4	0.4	0.3	0.0	0.0	0.0
210.	*	0.3	0.2	0.4	0.4	0.4	0.0	0.0	0.0
220.	*	0.3	0.2	0.4	0.5	0.4	0.0	0.0	0.0
230.	*	0.2	0.2	0.5	0.5	0.4	0.0	0.0	0.0
240.	*	0.2	0.2	0.7	0.6	0.5	0.0	0.0	0.0
250.	*	0.2	0.2	0.8	0.8	0.6	0.0	0.0	0.0
260.	*	0.2	0.2	1.3	1.0	0.6	0.0	0.0	0.0
270.	*	0.3	0.2	1.5	0.5	0.1	0.1	0.0	0.0
280.	*	0.7	0.5	0.8	0.0	0.0	0.5	0.3	0.1
290.	*	0.8	0.6	0.4	0.0	0.0	0.5	0.4	0.4
300.	*	0.9	0.6	0.2	0.0	0.0	0.4	0.4	0.3
310.	*	0.8	0.7	0.1	0.0	0.0	0.4	0.3	0.3
320.	*	0.8	0.7	0.2	0.0	0.0	0.3	0.3	0.3
330.	*	0.7	0.5	0.1	0.0	0.0	0.3	0.3	0.2
340.	*	0.7	0.5	0.1	0.0	0.0	0.3	0.3	0.2
350.	*	0.9	0.6	0.1	0.0	0.0	0.3	0.3	0.2
360.	*	0.6	0.4	0.2	0.1	0.0	0.4	0.4	0.3
MAX	*	0.9	0.7	1.5	1.0	0.7	1.0	0.7	0.6
DEGR.	*	350	310	270	260	140	90	80	80

THE HIGHEST CONCENTRATION OF 1.50 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station- Hacienda and Polaris Ave- With Project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:48:26

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	1679.2	* 1832.	360. AG	70.	100.0	0.0	3.7	3.35	305.3
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	593.	6.1	0.0	9.7		
3. Link_5	* -7.6	152.4	-7.6	142.7	* 10.	180. AG	70.	100.0	0.0	3.7	0.55	1.6
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	162.	6.1	0.0	9.7		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	719.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	134.0	7.6	* 18.	270. AG	76.	100.0	0.0	11.0	0.78	3.1
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2081.	6.1	0.0	13.4		
8. Link_4	* -152.4	-7.6	-145.9	-7.6	* 7.	90. AG	76.	100.0	0.0	11.0	0.31	1.1

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
1. Link_2	* 60	44	2.0	805	1200	35.50	1	3
3. Link_5	* 60	44	2.0	132	1200	35.50	1	3
6. Link_12	* 60	16	2.0	1881	1200	35.50	1	3
8. Link_4	* 60	16	2.0	737	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	*	0.3	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.4	0.4	0.3	0.3	0.6	0.4	1.4	1.3
10.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.3	0.3
20.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.5	0.5	0.4	0.4	0.0	0.0	0.1	0.1
30.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.1
40.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1
50.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2
60.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
70.	*	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.3
80.	*	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.4
90.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.5
100.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.2	0.3
110.	*	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
120.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
140.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
150.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
160.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.1	0.1	0.0	0.0	0.1	0.1	0.2	0.0
170.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.1
180.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.8	0.6
190.	*	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.9	0.7
200.	*	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.8	0.5
210.	*	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.3	0.7	0.4
220.	*	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.3
230.	*	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.3
240.	*	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.4
250.	*	0.7	0.6	0.6	0.5	0.1	0.1	0.1	0.1	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.3
260.	*	0.7	0.5	0.5	0.4	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.2	0.8	1.2	0.3
270.	*	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.4	1.4	0.4
280.	*	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.2	0.7	0.8
290.	*	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.3	0.2	0.4	0.8
300.	*	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.2	0.4	0.9
310.	*	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.2	0.4	0.8
320.	*	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.3	0.3	0.5	0.6
330.	*	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.3	0.6	0.7
340.	*	0.3	0.3	0.3	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.5	0.4	0.8	0.7
350.	*	0.4	0.3	0.3	0.2	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.7	0.5	1.2	1.2
360.	*	0.3	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.4	0.4	0.3	0.3	0.6	0.4	1.4	1.3
MAX	*	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.3	0.5	0.5	0.4	0.4	1.2	0.8	1.4	1.3
DEGR.	*	250	250	250	240	350	350	350	340	140	120	130	130	20	20	10	10	260	260	270	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.7	0.6	0.4	0.3	0.2	0.6	0.6	0.4
10.	*		0.1	0.1	0.5	0.4	0.3	0.7	0.7	0.6
20.	*		0.1	0.1	0.4	0.3	0.3	0.6	0.6	0.5
30.	*		0.1	0.1	0.4	0.3	0.2	0.5	0.5	0.4
40.	*		0.2	0.1	0.4	0.2	0.2	0.4	0.3	0.3
50.	*		0.2	0.1	0.3	0.2	0.2	0.2	0.2	0.1
60.	*		0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2
70.	*		0.3	0.2	0.5	0.2	0.2	0.2	0.3	0.3
80.	*		0.3	0.2	0.6	0.2	0.2	0.4	0.4	0.3
90.	*		0.2	0.1	0.6	0.2	0.2	0.5	0.3	0.2
100.	*		0.0	0.0	0.8	0.4	0.3	0.2	0.1	0.1
110.	*		0.0	0.0	0.8	0.7	0.4	0.1	0.1	0.1
120.	*		0.0	0.0	0.7	0.7	0.5	0.1	0.1	0.1
130.	*		0.0	0.0	0.6	0.6	0.5	0.1	0.1	0.1
140.	*		0.0	0.0	0.7	0.6	0.6	0.2	0.1	0.1
150.	*		0.0	0.0	0.7	0.6	0.5	0.3	0.2	0.1
160.	*		0.0	0.0	0.6	0.6	0.5	0.3	0.3	0.2
170.	*		0.0	0.0	0.6	0.7	0.4	0.3	0.2	0.1
180.	*		0.2	0.1	0.5	0.4	0.3	0.1	0.0	0.0
190.	*		0.4	0.2	0.4	0.4	0.3	0.1	0.0	0.0
200.	*		0.3	0.2	0.4	0.4	0.3	0.0	0.0	0.0
210.	*		0.2	0.2	0.4	0.4	0.4	0.0	0.0	0.0
220.	*		0.2	0.2	0.4	0.5	0.4	0.0	0.0	0.0
230.	*		0.2	0.1	0.5	0.5	0.4	0.0	0.0	0.0
240.	*		0.2	0.1	0.7	0.6	0.5	0.0	0.0	0.0
250.	*		0.2	0.1	0.8	0.8	0.6	0.0	0.0	0.0
260.	*		0.2	0.1	1.2	0.9	0.6	0.0	0.0	0.0
270.	*		0.3	0.1	1.4	0.5	0.1	0.1	0.0	0.0
280.	*		0.6	0.4	0.8	0.0	0.0	0.5	0.3	0.1
290.	*		0.7	0.5	0.4	0.0	0.0	0.5	0.4	0.3
300.	*		0.7	0.5	0.2	0.0	0.0	0.4	0.4	0.3
310.	*		0.7	0.5	0.1	0.0	0.0	0.4	0.3	0.3
320.	*		0.5	0.5	0.2	0.0	0.0	0.3	0.3	0.3
330.	*		0.5	0.4	0.1	0.0	0.0	0.3	0.3	0.2
340.	*		0.5	0.4	0.1	0.0	0.0	0.3	0.3	0.2
350.	*		0.8	0.7	0.1	0.0	0.0	0.3	0.3	0.2
360.	*		0.7	0.6	0.4	0.3	0.2	0.6	0.6	0.4
MAX	*		0.8	0.7	1.4	0.9	0.6	0.7	0.7	0.6
DEGR.	*		350	350	270	260	140	10	10	10

THE HIGHEST CONCENTRATION OF 1.40 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030South_station- Hacienda and Polaris Ave- With Project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:48:52

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	2338.7	* 2491.	360. AG	65.	100.0	0.0	3.7	3.58	415.2
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	759.	6.1	0.0	9.7		
3. Link_5	* -7.6	152.4	-7.6	142.3	* 10.	180. AG	65.	100.0	0.0	3.7	0.49	1.7
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	178.	6.1	0.0	9.7		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	742.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	115.9	7.6	* 37.	270. AG	90.	100.0	0.0	11.0	0.91	6.1
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2328.	6.1	0.0	13.4		
8. Link_4	* -152.4	-7.6	-144.5	-7.6	* 8.	90. AG	90.	100.0	0.0	11.0	0.34	1.3

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
1. Link_2	* 60	41	2.0	1075	1200	35.50	1	3
3. Link_5	* 60	41	2.0	148	1200	35.50	1	3
6. Link_12	* 60	19	2.0	2031	1200	35.50	1	3
8. Link_4	* 60	19	2.0	753	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.3	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.4	0.4	0.4	0.3	0.6	0.4	1.5	1.4
10.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.5	0.4	0.4	0.4	0.0	0.0	0.3	0.3
20.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.5	0.4	0.4	0.4	0.0	0.0	0.1	0.1
30.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.1
40.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1
50.	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2
60.	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
70.	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.3
80.	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.0	0.0	0.0	0.5
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.5
100.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3
110.	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1
120.	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
130.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
140.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
150.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
160.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.1	0.1	0.2	0.0
170.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.1
180.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.8	0.5
190.	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.4	1.0	0.7
200.	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.5	0.3	0.8	0.5
210.	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.7	0.4
220.	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.3
230.	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.3	0.6	0.3
240.	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.6	0.3
250.	0.7	0.7	0.6	0.6	0.1	0.1	0.1	0.1	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.9	0.3
260.	0.7	0.6	0.5	0.4	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.3	0.9	1.3	0.3
270.	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.4	1.6	0.4
280.	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.2	0.8	0.9
290.	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.3	0.2	0.5	0.9
300.	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.2	0.4	0.9
310.	0.2	0.2	0.2	0.2	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.4	0.2	0.5	0.9
320.	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.3	0.5	0.7
330.	0.3	0.2	0.2	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.4	0.7	0.8
340.	0.4	0.3	0.3	0.2	0.5	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.6	0.4	0.8	0.7
350.	0.4	0.4	0.2	0.2	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.7	0.5	1.2	1.2
360.	0.3	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.4	0.4	0.4	0.3	0.6	0.4	1.5	1.4
MAX	0.7	0.7	0.6	0.6	0.6	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	1.3	0.9	1.6	1.4
DEGR.	250	250	250	250	350	290	290	290	130	120	130	140	10	0	0	10	260	260	270	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.8	0.6	0.4	0.3	0.2	0.6	0.6	0.5
10.	*	0.1	0.1	0.6	0.4	0.2	0.8	0.7	0.6
20.	*	0.1	0.1	0.5	0.3	0.3	0.7	0.7	0.6
30.	*	0.1	0.1	0.4	0.2	0.2	0.5	0.4	0.4
40.	*	0.2	0.1	0.3	0.2	0.2	0.3	0.3	0.3
50.	*	0.2	0.1	0.4	0.2	0.2	0.2	0.2	0.2
60.	*	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2
70.	*	0.3	0.3	0.5	0.2	0.2	0.2	0.3	0.3
80.	*	0.4	0.3	0.6	0.2	0.2	0.5	0.5	0.4
90.	*	0.2	0.1	0.7	0.3	0.2	0.5	0.3	0.2
100.	*	0.0	0.0	0.8	0.4	0.3	0.2	0.1	0.1
110.	*	0.0	0.0	0.9	0.7	0.4	0.1	0.1	0.1
120.	*	0.0	0.0	0.9	0.7	0.5	0.1	0.1	0.1
130.	*	0.0	0.0	0.7	0.7	0.6	0.1	0.1	0.1
140.	*	0.0	0.0	0.6	0.7	0.6	0.1	0.1	0.1
150.	*	0.0	0.0	0.7	0.5	0.5	0.3	0.1	0.1
160.	*	0.0	0.0	0.6	0.6	0.6	0.3	0.3	0.1
170.	*	0.0	0.0	0.7	0.6	0.5	0.3	0.2	0.1
180.	*	0.1	0.0	0.5	0.4	0.4	0.1	0.0	0.0
190.	*	0.3	0.2	0.4	0.4	0.3	0.1	0.0	0.0
200.	*	0.3	0.2	0.4	0.4	0.4	0.0	0.0	0.0
210.	*	0.2	0.2	0.4	0.5	0.4	0.0	0.0	0.0
220.	*	0.2	0.2	0.5	0.5	0.4	0.0	0.0	0.0
230.	*	0.2	0.1	0.5	0.6	0.4	0.0	0.0	0.0
240.	*	0.2	0.1	0.7	0.7	0.5	0.0	0.0	0.0
250.	*	0.2	0.1	0.9	0.9	0.6	0.0	0.0	0.0
260.	*	0.2	0.1	1.4	1.1	0.6	0.0	0.0	0.0
270.	*	0.3	0.1	1.6	0.5	0.2	0.1	0.0	0.0
280.	*	0.6	0.4	0.8	0.0	0.0	0.5	0.3	0.2
290.	*	0.8	0.5	0.4	0.0	0.0	0.6	0.5	0.4
300.	*	0.7	0.6	0.2	0.0	0.0	0.5	0.4	0.4
310.	*	0.7	0.5	0.1	0.0	0.0	0.4	0.4	0.3
320.	*	0.6	0.5	0.2	0.0	0.0	0.4	0.3	0.3
330.	*	0.5	0.5	0.1	0.0	0.0	0.4	0.3	0.3
340.	*	0.6	0.5	0.1	0.0	0.0	0.3	0.3	0.3
350.	*	0.8	0.6	0.1	0.0	0.0	0.3	0.3	0.3
360.	*	0.8	0.6	0.4	0.3	0.2	0.6	0.6	0.5
MAX	*	0.8	0.6	1.6	1.1	0.6	0.8	0.7	0.6
DEGR.	*	350	0	270	260	130	10	10	10

