

CAL3QHC Model Output

**Harbor / SR-47 EB Offramp / Swinford
p.m. Peak Hour**

Proposed Project - 2005

JOB: INT 32 PP2005PM

RUN: INT 32 PP2005PM

DATE : 11/12/ 7
 TIME : 15:36:23

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 BRG = 0. DEGREES

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EBL	* -36.0	-12.0	-75.6	-12.0	* 40.	270.	AG	161.	100.0	0.0	24.0	0.36	2.0
2. EBR	* -36.0	-30.0	-10059.1	-32.4	* *****	270.	AG	67.	100.0	0.0	12.0	3.15	509.2
3. WBT	* 36.0	12.0	56.2	12.0	* 20.	90.	AG	161.	100.0	0.0	24.0	0.18	1.0
4. NBL	* -6.0	-24.0	-6.0	-1714.6	* 1691.	180.	AG	67.	100.0	0.0	12.0	1.32	85.9
5. NBT	* 18.0	-24.0	18.0	-110.4	* 86.	180.	AG	157.	100.0	0.0	36.0	0.50	4.4
6. SBL	* -6.0	24.0	-6.0	27.7	* 4.	360.	AG	88.	100.0	0.0	12.0	0.05	0.2
7. SBT	* -24.0	24.0	-24.0	77.2	* 53.	360.	AG	146.	100.0	0.0	24.0	0.39	2.7
8. EBA	* -1000.0	-12.0	0.0	-12.0	* 1000.	90.	AG	1573.	5.5	0.0	44.0		
9. EBD	* 0.0	-6.0	1000.0	-6.0	* 1000.	90.	AG	65.	5.5	0.0	32.0		
10. WBA	* 1000.0	12.0	0.0	12.0	* 1000.	270.	AG	97.	5.5	0.0	44.0		
11. WBD	* 0.0	12.0	-1000.0	12.0	* 1000.	270.	AG	696.	5.5	0.0	44.0		
12. NBA	* 12.0	-1000.0	12.0	0.0	* 1000.	360.	AG	1530.	5.5	0.0	56.0		
13. NBD	* 24.0	0.0	24.0	1000.0	* 1000.	360.	AG	1119.	5.5	0.0	44.0		
14. SBA	* -24.0	1000.0	-24.0	0.0	* 1000.	180.	AG	286.	5.5	0.0	44.0		
15. SBD	* -24.0	0.0	-24.0	-1000.0	* 1000.	180.	AG	1606.	5.5	0.0	44.0		

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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. EBL	* 100	77	2.0	188	1375	38.99	2	3
2. EBR	* 100	64	2.0	1385	1375	38.99	2	3
3. WBT	* 100	77	2.0	97	1375	38.99	2	3
4. NBL	* 100	64	2.0	581	1375	38.99	2	3
5. NBT	* 100	50	2.0	949	1375	38.99	2	3
6. SBL	* 100	84	2.0	8	1375	38.99	2	3
7. SBT	* 100	70	2.0	278	1375	38.99	2	3

RECEPTOR LOCATIONS

RECEPTOR	X	Y	Z
1. R1	46.0	34.0	5.9
2. R2	128.0	34.0	5.9
3. R3	210.0	34.0	5.9
4. R4	292.0	34.0	5.9
5. R5	46.0	116.0	5.9
6. R6	46.0	198.0	5.9
7. R7	46.0	280.0	5.9
8. R8	-46.0	34.0	5.9
9. R9	-128.0	34.0	5.9
10. R10	-210.0	34.0	5.9
11. R11	-292.0	34.0	5.9
12. R12	-46.0	116.0	5.9
13. R13	-46.0	198.0	5.9
14. R14	-46.0	280.0	5.9
15. R15	-46.0	-34.0	5.9
16. R16	-128.0	-34.0	5.9
17. R17	-210.0	-34.0	5.9
18. R18	-292.0	-34.0	5.9
19. R19	-46.0	-116.0	5.9
20. R20	-46.0	-198.0	5.9
21. R21	-46.0	-280.0	5.9
22. R22	40.0	-22.0	5.9
23. R23	122.0	-22.0	5.9
24. R24	204.0	-22.0	5.9
25. R25	286.0	-22.0	5.9
26. R26	40.0	-104.0	5.9
27. R27	40.0	-186.0	5.9
28. R28	40.0	-268.0	5.9

JOB: INT 32 PP2005PM

RUN: INT 32 PP2005PM

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.	0.6	0.0	0.0	0.0	0.6	0.6	0.5	0.2	0.0	0.0	0.0	0.2	0.2	0.2	1.5	0.6	0.6	0.6	1.2	1.0
10.	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.6	0.2	0.0	0.0	0.5	0.5	0.5	2.0	0.8	0.6	0.6	1.5	1.5
20.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.1	0.1	0.3	0.3	0.3	1.7	0.8	0.7	0.7	1.0	1.5

30.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.1	0.1	0.1	0.3	0.3	0.3	1.4	0.8	0.8	0.8	1.2	1.3
40.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.1	0.1	0.1	0.3	0.3	0.3	1.3	0.9	0.8	0.8	1.2	1.0
50.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.1	0.1	0.2	0.2	0.2	1.2	1.1	0.9	0.9	1.1	0.7
60.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.1	0.1	0.2	0.2	0.2	1.2	1.3	1.2	1.1	1.1	0.7
70.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.1	0.1	0.2	0.2	0.2	1.1	1.9	1.6	1.6	0.9	0.6
80.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.2	0.2	0.2	0.2	0.2	1.2	1.9	2.0	2.0	0.8	0.6
90.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.4	0.4	0.5	0.2	0.2	0.2	1.3	1.8	1.7	1.9	0.7	0.6
100.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.8	0.6	0.8	1.1	0.2	0.2	0.2	1.2	1.1	1.0	0.9	0.6	0.6
110.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	1.2	1.3	0.2	0.2	0.2	1.1	0.7	0.5	0.4	0.6	0.6
120.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.1	1.0	0.2	0.2	0.2	1.2	0.6	0.4	0.4	0.7	0.7
130.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.5	0.9	0.9	0.3	0.2	0.2	1.0	0.6	0.4	0.4	0.7	0.7
140.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.3	1.0	0.9	0.4	0.3	0.3	1.1	0.5	0.4	0.3	0.9	0.9
150.	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.0	1.0	0.8	0.7	0.4	0.3	1.1	0.5	0.5	0.3	1.0	1.0
160.	*	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.1	0.9	0.7	1.6	0.5	0.3	1.3	0.7	0.5	0.3	1.3	1.3
170.	*	0.5	0.0	0.0	0.0	0.2	0.1	0.1	2.3	1.1	0.7	0.5	2.0	1.5	1.1	1.8	0.7	0.3	0.1	1.8	1.8
180.	*	1.6	0.2	0.0	0.0	1.3	1.3	1.2	1.9	0.6	0.4	0.4	1.8	1.5	1.2	1.3	0.2	0.0	0.0	1.3	1.3
190.	*	2.5	0.7	0.3	0.1	1.9	1.6	1.5	0.9	0.4	0.4	0.4	0.6	0.5	0.2	0.1	0.0	0.0	0.0	0.1	0.1
200.	*	1.9	0.6	0.5	0.3	1.2	1.0	0.8	0.8	0.4	0.4	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
210.	*	1.5	0.6	0.5	0.3	0.8	0.9	0.5	0.8	0.5	0.5	0.5	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
220.	*	1.0	0.7	0.3	0.3	1.0	0.6	0.6	0.7	0.6	0.6	0.6	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0
230.	*	0.8	0.8	0.4	0.3	0.9	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.0	0.0
240.	*	1.0	0.5	0.5	0.4	0.8	0.6	0.5	0.7	0.7	0.7	0.7	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.0	0.0
250.	*	1.2	0.8	0.4	0.4	0.6	0.6	0.5	0.9	0.9	0.9	0.9	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.0	0.0
260.	*	1.6	1.3	1.2	1.0	0.7	0.6	0.3	1.2	1.2	1.2	1.2	0.5	0.3	0.1	0.6	0.6	0.6	0.6	0.0	0.0
270.	*	1.3	1.0	1.0	1.0	0.4	0.3	0.3	1.0	1.0	0.8	0.8	0.2	0.1	0.1	2.4	2.4	2.4	2.3	0.4	0.2
280.	*	0.5	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	2.1	2.1	2.1	2.1	0.7	0.3
290.	*	0.5	0.2	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.4	1.4	1.4	0.6	0.4
300.	*	0.4	0.1	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.0	1.0	1.0	0.4	0.4
310.	*	0.3	0.1	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.8	0.8	0.8	0.4	0.3
320.	*	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.7	0.7	0.7	0.4	0.3
330.	*	0.3	0.2	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.7	0.7	0.7	0.4	0.3
340.	*	0.5	0.2	0.1	0.1	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.6	0.6	0.6	0.5	0.2
350.	*	0.8	0.2	0.1	0.0	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.6	0.6	0.6	0.7	0.4
360.	*	0.6	0.0	0.0	0.0	0.6	0.6	0.5	0.2	0.0	0.0	0.0	0.2	0.2	0.2	1.5	0.6	0.6	0.6	1.2	1.0