THE HIGHEST CONCENTRATION OF 1.60 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station- Hacienda and S. Valley View- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:49:13

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	151.4	* 304.	360. AG	292.	100.0	0.0	14.6	1.42	50.6
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1504.	6.1	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	138.6	* 14.	180. AG	292.	100.0	0.0	14.6	0.74	2.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1140.	6.1	0.0	17.0		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	3032.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	140.2	7.6	* 12.	270. AG	67.	100.0	0.0	11.0	0.62	2.0
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	1496.	6.1	0.0	13.4		
8. Link_4	* -152.4	-7.6	1294.3	-7.6	* 1447.	90. AG	67.	100.0	0.0	11.0	1.54	241.1

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
1. Link_2	* 60	46	2.0	1138	1200	35.50	1	3
3. Link_5	* 60	46	2.0	595	1200	35.50	1	3
6. Link_12	* 60	14	2.0	1568	1200	35.50	1	3
8. Link_4	* 60	14	2.0	3871	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	* 0.1	0.0	0.0	0.0	0.8	0.8	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.7	0.4	4.1	4.8
10.	* 0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.1	0.1	0.0	0.9	0.7	0.6	0.4	0.2	0.0	2.2	2.9
20.	* 0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.8	0.6	0.4	0.2	1.4	1.1	1.0	0.9	0.0	0.0	1.1	1.6
30.	* 0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.9	0.8	0.7	0.6	1.2	1.1	1.0	1.0	0.0	0.0	0.7	1.3
40.	* 0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.8	0.8	0.7	0.7	1.2	1.1	1.1	0.9	0.0	0.0	0.4	1.1
50.	* 0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.5	0.8	0.8	0.7	0.6	1.3	1.2	1.0	0.9	0.0	0.0	0.4	1.3
60.	* 0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.5	0.7	0.6	0.6	0.6	1.3	1.3	1.2	1.1	0.0	0.0	0.4	1.7
70.	* 0.0	0.0	0.0	0.0	0.9	0.8	0.6	0.4	0.7	0.7	0.5	0.5	1.6	1.4	1.2	1.2	0.0	0.0	0.4	2.0
80.	* 0.0	0.0	0.0	0.0	0.9	0.6	0.4	0.3	0.7	0.7	0.5	0.5	1.8	1.4	1.2	1.1	0.0	0.0	0.4	2.9
90.	* 0.2	0.1	0.1	0.1	0.4	0.2	0.2	0.2	0.9	0.7	0.6	0.6	1.1	0.9	0.7	0.7	0.3	0.2	0.8	3.6
100.	* 0.4	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.0	0.8	0.8	0.7	0.6	0.5	0.5	0.7	0.5	1.5	1.8
110.	* 0.6	0.5	0.3	0.2	0.0	0.0	0.0	0.0	1.4	1.3	1.1	1.0	0.7	0.6	0.5	0.5	0.8	0.7	1.4	1.0
120.	* 0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	1.3	1.1	1.1	1.1	0.7	0.6	0.6	0.6	0.7	0.7	1.2	0.7
130.	* 0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.7	0.5	1.1	0.6
140.	* 0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.2	1.2	1.1	1.0	0.8	0.8	0.7	0.6	0.6	0.5	1.2	0.6
150.	* 0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.2	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	1.4	0.7
160.	* 0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.4	1.2	1.1	1.0	0.9	0.6	0.4	0.2	0.5	0.5	1.7	1.0
170.	* 0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.8	0.6	0.4	0.3	0.1	0.0	0.0	0.6	0.4	2.5	1.9
180.	* 0.6	0.5	0.5	0.4	0.1	0.1	0.0	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.9	0.9	4.1	3.6
190.	* 1.6	1.3	1.0	0.8	0.8	0.5	0.1	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	3.3	2.0	3.8	3.2
200.	* 1.7	1.6	1.5	1.3	1.2	1.0	0.6	0.4	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	2.7	2.1	2.9	2.2
210.	* 1.6	1.5	1.2	1.2	1.1	1.1	0.8	0.7	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.3	1.9	2.3	1.7
220.	* 1.4	1.2	1.1	1.1	1.0	0.9	0.7	0.7	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.0	1.4	1.8	1.5
230.	* 1.2	1.1	1.1	1.0	0.8	0.7	0.7	0.7	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.7	1.5	1.6	1.4
240.	* 1.3	1.1	1.0	1.0	0.8	0.7	0.6	0.6	0.5	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.5	1.4	1.4
250.	* 1.4	1.3	1.1	1.0	0.8	0.7	0.6	0.6	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0	1.8	1.6	1.6	1.6
260.	* 1.2	1.1	0.9	0.8	0.7	0.7	0.6	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.5	1.9	1.9
270.	* 0.9	0.8	0.7	0.7	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.1	1.9	2.4
280.	* 0.8	0.8	0.7	0.7	1.0	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	1.2	0.9	1.3	2.6
290.	* 0.9	0.8	0.7	0.7	1.2	1.1	1.0	1.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	1.2	1.0	1.1	2.4
300.	* 0.9	0.8	0.7	0.7	1.4	1.2	1.1	0.9	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.2	1.2	1.1	1.1	2.3
310.	* 0.9	0.8	0.8	0.8	1.5	1.4	1.2	1.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	1.3	1.2	1.2	2.1
320.	* 1.1	0.9	0.8	0.8	1.6	1.6	1.3	1.2	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	1.6	1.2	1.3	2.1
330.	* 1.2	1.1	1.0	0.9	1.6	1.6	1.3	1.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.8	1.5	1.8	2.4
340.	* 1.5	1.2	0.9	0.5	1.9	1.8	1.6	1.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	2.4	1.8	2.3	2.8
350.	* 1.0	0.5	0.1	0.0	2.1	1.8	1.2	0.9	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	3.2	1.8	3.6	4.2
360.	* 0.1	0.0	0.0	0.0	0.8	0.8	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.7	0.4	4.1	4.8
MAX	* 1.7	1.6	1.5	1.3	2.1	1.8	1.6	1.4	1.4	1.3	1.1	1.1	1.8	1.4	1.2	1.2	3.3	2.1	4.1	4.8
DEGR.	* 200	200	200	200	350	350	340	340	110	110	140	120	80	70	60	70	190	200	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	2.5	1.4	0.5	0.2	0.1	1.1	0.7	0.6	
10.	*	0.8	0.6	1.6	1.0	0.5	2.2	1.7	1.3	
20.	*	0.7	0.7	1.7	1.3	1.1	2.2	1.9	1.7	
30.	*	0.8	0.7	1.4	1.2	1.0	1.8	1.7	1.4	
40.	*	0.9	0.7	1.3	1.0	0.9	1.6	1.5	1.4	
50.	*	1.0	0.8	1.2	0.8	0.8	1.6	1.3	1.3	
60.	*	1.2	0.9	1.1	0.8	0.8	1.8	1.6	1.4	
70.	*	1.5	1.1	1.1	0.8	0.8	2.0	1.9	1.8	
80.	*	2.0	1.2	1.2	0.8	0.7	3.0	2.7	2.0	
90.	*	1.2	0.6	1.7	1.2	0.9	3.8	2.2	1.4	
100.	*	0.1	0.0	2.4	1.7	1.4	1.9	0.9	0.7	
110.	*	0.0	0.0	2.3	1.8	1.6	1.2	0.8	0.8	
120.	*	0.0	0.0	2.0	1.8	1.6	1.1	0.8	0.8	
130.	*	0.0	0.0	1.9	1.6	1.4	1.1	0.9	0.8	
140.	*	0.0	0.0	1.9	1.7	1.5	1.3	1.1	0.9	
150.	*	0.0	0.0	1.8	1.5	1.5	1.3	1.2	1.1	
160.	*	0.0	0.0	2.0	1.7	1.5	1.6	1.4	1.1	
170.	*	0.1	0.0	2.0	1.8	1.3	1.7	1.3	0.6	
180.	*	1.2	0.4	1.2	0.8	0.5	1.0	0.5	0.1	
190.	*	2.5	1.4	0.7	0.4	0.3	0.4	0.1	0.0	
200.	*	2.0	1.5	0.6	0.4	0.3	0.2	0.0	0.0	
210.	*	1.6	1.3	0.5	0.4	0.4	0.1	0.0	0.0	
220.	*	1.4	1.1	0.5	0.5	0.4	0.2	0.0	0.0	
230.	*	1.2	1.0	0.5	0.6	0.4	0.2	0.0	0.0	
240.	*	1.1	0.9	0.7	0.6	0.5	0.2	0.0	0.0	
250.	*	1.1	0.9	0.9	0.8	0.6	0.3	0.0	0.0	
260.	*	1.0	0.8	1.1	0.8	0.5	0.5	0.0	0.0	
270.	*	1.3	0.9	1.0	0.3	0.1	1.0	0.2	0.1	
280.	*	2.0	1.3	0.5	0.0	0.0	1.1	0.7	0.4	
290.	*	2.1	1.6	0.3	0.0	0.0	1.0	0.7	0.6	
300.	*	2.1	1.6	0.1	0.0	0.0	0.8	0.6	0.4	
310.	*	2.2	1.9	0.1	0.0	0.0	0.7	0.5	0.4	
320.	*	2.2	1.8	0.1	0.0	0.0	0.5	0.4	0.4	
330.	*	2.5	2.0	0.1	0.0	0.0	0.5	0.4	0.4	
340.	*	2.8	2.4	0.1	0.0	0.0	0.5	0.4	0.4	
350.	*	3.8	2.7	0.1	0.0	0.0	0.6	0.4	0.4	
360.	*	2.5	1.4	0.5	0.2	0.1	1.1	0.7	0.6	
MAX	*	3.8	2.7	2.4	1.8	1.6	3.8	2.7	2.0	
DEGR.	*	350	350	100	110	110	90	80	80	