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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)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28

0.	*	1.0	1.1	0.1	0.0	0.0	1.0	1.0	0.9
10.	*	1.5	0.6	0.0	0.0	0.0	0.3	0.1	0.1
20.	*	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0

30.	*	1.1	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	0.0	0.0	0.0	0.0	0.0
40.	*	0.9	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	0.0	0.0	0.0	0.0	0.0
50.	*	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.	*	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.	*	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.	*	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.	*	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.	*	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.	*	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.	*	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.	*	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.	*	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
160.	*	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.	*	1.7	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
180.	*	1.2	1.3	0.2	0.0	0.0	0.0	1.1	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
190.	*	0.1	2.1	0.7	0.3	0.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
200.	*	0.0	1.9	0.7	0.5	0.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
210.	*	0.0	1.6	0.5	0.5	0.3	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
220.	*	0.0	1.4	0.5	0.3	0.3	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
230.	*	0.0	1.2	0.7	0.3	0.3	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
240.	*	0.0	1.1	0.7	0.4	0.3	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
250.	*	0.0	1.0	0.7	0.5	0.4	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
260.	*	0.0	1.5	0.9	0.7	0.6	1.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
270.	*	0.1	2.7	1.8	1.6	1.3	1.5	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
280.	*	0.2	1.8	1.0	0.7	0.4	1.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
290.	*	0.3	1.0	0.5	0.2	0.1	1.7	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
300.	*	0.3	0.5	0.4	0.1	0.1	1.6	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
310.	*	0.3	0.6	0.1	0.1	0.1	1.8	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
320.	*	0.3	0.5	0.1	0.1	0.1	1.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
330.	*	0.2	0.6	0.2	0.1	0.1	1.7	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
340.	*	0.2	0.5	0.2	0.1	0.1	1.7	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
350.	*	0.3	0.9	0.2	0.1	0.0	1.3	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
360.	*	1.0	1.1	0.1	0.0	0.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

THE HIGHEST CONCENTRATION OF 2.70 PPM OCCURRED AT RECEPTOR REC22.