THE HIGHEST CONCENTRATION OF 4.80 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2030South_station- Hacienda and S. Valley View- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:49:34

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	151.4	* 304.	360. AG	292.	100.0	0.0	14.6	1.42	50.6
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	1504.	6.1	0.0	17.0		
3. Link_5	* -7.6	152.4	-7.6	137.8	* 15.	180. AG	292.	100.0	0.0	14.6	0.76	2.4
4. 1163	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	1163.	6.1	0.0	17.0		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	3032.	6.1	0.0	13.4		
6. Link_12	* 152.4	7.6	140.0	7.6	* 12.	270. AG	67.	100.0	0.0	11.0	0.63	2.1
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	1512.	6.1	0.0	13.4		
8. Link_4	* -152.4	-7.6	1294.3	-7.6	* 1447.	90. AG	67.	100.0	0.0	11.0	1.54	241.1

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
1. Link_2	* 60	46	2.0	1138	1200	35.50	1	3
3. Link_5	* 60	46	2.0	611	1200	35.50	1	3
6. Link_12	* 60	14	2.0	1591	1200	35.50	1	3
8. Link_4	* 60	14	2.0	3871	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.1	0.0	0.0	0.0	0.8	0.8	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.7	0.4	4.1	4.8
10.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.2	0.1	0.1	0.0	0.9	0.7	0.6	0.4	0.2	0.0	2.2	2.9
20.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.8	0.6	0.4	0.2	1.4	1.1	1.0	0.9	0.0	0.0	1.1	1.6
30.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.9	0.8	0.7	0.6	1.2	1.1	1.0	1.0	0.0	0.0	0.7	1.3
40.	0.0	0.0	0.0	0.0	0.6	0.6	0.5	0.5	0.8	0.8	0.7	0.7	1.2	1.1	1.1	0.9	0.0	0.0	0.4	1.1
50.	0.0	0.0	0.0	0.0	0.7	0.7	0.5	0.5	0.8	0.8	0.7	0.6	1.3	1.2	1.0	0.9	0.0	0.0	0.4	1.3
60.	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.5	0.7	0.6	0.6	0.6	1.3	1.3	1.2	1.1	0.0	0.0	0.4	1.7
70.	0.0	0.0	0.0	0.0	0.9	0.8	0.6	0.4	0.7	0.7	0.5	0.5	1.6	1.4	1.2	1.2	0.0	0.0	0.4	2.0
80.	0.0	0.0	0.0	0.0	0.9	0.6	0.4	0.3	0.7	0.7	0.5	0.5	1.8	1.4	1.2	1.1	0.0	0.0	0.4	2.9
90.	0.2	0.1	0.1	0.1	0.4	0.2	0.2	0.2	0.9	0.7	0.6	0.6	1.1	0.9	0.7	0.7	0.3	0.2	0.8	3.6
100.	0.4	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.0	0.8	0.8	0.7	0.6	0.5	0.5	0.7	0.5	1.5	1.8
110.	0.6	0.5	0.3	0.2	0.0	0.0	0.0	0.0	1.4	1.3	1.1	1.0	0.7	0.7	0.5	0.5	0.8	0.7	1.4	1.0
120.	0.6	0.5	0.4	0.3	0.0	0.0	0.0	0.0	1.3	1.1	1.1	1.1	0.7	0.7	0.6	0.6	0.7	0.7	1.2	0.7
130.	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	1.4	1.2	1.1	1.0	0.8	0.8	0.6	0.5	0.7	0.5	1.1	0.6
140.	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.2	1.2	1.1	1.0	0.8	0.8	0.7	0.6	0.6	0.5	1.2	0.6
150.	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.2	1.2	1.1	1.1	0.9	0.8	0.7	0.6	0.5	0.4	1.4	0.7
160.	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	1.4	1.2	1.1	1.0	0.9	0.6	0.4	0.2	0.5	0.5	1.7	1.0
170.	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	1.0	0.8	0.6	0.5	0.3	0.1	0.0	0.0	0.6	0.4	2.5	1.9
180.	0.6	0.5	0.5	0.4	0.1	0.1	0.0	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.9	0.9	4.1	3.6
190.	1.6	1.3	1.1	0.8	0.8	0.5	0.1	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	3.3	2.1	3.8	3.2
200.	1.7	1.6	1.5	1.3	1.3	1.0	0.6	0.4	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	2.8	2.1	2.9	2.2
210.	1.6	1.5	1.3	1.2	1.1	1.1	0.8	0.7	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.3	1.9	2.3	1.7
220.	1.4	1.2	1.1	1.1	1.0	0.9	0.7	0.7	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	2.0	1.5	1.8	1.5
230.	1.2	1.1	1.1	1.1	0.8	0.7	0.7	0.7	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.7	1.5	1.6	1.4
240.	1.3	1.1	1.0	1.0	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.6	1.5	1.4	1.4
250.	1.4	1.3	1.1	1.0	0.8	0.7	0.6	0.6	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0	1.8	1.6	1.6	1.6
260.	1.2	1.1	0.9	0.8	0.7	0.7	0.6	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.5	1.9	1.9
270.	0.9	0.8	0.7	0.7	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.1	1.9	2.4
280.	0.8	0.8	0.7	0.7	1.0	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	1.2	0.9	1.3	2.6
290.	0.9	0.8	0.7	0.7	1.2	1.1	1.0	1.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.1	1.2	1.0	1.1	2.5
300.	0.9	0.8	0.7	0.7	1.4	1.2	1.1	0.9	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.2	1.2	1.1	1.1	2.3
310.	0.9	0.8	0.8	0.8	1.5	1.4	1.2	1.1	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	1.3	1.2	1.2	2.2
320.	1.1	0.9	0.8	0.8	1.6	1.6	1.3	1.2	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	1.6	1.2	1.3	2.1
330.	1.2	1.1	1.0	0.9	1.6	1.6	1.3	1.3	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.8	1.5	1.8	2.4
340.	1.5	1.2	0.9	0.5	1.9	1.8	1.6	1.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	2.4	1.8	2.3	2.8
350.	1.0	0.5	0.1	0.0	2.1	1.8	1.2	0.9	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	3.2	1.8	3.6	4.2
360.	0.1	0.0	0.0	0.0	0.8	0.8	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.7	0.4	4.1	4.8
MAX	1.7	1.6	1.5	1.3	2.1	1.8	1.6	1.4	1.4	1.3	1.1	1.1	1.8	1.4	1.2	1.2	3.3	2.1	4.1	4.8
DEGR.	200	200	200	200	350	350	340	340	110	110	140	120	80	70	60	70	190	190	0	0

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	2.5	1.4	0.5	0.2	0.1	1.1	0.7	0.6	
10.	*	0.8	0.6	1.6	1.0	0.5	2.2	1.7	1.3	
20.	*	0.7	0.7	1.7	1.3	1.1	2.2	1.9	1.7	
30.	*	0.8	0.7	1.4	1.2	1.0	1.8	1.7	1.4	
40.	*	0.9	0.7	1.3	1.0	0.9	1.6	1.5	1.4	
50.	*	1.0	0.8	1.2	0.8	0.8	1.6	1.3	1.3	
60.	*	1.2	0.9	1.1	0.8	0.8	1.8	1.6	1.4	
70.	*	1.5	1.1	1.1	0.8	0.8	2.0	1.9	1.8	
80.	*	2.0	1.2	1.2	0.8	0.7	3.0	2.7	2.0	
90.	*	1.2	0.6	1.7	1.2	0.9	3.8	2.2	1.4	
100.	*	0.1	0.0	2.4	1.7	1.4	1.9	0.9	0.7	
110.	*	0.0	0.0	2.3	1.8	1.6	1.2	0.8	0.8	
120.	*	0.0	0.0	2.0	1.8	1.6	1.1	0.8	0.8	
130.	*	0.0	0.0	1.9	1.6	1.4	1.1	0.9	0.8	
140.	*	0.0	0.0	1.9	1.7	1.5	1.3	1.1	0.9	
150.	*	0.0	0.0	1.8	1.5	1.5	1.3	1.2	1.1	
160.	*	0.0	0.0	2.0	1.7	1.5	1.6	1.4	1.1	
170.	*	0.1	0.0	2.1	1.8	1.3	1.7	1.3	0.6	
180.	*	1.2	0.4	1.2	0.8	0.5	1.0	0.5	0.1	
190.	*	2.5	1.4	0.7	0.4	0.3	0.4	0.1	0.0	
200.	*	2.0	1.5	0.6	0.4	0.3	0.2	0.0	0.0	
210.	*	1.6	1.3	0.5	0.4	0.4	0.1	0.0	0.0	
220.	*	1.4	1.1	0.5	0.5	0.4	0.2	0.0	0.0	
230.	*	1.2	1.0	0.5	0.6	0.4	0.2	0.0	0.0	
240.	*	1.1	0.9	0.7	0.6	0.5	0.2	0.0	0.0	
250.	*	1.1	0.9	0.9	0.8	0.6	0.3	0.0	0.0	
260.	*	1.0	0.8	1.1	0.8	0.5	0.5	0.0	0.0	
270.	*	1.3	0.9	1.0	0.3	0.1	1.0	0.2	0.1	
280.	*	2.0	1.3	0.5	0.0	0.0	1.1	0.7	0.4	
290.	*	2.1	1.6	0.3	0.0	0.0	1.0	0.7	0.6	
300.	*	2.1	1.6	0.1	0.0	0.0	0.8	0.6	0.4	
310.	*	2.2	1.9	0.1	0.0	0.0	0.7	0.5	0.4	
320.	*	2.2	1.8	0.1	0.0	0.0	0.5	0.4	0.4	
330.	*	2.5	2.0	0.1	0.0	0.0	0.5	0.4	0.4	
340.	*	2.8	2.4	0.1	0.0	0.0	0.6	0.4	0.4	
350.	*	3.8	2.7	0.1	0.0	0.0	0.6	0.4	0.4	
360.	*	2.5	1.4	0.5	0.2	0.1	1.1	0.7	0.6	
MAX	*	3.8	2.7	2.4	1.8	1.6	3.8	2.7	2.0	
DEGR.	*	350	350	100	110	110	90	80	80	

THE HIGHEST CONCENTRATION OF 4.80 PPM OCCURRED AT RECEPTOR REC20.