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JOB: INT 32 PP2005PM

RUN: INT 32 PP2005PM

DATE : 11/12/ 7

TIME : 15:36:23

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

		CO/LINK (PPM)																				
		ANGLE (DEGREES)																				
	*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
LINK #	*	190	260	260	260	190	190	190	170	130	110	110	170	170	180	270	270	270	270	170	170	
1	*	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	*	0.0	0.3	0.3	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.0	0.0	0.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0
3	*	0.5	0.1	0.1	0.0	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	0.0	0.0	0.0	0.0
4	*	0.3	0.0	0.0	0.0	0.3	0.2	0.2	0.4	0.1	0.0	0.1	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.4
5	*	0.5	0.0	0.0	0.1	0.3	0.2	0.1	0.0	0.2	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
8	*	0.0	0.5	0.4	0.3	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.1	0.1	0.1	0.8	0.8	0.8	0.7	0.0	0.0
9	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	*	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
12	*	0.7	0.0	0.1	0.1	0.5	0.3	0.2	0.5	0.2	0.1	0.1	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.5	0.5
13	*	0.1	0.1	0.0	0.0	0.3	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
15	*	0.4	0.0	0.1	0.1	0.4	0.4	0.3	0.8	0.2	0.1	0.1	0.4	0.3	0.4	0.0	0.0	0.0	0.0	0.9	0.9

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JOB: INT 32 PP2005PM

RUN: INT 32 PP2005PM

DATE : 11/12/ 7

TIME : 15:36:23

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

		CO/LINK (PPM)								
		ANGLE (DEGREES)								
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	
LINK #	*	170	270	270	270	270	320	340	190	
1	*	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.0	
2	*	0.0	0.8	0.6	0.5	0.4	0.0	0.0	0.0	
3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	*	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.3	
5	*	0.0	0.1	0.1	0.1	0.1	0.7	0.3	0.0	
6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
8	*	0.0	0.9	0.6	0.5	0.4	0.2	0.1	0.0	
9	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	*	0.0	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
12	*	0.4	0.3	0.1	0.1	0.1	0.1	0.4	0.5	0.8
13	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	*	0.9	0.2	0.1	0.1	0.1	0.2	0.2	0.4	

CAL3QHC Model Output

**Harbor / SR-47 EB Offramp / Swinford
p.m. Peak Hour**

No Project - 2005

JOB: INT 32 NP2005PM

RUN: INT 32 NP2005PM

DATE : 11/12/ 7

TIME : 15:36:24

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 BRG = 0. DEGREES

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EBL	* -36.0	-12.0	-67.6	-12.0	* 32.	270.	AG	161.	100.0	0.0	24.0	0.29	1.6
2. EBR	* -36.0	-30.0	-10059.1	-32.4	* *****	270.	AG	67.	100.0	0.0	12.0	3.15	509.2
3. WBT	* 36.0	12.0	56.2	12.0	* 20.	90.	AG	161.	100.0	0.0	24.0	0.18	1.0
4. NBL	* -6.0	-24.0	-6.0	-1714.6	* 1691.	180.	AG	67.	100.0	0.0	12.0	1.32	85.9
5. NBT	* 18.0	-24.0	18.0	-110.1	* 86.	180.	AG	157.	100.0	0.0	36.0	0.50	4.4
6. SBL	* -6.0	24.0	-6.0	27.7	* 4.	360.	AG	88.	100.0	0.0	12.0	0.05	0.2
7. SBT	* -24.0	24.0	-24.0	72.6	* 49.	360.	AG	146.	100.0	0.0	24.0	0.36	2.5
8. EBA	* -1000.0	-12.0	0.0	-12.0	* 1000.	90.	AG	1536.	5.5	0.0	44.0		
9. EBD	* 0.0	-6.0	1000.0	-6.0	* 1000.	90.	AG	65.	5.5	0.0	32.0		
10. WBA	* 1000.0	12.0	0.0	12.0	* 1000.	270.	AG	97.	5.5	0.0	44.0		
11. WBD	* 0.0	12.0	-1000.0	12.0	* 1000.	270.	AG	676.	5.5	0.0	44.0		
12. NBA	* 12.0	-1000.0	12.0	0.0	* 1000.	360.	AG	1528.	5.5	0.0	56.0		
13. NBD	* 24.0	0.0	24.0	1000.0	* 1000.	360.	AG	1080.	5.5	0.0	44.0		
14. SBA	* -24.0	1000.0	-24.0	0.0	* 1000.	180.	AG	262.	5.5	0.0	44.0		
15. SBD	* -24.0	0.0	-24.0	-1000.0	* 1000.	180.	AG	1602.	5.5	0.0	44.0		

JOB: INT 32 NP2005PM

RUN: INT 32 NP2005PM

DATE : 11/12/ 7

TIME : 15:36:24

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. EBL	* 100	77	2.0	151	1375	38.99	2	3
2. EBR	* 100	64	2.0	1385	1375	38.99	2	3
3. WBT	* 100	77	2.0	97	1375	38.99	2	3
4. NBL	* 100	64	2.0	581	1375	38.99	2	3
5. NBT	* 100	50	2.0	947	1375	38.99	2	3
6. SBL	* 100	84	2.0	8	1375	38.99	2	3
7. SBT	* 100	70	2.0	254	1375	38.99	2	3

RECEPTOR LOCATIONS

RECEPTOR	X	Y	Z
1. R1	46.0	34.0	5.9
2. R2	128.0	34.0	5.9
3. R3	210.0	34.0	5.9
4. R4	292.0	34.0	5.9
5. R5	46.0	116.0	5.9
6. R6	46.0	198.0	5.9
7. R7	46.0	280.0	5.9
8. R8	-46.0	34.0	5.9
9. R9	-128.0	34.0	5.9
10. R10	-210.0	34.0	5.9
11. R11	-292.0	34.0	5.9
12. R12	-46.0	116.0	5.9
13. R13	-46.0	198.0	5.9
14. R14	-46.0	280.0	5.9
15. R15	-46.0	-34.0	5.9
16. R16	-128.0	-34.0	5.9
17. R17	-210.0	-34.0	5.9
18. R18	-292.0	-34.0	5.9
19. R19	-46.0	-116.0	5.9
20. R20	-46.0	-198.0	5.9
21. R21	-46.0	-280.0	5.9
22. R22	40.0	-22.0	5.9
23. R23	122.0	-22.0	5.9
24. R24	204.0	-22.0	5.9
25. R25	286.0	-22.0	5.9
26. R26	40.0	-104.0	5.9
27. R27	40.0	-186.0	5.9
28. R28	40.0	-268.0	5.9

JOB: INT 32 NP2005PM

RUN: INT 32 NP2005PM

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.	0.6	0.0	0.0	0.0	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.2	0.2	0.2	1.5	0.6	0.6	0.6	1.2	1.0
10.	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.5	0.1	0.0	0.0	0.5	0.5	0.3	2.0	0.7	0.6	0.6	1.4	1.5
20.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.1	0.1	0.3	0.3	0.3	1.7	0.8	0.7	0.7	1.0	1.5
30.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.1	0.1	0.3	0.3	0.3	1.4	0.8	0.8	0.8	1.2	1.3