JOB: 2030South_station- Russell and Polaris Ave- With Project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:49:58

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	111.4	* 264.	360. AG	149.	100.0	0.0	7.3	1.40	44.0
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	213.	6.1	0.0	9.7		
3. Link_5	* -7.6	152.4	-7.6	-1709.4	* 1862.	180. AG	75.	100.0	0.0	3.7	4.18	310.3
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	548.	6.1	0.0	9.7		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2353.	6.1	0.0	17.0		
6. Link_12	* 152.4	7.6	139.6	7.6	* 13.	270. AG	83.	100.0	0.0	14.6	0.68	2.1
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2731.	6.1	0.0	17.0		
8. Link_4	* -152.4	-7.6	-140.3	-7.6	* 12.	90. AG	83.	100.0	0.0	14.6	0.65	2.0

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
1. Link_2	* 60	47	2.0	505	1200	35.50	1	3
3. Link_5	* 60	47	2.0	753	1200	35.50	1	3
6. Link_12	* 60	13	2.0	2358	1200	35.50	1	3
8. Link_4	* 60	13	2.0	2229	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.1	1.9	2.4
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.6	0.6	0.4	0.3	0.0	0.0	0.6	0.9
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.2	0.1	0.1	0.8	0.8	0.7	0.6	0.0	0.0	0.2	0.6
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.5	0.4	0.2	0.1	0.8	0.8	0.6	0.6	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.5	0.4	0.3	0.2	0.7	0.5	0.5	0.5	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.5	0.5	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.0	0.0	0.1	0.8
70.	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.2	0.3	0.3	0.3	0.3	0.9	0.9	0.8	0.7	0.0	0.0	0.0	0.8
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.3	0.3	0.3	0.3	1.0	0.8	0.7	0.6	0.0	0.0	0.0	1.2
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.1	1.5
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.6	0.8
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.6	0.4	0.4	0.4	0.3	0.5	0.4	0.6	0.4
120.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.4
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.2
140.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	0.9	0.7	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.5	0.3
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	1.0	0.8	0.8	0.6	0.6	0.4	0.4	0.3	0.3	0.5	0.3
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.9	0.6	0.5	0.4	0.2	0.3	0.3	0.6	0.4
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.8	0.8	0.6	0.5	0.3	0.3	0.2	0.3	0.3	0.9	0.8
180.	0.6	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.7	0.5	0.5	0.5	0.3	0.2	0.2	0.2	1.1	0.7	2.5	2.4
190.	1.0	0.8	0.7	0.6	0.6	0.4	0.3	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.7	1.4	2.7	2.5
200.	1.1	0.9	0.9	0.8	0.8	0.7	0.5	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.4	1.2	1.9	1.6
210.	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.0	1.5	1.3
220.	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.7	1.3	1.3
230.	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.3	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.8	0.7	0.9	1.0
240.	0.8	0.8	0.8	0.7	0.5	0.5	0.4	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.9	0.8	1.0	1.0
250.	1.0	0.8	0.8	0.7	0.5	0.4	0.3	0.3	0.6	0.5	0.4	0.2	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.0
260.	1.0	0.9	0.6	0.5	0.5	0.5	0.3	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.6	1.3	1.7	1.0
270.	0.5	0.5	0.3	0.3	0.5	0.5	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	2.0	1.2
280.	0.4	0.4	0.3	0.3	0.8	0.7	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.6	0.4	1.2	1.7
290.	0.4	0.3	0.3	0.3	1.0	0.9	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.2	0.1	0.0	0.5	0.5	0.8	1.8
300.	0.4	0.4	0.4	0.3	1.0	1.0	0.9	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.6	0.4	0.7	1.8
310.	0.4	0.4	0.3	0.3	1.0	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.6	0.5	0.7	1.5
320.	0.5	0.4	0.4	0.3	1.1	0.9	0.8	0.8	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.6	0.5	1.1	1.7
330.	0.5	0.4	0.4	0.2	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.9	0.7	1.2	1.7
340.	0.5	0.3	0.1	0.0	1.0	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.1	0.9	1.5	1.9
350.	0.1	0.0	0.0	0.0	0.8	0.7	0.5	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	1.0	0.6	2.1	2.5
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.1	1.9	2.4
MAX	1.1	0.9	0.9	0.8	1.1	1.0	0.9	0.8	1.1	1.0	0.9	0.9	1.0	0.9	0.8	0.7	1.7	1.4	2.7	2.5
DEGR.	200	200	200	200	320	300	310	320	140	150	160	160	80	70	70	60	190	190	190	190

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.9	0.5	0.8	0.2	0.1	1.2	0.6	0.4
10.	*		0.4	0.4	1.3	0.5	0.2	1.8	1.0	0.8
20.	*		0.4	0.4	1.2	0.7	0.5	1.6	1.1	1.0
30.	*		0.5	0.4	1.1	0.7	0.5	1.2	1.1	0.9
40.	*		0.5	0.4	0.9	0.5	0.5	0.9	0.7	0.7
50.	*		0.6	0.5	1.0	0.5	0.5	0.9	0.7	0.7
60.	*		0.7	0.6	0.9	0.5	0.5	1.0	0.9	0.9
70.	*		0.9	0.7	1.0	0.5	0.3	1.2	1.1	1.0
80.	*		1.2	0.7	0.9	0.5	0.3	1.5	1.5	1.2
90.	*		0.7	0.2	1.2	0.8	0.3	1.9	1.3	0.7
100.	*		0.1	0.0	1.5	1.2	0.6	1.1	0.7	0.4
110.	*		0.0	0.0	1.6	1.4	0.8	0.9	0.6	0.4
120.	*		0.0	0.0	1.6	1.4	1.2	0.7	0.6	0.6
130.	*		0.0	0.0	1.6	1.3	1.2	0.8	0.6	0.6
140.	*		0.0	0.0	1.5	1.3	1.2	0.8	0.6	0.6
150.	*		0.0	0.0	1.5	1.4	1.3	1.1	0.8	0.7
160.	*		0.0	0.0	1.6	1.4	1.2	1.2	1.0	0.8
170.	*		0.0	0.0	2.0	1.6	1.3	1.7	1.0	0.6
180.	*		0.7	0.3	1.8	1.2	0.9	1.5	0.6	0.4
190.	*		1.3	0.9	0.6	0.5	0.4	0.3	0.0	0.0
200.	*		1.1	0.9	0.4	0.5	0.4	0.1	0.0	0.0
210.	*		0.9	0.8	0.5	0.5	0.5	0.0	0.0	0.0
220.	*		0.7	0.6	0.5	0.6	0.5	0.0	0.0	0.0
230.	*		0.7	0.6	0.6	0.7	0.6	0.0	0.0	0.0
240.	*		0.7	0.5	0.8	0.8	0.6	0.0	0.0	0.0
250.	*		0.6	0.6	1.0	1.0	0.8	0.0	0.0	0.0
260.	*		0.6	0.5	1.4	1.4	0.8	0.0	0.0	0.0
270.	*		0.8	0.5	1.7	0.8	0.2	0.2	0.0	0.0
280.	*		1.4	0.9	1.0	0.1	0.0	0.7	0.4	0.2
290.	*		1.6	1.2	0.5	0.0	0.0	0.7	0.6	0.5
300.	*		1.5	1.2	0.3	0.0	0.0	0.6	0.5	0.4
310.	*		1.5	1.3	0.2	0.0	0.0	0.5	0.4	0.4
320.	*		1.3	1.1	0.2	0.0	0.0	0.5	0.4	0.3
330.	*		1.4	1.2	0.2	0.0	0.0	0.4	0.4	0.3
340.	*		1.5	1.3	0.2	0.0	0.0	0.5	0.4	0.3
350.	*		1.6	1.2	0.3	0.0	0.0	0.6	0.3	0.3
360.	*		0.9	0.5	0.8	0.2	0.1	1.2	0.6	0.4
MAX	*		1.6	1.3	2.0	1.6	1.3	1.9	1.5	1.2
DEGR.	*		290	340	170	170	150	90	80	80

THE HIGHEST CONCENTRATION OF 2.70 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030South_station- Russell and Polaris Ave- With Project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:50:17

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. Link_2	* 7.6	-152.4	7.6	78.2	* 231.	360. AG	146.	100.0	0.0	7.3	1.30	38.4
2. Link_3	* 7.6	0.0	7.6	152.4	* 152.	360. AG	230.	6.1	0.0	9.7		
3. Link_5	* -7.6	152.4	-7.6	-2219.8	* 2372.	180. AG	73.	100.0	0.0	3.7	4.67	395.4
4. Link_7	* -7.6	0.0	-7.6	-152.4	* 152.	180. AG	703.	6.1	0.0	9.7		
5. Link_10	* 0.0	-7.6	152.4	-7.6	* 152.	90. AG	2376.	6.1	0.0	17.0		
6. Link_12	* 152.4	7.6	138.0	7.6	* 14.	270. AG	89.	100.0	0.0	14.6	0.74	2.4
7. Link_13	* 0.0	7.6	-152.4	7.6	* 152.	270. AG	2866.	6.1	0.0	17.0		
8. Link_4	* -152.4	-7.6	-139.3	-7.6	* 13.	90. AG	89.	100.0	0.0	14.6	0.67	2.2

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
1. Link_2	* 60	46	2.0	522	1200	35.50	1	3
3. Link_5	* 60	46	2.0	934	1200	35.50	1	3
6. Link_12	* 60	14	2.0	2474	1200	35.50	1	3
8. Link_4	* 60	14	2.0	2245	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.0	1.7	2.2
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.5	0.5	0.4	0.4	0.0	0.0	0.6	0.9
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.7	0.7	0.6	0.6	0.0	0.0	0.2	0.6
30.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.8	0.8	0.7	0.6	0.0	0.0	0.1	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.4	0.2	0.1	0.1	0.7	0.7	0.5	0.5	0.0	0.0	0.1	0.5
50.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.5	0.6	0.5	0.5	0.0	0.0	0.1	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.7	0.7	0.7	0.7	0.0	0.0	0.1	0.8
70.	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.2	0.3	0.3	0.3	0.3	0.9	0.9	0.8	0.8	0.0	0.0	0.0	0.8
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.3	0.3	0.3	0.3	1.0	0.8	0.7	0.6	0.0	0.0	0.0	1.2
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.5	0.5	0.4	0.4	0.0	0.0	0.1	1.5
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.6	0.9
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.6	0.4	0.4	0.4	0.4	0.5	0.4	0.6	0.4
120.	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.9	0.7	0.7	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.4
130.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.9	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.2
140.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	0.9	0.7	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.5	0.3
150.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	1.0	0.8	0.8	0.6	0.6	0.4	0.4	0.3	0.3	0.5	0.3
160.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.9	0.6	0.5	0.4	0.3	0.3	0.3	0.6	0.4
170.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.8	0.8	0.7	0.5	0.3	0.3	0.2	0.3	0.3	0.9	0.7
180.	0.6	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.7	0.6	0.5	0.5	0.3	0.3	0.2	0.2	1.1	0.7	2.7	2.4
190.	1.2	0.8	0.7	0.6	0.6	0.4	0.3	0.2	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.7	1.4	2.7	2.4
200.	1.1	0.9	0.9	0.8	0.8	0.7	0.5	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.4	1.2	2.0	1.7
210.	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.0	1.5	1.3
220.	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.7	1.2	1.2
230.	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.8	0.8	1.1	1.1
240.	0.8	0.8	0.8	0.7	0.5	0.5	0.5	0.4	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.9	0.8	1.0	1.0
250.	1.0	0.9	0.8	0.8	0.5	0.5	0.4	0.4	0.7	0.5	0.4	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.2	1.0
260.	1.1	0.9	0.7	0.6	0.5	0.5	0.4	0.4	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.7	1.3	1.7	1.0
270.	0.6	0.5	0.3	0.3	0.5	0.5	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	2.1	1.2
280.	0.4	0.4	0.3	0.3	0.8	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.6	0.4	1.3	1.8
290.	0.4	0.3	0.3	0.3	1.0	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.4	0.2	0.1	0.0	0.5	0.4	0.8	1.8
300.	0.4	0.4	0.4	0.3	1.0	1.0	1.0	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.6	0.4	0.7	1.9
310.	0.4	0.4	0.3	0.2	1.0	0.9	0.8	0.8	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.6	0.5	0.8	1.6
320.	0.5	0.4	0.2	0.1	1.1	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7	0.5	1.0	1.7
330.	0.4	0.2	0.1	0.1	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.9	0.6	1.2	1.7
340.	0.2	0.1	0.0	0.0	1.0	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	1.0	0.7	1.4	1.9
350.	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.8	0.3	2.0	2.4
360.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.1	0.0	1.7	2.2
MAX	1.2	0.9	0.9	0.8	1.1	1.0	1.0	0.8	1.1	1.0	0.9	0.9	1.0	0.9	0.8	0.8	1.7	1.4	2.7	2.4
DEGR.	190	200	200	200	320	290	300	320	140	150	160	160	80	70	70	70	190	190	180	180

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.9	0.5	0.8	0.2	0.1	1.2	0.6	0.4
10.	*		0.4	0.4	1.0	0.4	0.2	1.7	0.9	0.7
20.	*		0.4	0.4	1.2	0.5	0.3	1.7	1.2	0.9
30.	*		0.5	0.4	1.0	0.6	0.4	1.2	1.1	0.9
40.	*		0.5	0.4	0.9	0.5	0.5	1.0	0.7	0.7
50.	*		0.6	0.5	1.0	0.5	0.5	1.0	0.7	0.7
60.	*		0.7	0.6	0.9	0.5	0.5	1.0	0.9	0.9
70.	*		0.9	0.7	0.9	0.5	0.3	1.1	1.2	1.0
80.	*		1.2	0.7	0.9	0.5	0.3	1.5	1.6	1.2
90.	*		0.7	0.2	1.1	0.8	0.3	1.8	1.3	0.7
100.	*		0.1	0.0	1.5	1.3	0.6	1.2	0.7	0.4
110.	*		0.0	0.0	1.6	1.4	0.9	0.8	0.6	0.4
120.	*		0.0	0.0	1.7	1.4	1.2	0.8	0.6	0.6
130.	*		0.0	0.0	1.6	1.4	1.3	0.9	0.6	0.6
140.	*		0.0	0.0	1.5	1.3	1.2	0.9	0.7	0.6
150.	*		0.0	0.0	1.5	1.5	1.2	1.0	0.9	0.6
160.	*		0.0	0.0	1.6	1.5	1.3	1.3	0.9	0.9
170.	*		0.0	0.0	2.0	1.7	1.3	1.8	1.1	0.7
180.	*		0.7	0.3	1.9	1.4	1.0	1.6	0.6	0.4
190.	*		1.3	0.9	0.6	0.5	0.4	0.3	0.0	0.0
200.	*		1.1	0.9	0.5	0.5	0.4	0.1	0.0	0.0
210.	*		0.9	0.8	0.5	0.6	0.5	0.0	0.0	0.0
220.	*		0.7	0.6	0.5	0.6	0.5	0.0	0.0	0.0
230.	*		0.7	0.6	0.7	0.7	0.6	0.0	0.0	0.0
240.	*		0.7	0.5	0.8	0.8	0.7	0.0	0.0	0.0
250.	*		0.6	0.5	1.0	1.1	0.8	0.0	0.0	0.0
260.	*		0.6	0.5	1.5	1.5	0.8	0.0	0.0	0.0
270.	*		0.8	0.5	1.8	0.9	0.2	0.2	0.1	0.0
280.	*		1.4	0.9	1.0	0.1	0.0	0.7	0.4	0.2
290.	*		1.6	1.1	0.5	0.0	0.0	0.7	0.6	0.5
300.	*		1.6	1.3	0.3	0.0	0.0	0.6	0.5	0.5
310.	*		1.5	1.3	0.2	0.0	0.0	0.5	0.5	0.4
320.	*		1.4	1.1	0.2	0.0	0.0	0.5	0.4	0.4
330.	*		1.4	1.2	0.3	0.0	0.0	0.5	0.4	0.3
340.	*		1.4	1.3	0.2	0.0	0.0	0.5	0.4	0.4
350.	*		1.5	1.0	0.3	0.0	0.0	0.6	0.4	0.3
360.	*		0.9	0.5	0.8	0.2	0.1	1.2	0.6	0.4
MAX	*		1.6	1.3	2.0	1.7	1.3	1.8	1.6	1.2
DEGR.	*		290	340	170	170	160	90	80	80

THE HIGHEST CONCENTRATION OF 2.70 PPM OCCURRED AT RECEPTOR REC19.

JOB: 2030South_station- - Russell and I-15 SB Ramps- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:51:23

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C QUEUE	
		X1	Y1	X2	Y2								(VEH)	(VEH)
1. Link_5	*	-7.6	152.4	-7.6	-1549.9	*	1702.	180. AG	149.	100.0	0.0	7.3	3.91	283.7
2. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1611.	6.1	0.0	13.4		
3. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2671.	6.1	0.0	17.0		
4. Link_12	*	152.4	7.6	141.9	7.6	*	10.	270. AG	103.	100.0	0.0	18.3	0.56	1.7
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2562.	6.1	0.0	17.0		
6. Link_4	*	-152.4	-7.6	-126.7	-7.6	*	26.	90. AG	83.	100.0	0.0	14.6	0.88	4.3

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
1. Link_5	*	60	47	2.0	1407	1200	35.50	1	3
4. Link_12	*	60	13	2.0	2416	1200	35.50	1	3
6. Link_4	*	60	13	2.0	3021	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.1	0.5
10.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.8	0.7	0.5	0.4	0.0	0.0	0.0	0.4
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.5	0.4	0.3	0.2	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.8	0.6	0.5	0.5	0.0	0.0	0.0	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.7	0.6	0.5	0.5	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.7	0.7	0.7	0.6	0.0	0.0	0.0	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.9	0.9	0.9	0.7	0.0	0.0	0.0	0.7
70.	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.2	0.3	0.2	0.2	0.2	1.1	0.9	0.9	0.8	0.0	0.0	0.0	0.9
80.	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.0	0.3	0.3	0.2	0.2	1.1	1.0	0.7	0.6	0.0	0.0	0.0	1.4
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.6	0.6	0.4	0.4	0.0	0.0	0.1	1.7
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.2	0.6	1.0
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.6	0.5	0.7	0.5
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.8	0.8	0.7	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.6	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.7	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.1	0.9	0.8	0.8	0.7	0.5	0.5	0.5	0.4	0.3	0.5	0.2
150.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.8	0.7	0.7	0.5	0.5	0.4	0.3	0.4	0.2
160.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.1	1.0	1.0	0.9	0.8	0.6	0.5	0.4	0.3	0.4	0.2
170.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.4	1.3	1.1	0.9	0.9	0.8	0.6	0.5	0.3	0.3	0.4	0.2
180.	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	1.0	0.8	0.7	0.7	0.6	0.5	0.4	0.4	0.9	0.8	1.2	1.0
190.	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.1	1.6	1.4
200.	1.0	0.9	0.8	0.7	0.6	0.6	0.4	0.3	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.0	1.4	1.2
210.	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
220.	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.8	0.9
230.	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.5	0.7	0.9
240.	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.9
250.	0.8	0.7	0.7	0.6	0.4	0.4	0.3	0.3	0.7	0.6	0.3	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.8
260.	0.8	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.3	1.0	1.3	0.9
270.	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	1.6	1.1
280.	0.2	0.2	0.2	0.2	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.4	0.2	0.9	1.6
290.	0.2	0.2	0.2	0.2	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.1	0.3	0.2	0.5	1.6
300.	0.2	0.2	0.2	0.2	1.0	0.9	0.7	0.6	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.2	0.3	0.3	0.3	1.4
310.	0.2	0.2	0.2	0.2	0.9	0.9	0.8	0.8	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.4
320.	0.3	0.3	0.2	0.2	0.9	0.9	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.2
330.	0.3	0.3	0.2	0.2	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.4	0.4	0.5	1.1
340.	0.3	0.2	0.1	0.0	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.5	0.4	0.5	1.0
350.	0.1	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.3	0.1	0.5	0.9
360.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.1	0.5
MAX	1.0	0.9	0.8	0.7	1.0	0.9	0.8	0.8	1.4	1.3	1.1	1.0	1.1	1.0	0.9	0.8	1.3	1.1	1.6	1.7
DEGR.	190	190	190	190	300	310	310	310	170	170	170	160	70	80	60	70	190	190	190	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.4	2.1	0.4	0.1	2.6	0.8	0.5
10.	*	0.5	0.4	2.0	0.9	0.6	2.6	1.4	1.0
20.	*	0.5	0.4	1.4	0.8	0.6	1.8	1.3	0.9
30.	*	0.5	0.5	1.1	0.6	0.5	1.5	1.2	0.9
40.	*	0.6	0.5	1.0	0.5	0.4	1.2	0.9	0.7
50.	*	0.7	0.5	0.9	0.5	0.4	1.0	0.9	0.9
60.	*	0.8	0.6	0.9	0.5	0.3	1.2	1.1	1.0
70.	*	1.0	0.8	0.8	0.4	0.4	1.3	1.3	1.2
80.	*	1.4	0.8	0.8	0.4	0.3	1.9	1.8	1.4
90.	*	0.8	0.2	1.1	0.7	0.3	2.2	1.5	0.8
100.	*	0.1	0.0	1.6	1.2	0.7	1.4	0.8	0.5
110.	*	0.0	0.0	1.6	1.4	1.0	1.0	0.7	0.7
120.	*	0.0	0.0	1.6	1.4	1.0	0.9	0.8	0.6
130.	*	0.0	0.0	1.5	1.4	1.2	0.9	0.8	0.7
140.	*	0.0	0.0	1.6	1.3	1.2	1.2	0.9	0.7
150.	*	0.0	0.0	1.7	1.4	1.2	1.4	1.1	0.9
160.	*	0.0	0.0	2.0	1.7	1.4	1.8	1.4	1.0
170.	*	0.0	0.0	3.1	2.3	1.8	3.0	1.8	1.3
180.	*	0.6	0.5	3.9	2.1	1.4	3.7	1.6	0.9
190.	*	0.9	0.7	1.3	0.6	0.4	1.2	0.1	0.0
200.	*	0.8	0.7	0.7	0.5	0.4	0.5	0.0	0.0
210.	*	0.7	0.7	0.5	0.5	0.4	0.3	0.0	0.0
220.	*	0.6	0.5	0.6	0.6	0.5	0.2	0.0	0.0
230.	*	0.5	0.5	0.7	0.6	0.5	0.2	0.0	0.0
240.	*	0.5	0.5	0.8	0.7	0.6	0.2	0.0	0.0
250.	*	0.5	0.4	0.9	1.0	0.7	0.1	0.0	0.0
260.	*	0.5	0.4	1.4	1.4	0.7	0.1	0.0	0.0
270.	*	0.8	0.4	1.6	0.8	0.2	0.3	0.0	0.0
280.	*	1.3	0.7	0.9	0.1	0.0	0.7	0.4	0.3
290.	*	1.5	1.0	0.5	0.0	0.0	0.8	0.5	0.4
300.	*	1.5	1.2	0.4	0.0	0.0	0.7	0.5	0.4
310.	*	1.3	1.1	0.3	0.0	0.0	0.7	0.4	0.4
320.	*	1.0	1.0	0.3	0.0	0.0	0.6	0.4	0.3
330.	*	1.0	1.0	0.3	0.0	0.0	0.7	0.4	0.3
340.	*	1.0	0.8	0.4	0.0	0.0	0.8	0.3	0.3
350.	*	0.9	0.7	0.8	0.0	0.0	1.3	0.3	0.3
360.	*	0.6	0.4	2.1	0.4	0.1	2.6	0.8	0.5
MAX	*	1.5	1.2	3.9	2.3	1.8	3.7	1.8	1.4
DEGR.	*	290	300	180	170	170	180	80	80

THE HIGHEST CONCENTRATION OF 3.90 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station- Russell and I-15 SB Ramps- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:50:44

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C QUEUE	
	*	X1	Y1	X2	Y2	*							(VEH)	
1. Link_5	*	-7.6	152.4	-7.6	-1644.6	*	1797.	180. AG	152.	100.0	0.0	7.3	4.45	299.5
2. Link_7	*	-7.6	0.0	-7.6	-152.4	*	152.	180. AG	1656.	6.1	0.0	13.4		
3. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2778.	6.1	0.0	17.0		
4. Link_12	*	152.4	7.6	142.3	7.6	*	10.	270. AG	95.	100.0	0.0	18.3	0.57	1.7
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2661.	6.1	0.0	17.0		
6. Link_4	*	-152.4	-7.6	-124.5	-7.6	*	28.	90. AG	76.	100.0	0.0	14.6	0.90	4.6