40.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.1	0.1	0.1	0.3	0.3	0.3	1.3	0.9	0.8	0.8	1.2	1.0
50.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.1	0.1	0.2	0.2	0.2	1.2	1.1	0.9	0.9	1.1	0.7
60.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.1	0.1	0.2	0.2	0.2	1.2	1.2	1.1	1.0	1.1	0.7
70.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.2	0.1	0.1	0.1	0.1	0.1	1.1	1.8	1.5	1.6	0.9	0.6
80.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.2	0.2	0.1	0.1	0.1	1.2	1.8	1.9	2.0	0.8	0.6
90.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.4	0.5	0.1	0.1	0.1	1.3	1.8	1.7	1.9	0.7	0.6
100.	*	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.7	0.6	0.8	1.1	0.1	0.1	0.1	1.2	1.1	1.0	0.9	0.6	0.6
110.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.8	1.2	1.3	0.1	0.1	0.1	1.1	0.7	0.5	0.4	0.6	0.6
120.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.1	1.0	0.2	0.2	0.2	1.2	0.6	0.4	0.4	0.7	0.7
130.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	0.9	0.9	0.3	0.2	0.2	1.0	0.6	0.4	0.4	0.7	0.7
140.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.1	0.8	0.8	0.4	0.3	0.3	1.1	0.5	0.3	0.3	0.9	0.9
150.	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.9	0.9	0.7	0.7	0.4	0.3	1.1	0.5	0.5	0.3	1.0	1.0
160.	*	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.1	0.9	0.7	1.5	0.5	0.3	1.3	0.7	0.5	0.3	1.3	1.3
170.	*	0.5	0.0	0.0	0.0	0.2	0.1	0.1	2.3	1.1	0.7	0.5	1.9	1.5	1.1	1.8	0.7	0.3	0.1	1.8	1.7
180.	*	1.6	0.2	0.0	0.0	1.3	1.3	1.1	1.9	0.6	0.4	0.4	1.7	1.5	1.2	1.3	0.2	0.0	0.0	1.3	1.3
190.	*	2.5	0.7	0.3	0.1	1.9	1.6	1.5	0.9	0.4	0.4	0.4	0.5	0.4	0.2	0.1	0.0	0.0	0.0	0.1	0.1
200.	*	1.8	0.6	0.5	0.3	1.2	1.0	0.8	0.7	0.4	0.4	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
210.	*	1.5	0.6	0.5	0.3	0.8	0.8	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
220.	*	1.0	0.7	0.3	0.3	1.0	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0
230.	*	0.8	0.8	0.4	0.3	0.9	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.3	0.3	0.1	0.1	0.1	0.1	0.0	0.0
240.	*	1.0	0.5	0.5	0.4	0.7	0.6	0.5	0.7	0.7	0.7	0.7	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.0	0.0
250.	*	1.2	0.8	0.4	0.4	0.6	0.6	0.5	0.9	0.9	0.9	0.9	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.0	0.0
260.	*	1.4	1.3	1.1	0.8	0.7	0.6	0.3	1.2	1.2	1.2	1.2	0.5	0.3	0.1	0.6	0.6	0.6	0.6	0.0	0.0
270.	*	1.3	1.0	1.0	1.0	0.4	0.3	0.3	0.9	0.9	0.8	0.8	0.2	0.1	0.1	2.4	2.4	2.4	2.3	0.4	0.2
280.	*	0.5	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	2.1	2.1	2.1	2.1	0.7	0.3
290.	*	0.5	0.1	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	0.6	0.4
300.	*	0.3	0.1	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.9	0.9	0.9	0.4	0.4
310.	*	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.8	0.8	0.8	0.4	0.3
320.	*	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.7	0.7	0.7	0.4	0.3
330.	*	0.3	0.2	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.7	0.7	0.7	0.4	0.3
340.	*	0.5	0.2	0.1	0.1	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.6	0.6	0.6	0.4	0.2
350.	*	0.7	0.2	0.1	0.0	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.6	0.6	0.6	0.7	0.4
360.	*	0.6	0.0	0.0	0.0	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.2	0.2	0.2	1.5	0.6	0.6	0.6	1.2	1.0

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JOB: INT 32 NP2005PM

RUN: INT 32 NP2005PM

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)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	1.0	1.0	0.1	0.0	0.0	0.9	0.9	0.9
10.	*	1.5	0.6	0.0	0.0	0.0	0.3	0.1	0.1
20.	*	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
30.	*	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0