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)		
1. Link_5	*	60	48	2.0	1424	1200	35.50	1	3
4. Link_12	*	60	12	2.0	2515	1200	35.50	1	3
6. Link_4	*	60	12	2.0	3156	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.1	0.5
10.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.8	0.7	0.5	0.4	0.0	0.0	0.0	0.4
20.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.5	0.4	0.3	0.2	0.8	0.8	0.7	0.6	0.0	0.0	0.0	0.4
30.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.8	0.7	0.5	0.5	0.0	0.0	0.0	0.5
40.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.7	0.6	0.6	0.6	0.0	0.0	0.0	0.5
50.	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.2	0.8	0.7	0.7	0.7	0.0	0.0	0.0	0.6
60.	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.8
70.	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.2	0.3	0.3	0.2	0.2	1.1	1.1	0.9	0.9	0.0	0.0	0.0	1.0
80.	0.0	0.0	0.0	0.0	0.5	0.3	0.1	0.0	0.3	0.3	0.2	0.2	1.2	1.0	0.7	0.7	0.0	0.0	0.0	1.5
90.	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.7	0.6	0.4	0.4	0.0	0.0	0.2	1.7
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.2	0.7	1.0
110.	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.5	0.5	0.5	0.4	0.4	0.6	0.5	0.7	0.5
120.	0.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.6	0.3
130.	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.8	0.8	0.8	0.6	0.5	0.5	0.5	0.4	0.4	0.5	0.2
140.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.1	0.9	0.8	0.8	0.7	0.5	0.5	0.5	0.4	0.3	0.5	0.2
150.	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	1.0	0.8	0.8	0.7	0.7	0.5	0.5	0.4	0.3	0.5	0.2
160.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.3	1.1	1.0	1.0	0.9	0.8	0.6	0.5	0.4	0.3	0.4	0.2
170.	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.6	1.3	1.1	1.0	1.1	0.8	0.6	0.6	0.3	0.3	0.4	0.2
180.	0.7	0.7	0.6	0.5	0.4	0.4	0.3	0.3	1.2	0.8	0.8	0.7	0.7	0.5	0.4	0.4	1.0	0.8	1.2	1.0
190.	1.0	0.9	0.9	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.1	1.6	1.4
200.	1.0	0.9	0.9	0.7	0.6	0.6	0.5	0.3	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.3	1.0	1.4	1.2
210.	0.8	0.8	0.8	0.7	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
220.	0.6	0.7	0.7	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.8	0.9
230.	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.6	0.6	0.7	1.0
240.	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.9
250.	0.8	0.7	0.7	0.6	0.4	0.4	0.3	0.3	0.7	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.9	0.8	0.8	0.9
260.	0.8	0.7	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.4	1.1	1.4	0.9
270.	0.3	0.3	0.2	0.2	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.5	1.7	1.1
280.	0.2	0.2	0.2	0.2	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.4	0.3	0.9	1.6
290.	0.2	0.2	0.2	0.2	0.9	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.3	0.2	0.5	1.6
300.	0.2	0.2	0.2	0.2	1.0	0.9	0.8	0.6	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.2	0.3	0.3	0.3	1.4
310.	0.3	0.2	0.2	0.2	1.0	1.0	0.8	0.8	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.4	1.4
320.	0.3	0.3	0.3	0.2	0.9	0.9	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.4	0.3	0.4	1.2
330.	0.3	0.3	0.2	0.2	0.7	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.4	0.4	0.5	1.1
340.	0.3	0.2	0.1	0.0	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.5	0.4	0.6	1.1
350.	0.1	0.0	0.0	0.0	0.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.3	0.2	0.5	1.0
360.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.2	0.0	0.0	0.1	0.5
MAX	1.0	0.9	0.9	0.7	1.0	1.0	0.8	0.8	1.6	1.3	1.1	1.0	1.2	1.1	0.9	0.9	1.4	1.1	1.7	1.7
DEGR.	190	190	190	190	300	310	300	310	170	170	170	160	80	70	60	70	260	190	270	90

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.6	0.4	2.1	0.4	0.1	2.7	0.8	0.5	
10.	*	0.5	0.4	2.1	0.9	0.6	2.6	1.4	1.0	
20.	*	0.5	0.4	1.4	0.8	0.6	1.8	1.3	0.9	
30.	*	0.5	0.5	1.1	0.6	0.5	1.5	1.2	0.9	
40.	*	0.6	0.5	1.0	0.5	0.4	1.3	0.9	0.8	
50.	*	0.7	0.6	1.0	0.5	0.4	1.2	0.9	0.9	
60.	*	0.8	0.7	0.9	0.5	0.3	1.2	1.1	1.0	
70.	*	1.1	0.8	0.8	0.4	0.4	1.3	1.3	1.4	
80.	*	1.4	0.8	0.9	0.4	0.3	1.9	1.8	1.4	
90.	*	0.9	0.2	1.1	0.7	0.3	2.2	1.5	0.9	
100.	*	0.1	0.0	1.6	1.2	0.7	1.4	0.8	0.5	
110.	*	0.0	0.0	1.6	1.4	1.0	1.0	0.7	0.7	
120.	*	0.0	0.0	1.7	1.5	1.0	0.9	0.8	0.6	
130.	*	0.0	0.0	1.7	1.4	1.2	1.0	0.9	0.7	
140.	*	0.0	0.0	1.6	1.3	1.2	1.2	0.9	0.7	
150.	*	0.0	0.0	1.7	1.4	1.3	1.4	1.1	0.9	
160.	*	0.0	0.0	2.0	1.7	1.4	1.8	1.4	1.0	
170.	*	0.0	0.0	3.1	2.4	1.8	3.0	1.9	1.3	
180.	*	0.6	0.5	4.0	2.1	1.5	3.8	1.6	0.9	
190.	*	0.9	0.7	1.4	0.6	0.4	1.3	0.1	0.0	
200.	*	0.8	0.7	0.7	0.5	0.4	0.5	0.0	0.0	
210.	*	0.7	0.7	0.6	0.5	0.5	0.3	0.0	0.0	
220.	*	0.7	0.5	0.6	0.6	0.5	0.2	0.0	0.0	
230.	*	0.5	0.5	0.7	0.7	0.5	0.2	0.0	0.0	
240.	*	0.5	0.5	0.8	0.8	0.6	0.2	0.0	0.0	
250.	*	0.5	0.4	0.9	1.0	0.7	0.1	0.0	0.0	
260.	*	0.5	0.5	1.5	1.4	0.7	0.1	0.0	0.0	
270.	*	0.8	0.4	1.6	0.8	0.2	0.3	0.0	0.0	
280.	*	1.4	0.8	1.0	0.1	0.0	0.7	0.4	0.3	
290.	*	1.5	1.0	0.5	0.0	0.0	0.8	0.6	0.5	
300.	*	1.5	1.2	0.4	0.0	0.0	0.8	0.5	0.4	
310.	*	1.3	1.1	0.3	0.0	0.0	0.7	0.4	0.4	
320.	*	1.2	1.0	0.3	0.0	0.0	0.7	0.4	0.3	
330.	*	1.0	1.0	0.3	0.0	0.0	0.7	0.4	0.3	
340.	*	1.0	0.8	0.4	0.0	0.0	0.8	0.4	0.3	
350.	*	0.9	0.7	0.8	0.0	0.0	1.3	0.3	0.3	
360.	*	0.6	0.4	2.1	0.4	0.1	2.7	0.8	0.5	
MAX	*	1.5	1.2	4.0	2.4	1.8	3.8	1.9	1.4	
DEGR.	*	290	300	180	170	170	180	170	70	

THE HIGHEST CONCENTRATION OF 4.00 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station- Russell and I-15 NB Ramps- With project- DEMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:52:25

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH (M)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
		X1	Y1	X2	Y2									
1. Link_5	*	-7.6	0.0	-7.6	152.4	*	152.	360. AG	1738.	6.1	0.0	13.4		
2. Link_7	*	-7.6	-152.4	-7.6	379.5	*	532.	360. AG	238.	100.0	0.0	11.0	2.31	88.6
3. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	1991.	6.1	0.0	17.0		
4. Link_12	*	152.4	7.6	143.2	7.6	*	9.	270. AG	79.	100.0	0.0	14.6	0.60	1.5
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2144.	6.1	0.0	17.0		
6. Link_4	*	-152.4	-7.6	-142.9	-7.6	*	10.	90. AG	63.	100.0	0.0	18.3	0.62	1.6

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
		LENGTH (SEC)	TIME (SEC)	LOST TIME (SEC)	VOL (VPH)	FLOW RATE (VPH)	EM FAC (gm/hr)	TYPE	RATE
2. Link_7	*	60	50	2.0	832	1200	35.50	1	3
4. Link_12	*	60	10	2.0	2751	1200	35.50	1	3
6. Link_4	*	60	10	2.0	2290	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)			*
	X	Y	Z	
1. Rcpt_1	29.0	29.0	1.8	*
2. Rcpt_2	35.1	35.1	1.8	*
3. Rcpt_3	41.1	41.1	1.8	*
4. Rcpt_4	47.2	47.2	1.8	*
5. Rcpt_5	29.0	-29.0	1.8	*
6. Rcpt_6	32.0	-32.0	1.8	*
7. Rcpt_7	41.1	-41.1	1.8	*
8. Rcpt_8	47.2	-47.2	1.8	*
9. Rcpt_9	-29.0	29.0	1.8	*
10. Rcpt_10	-35.1	35.1	1.8	*
11. Rcpt_11	-41.1	41.1	1.8	*
12. Rcpt_12	-47.2	47.2	1.8	*
13. Rcpt_13	-29.0	-29.0	1.8	*
14. Rcpt_14	-35.1	-35.1	1.8	*
15. Rcpt_15	-41.1	-41.1	1.8	*
16. Rcpt_16	-47.2	-47.2	1.8	*
17. Rcpt_17	16.8	16.8	1.8	*
18. Rcpt_18	22.9	22.9	1.8	*
19. Rcpt_19	10.7	10.7	1.8	*
20. Rcpt_20	10.7	-10.7	1.8	*
21. Rcpt_21	16.8	-16.8	1.8	*
22. Rcpt_22	22.9	-22.9	1.8	*
23. Rcpt_23	-10.7	10.7	1.8	*
24. Rcpt_24	-16.8	16.8	1.8	*
25. Rcpt_25	-22.9	22.9	1.8	*
26. Rcpt_26	-10.7	-10.7	1.8	*
27. Rcpt_27	-16.8	-16.8	1.8	*
28. Rcpt_28	-22.9	-22.9	1.8	*

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.1	0.1	0.0	0.0	0.5	0.5	0.3	0.3	0.5	0.3	0.2	0.1	0.8	0.6	0.4	0.4	0.4	0.2	0.7	1.0
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.4	1.0	0.9	0.6	1.8	1.5	1.2	1.1	0.0	0.0	0.0	0.3
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.3	1.1	0.9	0.7	1.5	1.3	1.2	1.1	0.0	0.0	0.0	0.3
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.0	0.9	0.9	0.7	1.1	1.0	1.0	0.9	0.0	0.0	0.0	0.3
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.9	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.0	0.0	0.0	0.4
50.	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.5
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.7	0.7	0.6	0.6	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.6
70.	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.2	0.7	0.7	0.6	0.6	0.9	0.9	0.8	0.7	0.0	0.0	0.0	0.7
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.7	0.7	0.6	0.6	1.0	0.8	0.6	0.6	0.0	0.0	0.0	1.0
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.0	0.0	0.1	1.2
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.7	0.5	0.5	0.4	0.4	0.3	0.1	0.5	0.7
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.9	0.8	0.5	0.5	0.4	0.4	0.4	0.3	0.5	0.4
120.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.0	0.8	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.2
130.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.1	0.9	0.5	0.5	0.5	0.4	0.3	0.3	0.4	0.1
140.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.1	0.9	0.9	0.6	0.5	0.5	0.5	0.3	0.2	0.3	0.1
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.1	1.0	0.8	0.7	0.7	0.6	0.6	0.5	0.3	0.2	0.3	0.2
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.0	0.8	0.8	0.7	0.5	0.3	0.3	0.2	0.3	0.2
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.1	0.9	0.7	0.5	0.6	0.3	0.1	0.0	0.3	0.2	0.3	0.2
180.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.2	0.5	0.4
190.	0.5	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.7	1.2	0.9
200.	0.8	0.8	0.7	0.6	0.5	0.4	0.1	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	0.9	1.2	1.0
210.	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.9	0.8	1.0	0.9
220.	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.8	0.9
230.	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.8
240.	0.9	0.9	0.9	0.8	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.8
250.	1.1	0.9	0.9	0.7	0.4	0.4	0.3	0.3	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.2	0.9
260.	1.1	1.0	0.8	0.6	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.6	1.3	1.6	0.8
270.	0.7	0.7	0.5	0.4	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.9	1.8	1.0
280.	0.6	0.6	0.5	0.4	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.8	0.6	1.2	1.4
290.	0.6	0.5	0.4	0.4	0.8	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.7	0.6	1.1	1.5
300.	0.6	0.6	0.6	0.5	0.8	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.7	0.6	0.9	1.5
310.	0.7	0.6	0.6	0.5	1.1	0.9	0.9	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.7	0.7	0.9	1.6
320.	0.7	0.7	0.6	0.6	1.1	1.1	0.9	0.9	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.9	0.7	1.0	1.6
330.	0.8	0.7	0.7	0.6	1.2	1.0	0.9	0.9	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.0	0.9	1.2	1.7
340.	0.9	0.7	0.7	0.5	1.3	1.2	1.0	0.9	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.2	1.0	1.4	1.7
350.	0.7	0.6	0.5	0.4	1.3	1.1	0.9	0.7	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.2	1.0	1.7	2.0
360.	0.1	0.1	0.0	0.0	0.5	0.5	0.3	0.3	0.5	0.3	0.2	0.1	0.8	0.6	0.4	0.4	0.4	0.2	0.7	1.0
MAX	1.1	1.0	0.9	0.8	1.3	1.2	1.0	0.9	1.4	1.1	1.1	0.9	1.8	1.5	1.2	1.1	1.6	1.3	1.8	2.0
DEGR.	250	260	240	240	340	340	340	320	10	20	130	130	10	10	10	10	260	260	270	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.8	0.6	4.9	1.8	0.9	4.8	2.1	1.2
10.	*		0.4	0.3	3.9	2.7	1.9	3.7	2.9	2.1
20.	*		0.4	0.3	2.5	2.0	1.5	2.3	2.1	1.7
30.	*		0.4	0.3	1.9	1.6	1.2	1.7	1.5	1.2
40.	*		0.4	0.4	1.6	1.3	1.0	1.2	1.1	0.9
50.	*		0.5	0.4	1.5	1.2	0.9	1.0	0.9	0.7
60.	*		0.6	0.5	1.3	1.1	0.9	1.0	1.0	0.9
70.	*		0.8	0.6	1.3	1.0	0.9	1.1	1.2	1.1
80.	*		1.0	0.6	1.3	1.0	0.9	1.5	1.5	1.2
90.	*		0.6	0.2	1.4	1.2	0.9	1.7	1.3	0.8
100.	*		0.1	0.0	1.8	1.7	1.2	1.2	0.8	0.6
110.	*		0.0	0.0	1.8	1.7	1.4	0.8	0.7	0.6
120.	*		0.0	0.0	1.9	1.9	1.4	0.8	0.8	0.6
130.	*		0.0	0.0	1.9	1.9	1.5	0.9	0.8	0.6
140.	*		0.0	0.0	2.0	1.9	1.6	1.0	0.9	0.7
150.	*		0.0	0.0	2.2	1.9	1.5	1.3	1.1	0.8
160.	*		0.0	0.0	2.3	2.0	1.3	1.7	1.3	1.0
170.	*		0.0	0.0	3.2	2.2	1.5	2.5	1.6	1.0
180.	*		0.1	0.0	3.6	1.3	0.7	2.9	0.8	0.2
190.	*		0.5	0.3	2.0	0.5	0.3	1.4	0.1	0.0
200.	*		0.8	0.6	1.1	0.4	0.3	0.6	0.0	0.0
210.	*		0.7	0.6	0.9	0.4	0.4	0.3	0.0	0.0
220.	*		0.6	0.5	0.7	0.5	0.4	0.2	0.0	0.0
230.	*		0.5	0.5	0.8	0.5	0.4	0.2	0.0	0.0
240.	*		0.5	0.4	0.9	0.6	0.5	0.2	0.0	0.0
250.	*		0.5	0.4	0.9	0.8	0.6	0.1	0.0	0.0
260.	*		0.5	0.4	1.3	1.1	0.6	0.1	0.0	0.0
270.	*		0.7	0.4	1.6	0.7	0.2	0.3	0.0	0.0
280.	*		1.2	0.7	1.0	0.1	0.0	0.6	0.3	0.2
290.	*		1.3	0.9	0.6	0.0	0.0	0.6	0.5	0.4
300.	*		1.3	0.9	0.5	0.0	0.0	0.7	0.4	0.4
310.	*		1.4	1.2	0.4	0.0	0.0	0.6	0.3	0.3
320.	*		1.5	1.3	0.4	0.0	0.0	0.6	0.3	0.3
330.	*		1.5	1.3	0.7	0.0	0.0	0.7	0.3	0.3
340.	*		1.6	1.3	1.1	0.0	0.0	1.0	0.3	0.3
350.	*		1.8	1.4	2.2	0.1	0.0	2.0	0.4	0.2
360.	*		0.8	0.6	4.9	1.8	0.9	4.8	2.1	1.2
MAX	*		1.8	1.4	4.9	2.7	1.9	4.8	2.9	2.1
DEGR.	*		350	350	0	10	10	0	10	10

THE HIGHEST CONCENTRATION OF 4.90 PPM OCCURRED AT RECEPTOR REC23.

JOB: 2030South_station- Russell and I-15 NB Ramps- With project- EMU

RUN: CAL3QHC RUN

DATE : 9/14/ 8
 TIME : 15:52:55

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

SITE & METEOROLOGICAL VARIABLES

 VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M)				*	LENGTH	BRG TYPE	VPH	EF	H	W	V/C	QUEUE
	*	X1	Y1	X2	Y2	*	(M)	(DEG)	(G/MI)	(M)	(M)		(VEH)	
1. Link_5	*	-7.6	0.0	-7.6	152.4	*	152.	360. AG	1774.	6.1	0.0	13.4		
2. Link_7	*	-7.6	-152.4	-7.6	414.9	*	567.	360. AG	238.	100.0	0.0	11.0	2.40 94.5	
3. Link_10	*	0.0	-7.6	152.4	-7.6	*	152.	90. AG	2058.	6.1	0.0	17.0		
4. Link_12	*	152.4	7.6	143.0	7.6	*	9.	270. AG	79.	100.0	0.0	14.6	0.61 1.6	
5. Link_13	*	0.0	7.6	-152.4	7.6	*	152.	270. AG	2243.	6.1	0.0	17.0		
6. Link_4	*	-152.4	-7.6	-142.4	-7.6	*	10.	90. AG	63.	100.0	0.0	18.3	0.65 1.7	

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE	RED	CLEARANCE	APPROACH	SATURATION	IDLE	SIGNAL	ARRIVAL
	*	LENGTH	TIME	LOST TIME	VOL	FLOW RATE	EM FAC	TYPE	RATE
	*	(SEC)	(SEC)	(SEC)	(VPH)	(VPH)	(gm/hr)		
2. Link_7	*	60	50	2.0	865	1200	35.50	1	3
4. Link_12	*	60	10	2.0	2817	1200	35.50	1	3
6. Link_4	*	60	10	2.0	2393	1200	35.50	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M)		
	X	Y	Z
1. Rcpt_1	29.0	29.0	1.8
2. Rcpt_2	35.1	35.1	1.8
3. Rcpt_3	41.1	41.1	1.8
4. Rcpt_4	47.2	47.2	1.8
5. Rcpt_5	29.0	-29.0	1.8
6. Rcpt_6	32.0	-32.0	1.8
7. Rcpt_7	41.1	-41.1	1.8
8. Rcpt_8	47.2	-47.2	1.8
9. Rcpt_9	-29.0	29.0	1.8
10. Rcpt_10	-35.1	35.1	1.8
11. Rcpt_11	-41.1	41.1	1.8
12. Rcpt_12	-47.2	47.2	1.8
13. Rcpt_13	-29.0	-29.0	1.8
14. Rcpt_14	-35.1	-35.1	1.8
15. Rcpt_15	-41.1	-41.1	1.8
16. Rcpt_16	-47.2	-47.2	1.8
17. Rcpt_17	16.8	16.8	1.8
18. Rcpt_18	22.9	22.9	1.8
19. Rcpt_19	10.7	10.7	1.8
20. Rcpt_20	10.7	-10.7	1.8
21. Rcpt_21	16.8	-16.8	1.8
22. Rcpt_22	22.9	-22.9	1.8
23. Rcpt_23	-10.7	10.7	1.8
24. Rcpt_24	-16.8	16.8	1.8
25. Rcpt_25	-22.9	22.9	1.8
26. Rcpt_26	-10.7	-10.7	1.8
27. Rcpt_27	-16.8	-16.8	1.8
28. Rcpt_28	-22.9	-22.9	1.8

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	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.2	0.1	0.1	0.0	0.5	0.5	0.3	0.3	0.5	0.3	0.2	0.1	0.9	0.6	0.5	0.4	0.4	0.3	0.8	1.1
10.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.4	1.1	0.9	0.7	1.8	1.5	1.3	1.2	0.0	0.0	0.0	0.3
20.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.3	1.1	0.9	0.7	1.6	1.3	1.2	1.1	0.0	0.0	0.0	0.3
30.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	1.0	0.9	0.9	0.7	1.1	1.0	1.0	0.9	0.0	0.0	0.0	0.4
40.	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.2	0.9	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.0	0.0	0.0	0.4
50.	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.5
60.	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.8	0.7	0.6	0.6	0.8	0.8	0.7	0.7	0.0	0.0	0.0	0.6
70.	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.2	0.8	0.7	0.6	0.6	1.0	0.9	0.8	0.7	0.0	0.0	0.0	0.7
80.	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.7	0.7	0.6	0.6	1.0	0.9	0.7	0.6	0.0	0.0	0.0	1.1
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.0	0.0	0.1	1.3
100.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.7	0.5	0.5	0.4	0.4	0.3	0.2	0.5	0.7
110.	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.8	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.4
120.	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.0	0.8	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.2
130.	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.3	1.1	1.1	1.0	0.5	0.5	0.5	0.4	0.3	0.3	0.4	0.1
140.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.0	0.9	0.6	0.5	0.5	0.5	0.3	0.3	0.4	0.1
150.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.7	0.7	0.6	0.6	0.5	0.3	0.3	0.3	0.2
160.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.0	0.8	0.8	0.7	0.5	0.3	0.3	0.3	0.3	0.2
170.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.1	0.9	0.7	0.5	0.6	0.3	0.1	0.0	0.3	0.2	0.3	0.2
180.	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.5	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.4	0.2	0.5	0.4
190.	0.5	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	1.0	0.7	1.2	0.9
200.	0.8	0.8	0.7	0.6	0.5	0.4	0.1	0.0	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	1.1	0.9	1.2	1.0
210.	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.9	0.8	1.0	0.9
220.	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.6	0.8	0.9
230.	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.8
240.	0.9	0.9	0.9	0.8	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.8
250.	1.1	1.0	0.9	0.8	0.4	0.4	0.3	0.3	0.5	0.4	0.3	0.2	0.0	0.0	0.0	0.0	1.2	1.1	1.2	0.9
260.	1.1	1.0	0.8	0.7	0.4	0.4	0.3	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	1.6	1.3	1.6	0.8
270.	0.7	0.7	0.5	0.5	0.4	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.9	1.9	1.0
280.	0.6	0.6	0.5	0.5	0.6	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.8	0.6	1.2	1.4
290.	0.6	0.5	0.5	0.4	0.8	0.8	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.7	0.6	1.1	1.5
300.	0.6	0.6	0.6	0.5	0.8	0.8	0.7	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.7	0.6	0.9	1.6
310.	0.7	0.6	0.6	0.5	1.1	0.9	0.9	0.7	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.7	0.7	0.9	1.6
320.	0.7	0.7	0.6	0.6	1.2	1.1	0.9	0.9	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.9	0.7	1.0	1.6
330.	0.9	0.7	0.7	0.6	1.2	1.0	0.9	0.9	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.0	0.9	1.2	1.7
340.	0.9	0.7	0.7	0.5	1.3	1.2	1.0	1.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	1.2	1.0	1.4	1.8
350.	0.9	0.6	0.5	0.4	1.3	1.2	0.9	0.8	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	1.3	1.0	1.7	2.0
360.	0.2	0.1	0.1	0.0	0.5	0.5	0.3	0.3	0.5	0.3	0.2	0.1	0.9	0.6	0.5	0.4	0.4	0.3	0.8	1.1
MAX	1.1	1.0	0.9	0.8	1.3	1.2	1.0	1.0	1.4	1.1	1.1	1.0	1.8	1.5	1.3	1.2	1.6	1.3	1.9	2.0
DEGR.	250	250	240	240	340	340	340	340	10	10	130	130	10	10	10	10	260	260	270	350

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*		0.9	0.6	5.0	1.8	0.9	4.9	2.3	1.4
10.	*		0.4	0.3	4.0	2.7	1.9	3.8	2.9	2.2
20.	*		0.4	0.3	2.5	2.1	1.5	2.3	2.1	1.7
30.	*		0.4	0.4	2.0	1.6	1.2	1.7	1.5	1.2
40.	*		0.5	0.4	1.6	1.3	1.0	1.2	1.1	0.9
50.	*		0.5	0.4	1.5	1.2	0.9	1.0	0.9	0.7
60.	*		0.6	0.5	1.3	1.1	0.9	1.0	1.0	0.9
70.	*		0.8	0.6	1.3	1.0	0.9	1.1	1.2	1.1
80.	*		1.0	0.6	1.3	1.0	0.9	1.5	1.5	1.3
90.	*		0.6	0.2	1.4	1.2	0.9	1.7	1.3	0.8
100.	*		0.1	0.0	1.8	1.7	1.2	1.2	0.8	0.6
110.	*		0.0	0.0	1.9	1.8	1.4	0.9	0.7	0.6
120.	*		0.0	0.0	1.9	1.9	1.4	0.8	0.8	0.6
130.	*		0.0	0.0	1.9	1.9	1.6	0.9	0.8	0.6
140.	*		0.0	0.0	2.1	2.0	1.6	1.0	0.9	0.7
150.	*		0.0	0.0	2.3	1.9	1.5	1.3	1.1	0.8
160.	*		0.0	0.0	2.4	2.0	1.3	1.7	1.3	1.0
170.	*		0.0	0.0	3.2	2.2	1.5	2.5	1.6	1.0
180.	*		0.1	0.0	3.6	1.3	0.8	2.9	0.8	0.2
190.	*		0.5	0.3	2.0	0.5	0.3	1.4	0.1	0.0
200.	*		0.8	0.6	1.2	0.4	0.4	0.6	0.0	0.0
210.	*		0.7	0.6	0.9	0.4	0.4	0.3	0.0	0.0
220.	*		0.6	0.5	0.7	0.5	0.4	0.2	0.0	0.0
230.	*		0.5	0.5	0.8	0.5	0.5	0.2	0.0	0.0
240.	*		0.5	0.4	0.9	0.6	0.5	0.2	0.0	0.0
250.	*		0.5	0.4	1.0	0.9	0.6	0.1	0.0	0.0
260.	*		0.5	0.4	1.4	1.1	0.6	0.1	0.0	0.0
270.	*		0.7	0.4	1.7	0.7	0.2	0.3	0.0	0.0
280.	*		1.2	0.7	1.0	0.1	0.0	0.6	0.3	0.2
290.	*		1.3	0.9	0.6	0.0	0.0	0.7	0.5	0.4
300.	*		1.4	1.0	0.6	0.0	0.0	0.7	0.4	0.4
310.	*		1.4	1.2	0.4	0.0	0.0	0.6	0.4	0.3
320.	*		1.5	1.3	0.5	0.0	0.0	0.6	0.3	0.3
330.	*		1.5	1.3	0.7	0.0	0.0	0.7	0.3	0.3
340.	*		1.6	1.3	1.1	0.0	0.0	1.0	0.3	0.3
350.	*		1.8	1.4	2.2	0.1	0.0	2.2	0.4	0.3
360.	*		0.9	0.6	5.0	1.8	0.9	4.9	2.3	1.4
MAX	*		1.8	1.4	5.0	2.7	1.9	4.9	2.9	2.2
DEGR.	*		350	350	0	10	10	0	10	10

THE HIGHEST CONCENTRATION OF 5.00 PPM OCCURRED AT RECEPTOR REC23.

EMU Criteria Pollutant and GHG Emissions

Analysis Year	Total Electricity Usage		Criteria Pollutant Emissions (pounds/day)						GHG Emissions (pounds/day)			
	<u>(KWh\year)</u>	<u>(MWh\Day)</u>	<u>CO</u> <u>0.2</u>	<u>ROC</u> <u>0.01</u>	<u>NOx</u> <u>1.15</u>	<u>PM10</u> <u>0.04</u>	<u>PM2.5</u> <u>0.0368</u>	<u>SOx</u> <u>0.12</u>	<u>CO₂</u> <u>804.54</u>	<u>CH₄</u> <u>0.0067</u>	<u>N₂O</u> <u>0.0037</u>	<u>CO₂e</u>
Year 2013	161,305,390	441.933	88	4	508	18	16	53	355,552	3	2	356,122
Year 2030	255,308,070	699.474	140	7	804	28	26	84	562,755	5	3	563,656
			Tons/Year Emissions						Metric Tons/Year Emissions			
Year 2013			16.1	0.8	92.8	3.2	3.0	9.7	58,866	0.5	0.3	58,960
	CA Portion		13	1	75	3	2	8	47,387	0	0	47,463
	NV Portion		3	0	18	1	1	2	11,479	0	0	11,497
Year 2030			25.5	1.3	146.8	5.1	4.7	15.3	93,170	0.8	0.4	93,320
	CA Portion		21	1	118	4	4	12	75,002	1	0	75,122
	NV Portion		5	0	29	1	1	3	18,168	0	0	18,197

DesertXpress -- DEMU Emission Factor Derivation

DAE

09/25/08

Criteria Pollutants

Emissions per Trip (model year 2011 DEMU)		NOx+HC	PM	CO
EU Stage IIIA emission factor (g/KWh)		4.0	0.2	3.5
Energy used per trip (KWh)	14711.3			
Emissions per trip (g)		58,845	2,942	51,490

Source: JSA, DEMU Emissions Profile Table.doc

Break out NOx vs. HC assuming same proportions as in US Tier 2 standards:

US Tier 2 Standard for line-haul locos.		NOx	HC	NOx+HC	PM	CO
Standard (g/bhp-hr)		5.5	0.30	5.8	0.10	1.50
Convert to g/KWh (@ 1.3412 bhp-hr/KWh)	1.3412	7.38	0.40	7.78	0.13	2.01
% NOx vs. HC		94.8%	5.2%	100.0%		

Source: 40 CFR 1033.101, Table 1

Emissions per Trip with NOx and HC Separated		NOx	HC	PM	CO
Emissions per trip (g)		55,801	3,044	2,942	51,490

Fuel Usage	DEMU in 2012
Fleet Mileage Total* (train-miles/year)	4,420,547
Trip Distance (round trip miles)	366
Round trips/yr*	12,078
Diesel Fuel Consumption* (gal/yr)	13,847,000
Fuel used per trip* (gal/round trip)	1,146

* Includes 5% buffer.

Source: JSA, DXE Operating Statistics 2007 EMU and DEMU 28 Nov 07 IW TB.doc

Fuel-Based Emission Factors Derived from Above		NOx	HC	PM	CO
(g/gal) diesel fuel		48.7	2.7	2.6	44.9

Greenhouse Gases

Fuel-Based Emission Factors (g/gal)		CO2	CH4	N2O
CA low-sulfur diesel (for fueling in Victorville)		9,960	1.4	0.1
Non-CA diesel/diesel #2 fuel (for fueling in Las Vegas)		10,050	1.4	0.1
Average		10,005	1.4	0.1

CO2 source: US Energy Information Admin., as cited in California Climate Action Registry, *General Reporting Protocol*, version 2.2, March 2007, Table C.3.

CH4 & N2O source: Intergovernmental Panel on Climate Change, *Revised IPCC Guidelines for National Greenhouse Gas Inventories: Reference Manual*, 1996, as cited in California Climate Action Registry, *General Reporting Protocol*, version 2.2, March 2007, Table C.6.

DEMU Criteria Pollutant Emissions

Analysis Year	Fuel Use (Gal/Year)	Criteria Pollutant Emissions (tons/year)						Criteria Pollutant Emissions (lbs/day)					
		CO 44.90	ROC 2.70	NOx 48.70	PM10 2.60	PM2.5 2.39	SOx 3.40	CO	ROC	NOx	PM10	PM2.5	SOx
Year 2013	14,371,733.333	711	43	772	41	38	54	3,898	234	4,227	226	208	295
California Portion		573	34	621	33	31	43	3,138	189	3,403	182	167	238
Nevada Portion		139	8	150	8	7	11	760	46	824	44	40	58

Analysis Year	Fuel Use (Gal/Year)	Criteria Pollutant Emissions (tons/year)						Criteria Pollutant Emissions (lbs/day)					
		CO 44.90	ROC 2.70	NOx 48.70	PM10 2.60	PM2.5 2.39	SOx 3.40	CO	ROC	NOx	PM10	PM2.5	SOx
Year 2030	23,292,200.000	1,153	69	1,250	67	61	87	6,317	380	6,851	366	337	479
California Portion		928	56	1,007	54	49	70	5,085	306	5,515	294	271	385
Nevada Portion		225	14	244	13	12	17	1,232	74	1,336	71	66	93

DEMU GHG Emissions

	Greenhouse Gas		
	CO ₂	CH ₄	N ₂ O
Grams per gallon content	10,005.00	1.40	0.10

Analysis Year	Estimated Fuel Use	Annual Emissions (kg)		
		CO ₂	CH ₄	N ₂ O
2013	14,371,733	143,789,192	20,120	1,437
2030	23,292,200	233,038,461	32,609	2,329

Analysis Year		CO ₂ e Emissions (metric tons/year)			
		CO ₂	CH ₄	N ₂ O	CO ₂ e
2013		143,789	423	446	144,657
	CA Portion	115,750	340	359	116,449
	NV Portion	28,039	82	87	28,208
2030		233,038	685	722	234,445
	CA Portion	187,596	551	581	188,728
	NV Portion	45,442	134	141	45,717

Analysis Year		CO ₂ e Emissions (lbs/day)			
		CO ₂	CH ₄	N ₂ O	CO ₂ e
2013		1,055,463	3,102	3,270	1,061,835
	CA Portion	849,648	2,497	2,633	854,777
	NV Portion	205,815	605	638	207,058
2030		1,710,585	5,027	5,300	1,720,911
	CA Portion	1,377,021	4,046	4,267	1,385,334
	NV Portion	333,564	980	1,034	335,578