40.	*	0.9	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	0.0	0.0	0.0	0.0	0.0	0.0
50.	*	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.	*	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.	*	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.	*	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.	*	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.	*	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.	*	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.	*	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.	*	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.	*	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.	*	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.	*	1.7	0.1	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	0.1	0.1	0.1
180.	*	1.2	1.3	0.2	0.0	0.0	0.0	1.1	1.0	0.9											
190.	*	0.1	2.1	0.7	0.3	0.1	1.5	1.5	1.5												
200.	*	0.0	1.9	0.7	0.5	0.3	1.1	1.1	1.1												
210.	*	0.0	1.6	0.5	0.5	0.3	0.9	0.9	0.9												
220.	*	0.0	1.4	0.5	0.3	0.3	1.0	0.9	0.9												
230.	*	0.0	1.2	0.7	0.3	0.3	0.7	0.6	0.6												
240.	*	0.0	1.1	0.7	0.4	0.3	0.7	0.6	0.6												
250.	*	0.0	1.0	0.7	0.5	0.4	0.8	0.6	0.6												
260.	*	0.0	1.5	0.9	0.7	0.6	1.0	0.6	0.6												
270.	*	0.1	2.7	1.8	1.6	1.3	1.5	0.8	0.7												
280.	*	0.2	1.7	1.0	0.7	0.4	1.8	0.9	0.8												
290.	*	0.2	0.9	0.5	0.2	0.1	1.7	1.0	0.9												
300.	*	0.3	0.5	0.3	0.1	0.1	1.6	1.0	0.9												
310.	*	0.3	0.6	0.1	0.1	0.1	1.7	1.0	0.9												
320.	*	0.2	0.5	0.1	0.1	0.1	1.9	1.2	1.2												
330.	*	0.2	0.4	0.2	0.1	0.1	1.7	1.4	1.1												
340.	*	0.2	0.5	0.2	0.1	0.1	1.7	1.5	1.2												
350.	*	0.3	0.8	0.2	0.1	0.0	1.3	1.5	1.4												
360.	*	1.0	1.0	0.1	0.0	0.0	0.9	0.9	0.9												

THE HIGHEST CONCENTRATION OF 2.70 PPM OCCURRED AT RECEPTOR REC22.

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JOB: INT 32 NP2005PM

RUN: INT 32 NP2005PM

DATE : 11/12/ 7

TIME : 15:36:24

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

LINK #	CO/LINK (PPM)																			
	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.0	0.0	0.0	1.5	1.5	1.5	1.5	0.0	0.0
3	0.5	0.1	0.1	0.0	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	0.0	0.0	0.0
4	0.3	0.0	0.0	0.0	0.3	0.2	0.2	0.4	0.1	0.0	0.1	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.4
5	0.5	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.2	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

7	*	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
8	*	0.0	0.5	0.3	0.3	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.1	0.1	0.1	0.8	0.8	0.8	0.7	0.0	0.0
9	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	*	0.0	0.2	0.1	0.2	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
12	*	0.7	0.0	0.1	0.0	0.5	0.3	0.2	0.5	0.2	0.1	0.1	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.5	0.4
13	*	0.1	0.1	0.0	0.1	0.3	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	*	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0
15	*	0.4	0.0	0.1	0.0	0.4	0.4	0.3	0.8	0.2	0.1	0.1	0.4	0.3	0.4	0.0	0.0	0.0	0.0	0.9	0.9

JOB: INT 32 NP2005PM

RUN: INT 32 NP2005PM

DATE : 11/12/ 7

TIME : 15:36:24

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

		* CO/LINK (PPM)							
		* ANGLE (DEGREES)							
		* REC21	* REC22	* REC23	* REC24	* REC25	* REC26	* REC27	* REC28
LINK #	*	170	270	270	270	270	320	340	190
1	*	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.0
2	*	0.0	0.8	0.6	0.5	0.4	0.0	0.0	0.0
3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	*	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.3
5	*	0.0	0.1	0.1	0.1	0.1	0.7	0.3	0.0
6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8	*	0.0	0.9	0.6	0.5	0.4	0.2	0.1	0.0
9	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	*	0.0	0.2	0.2	0.2	0.1	0.1	0.0	0.0
12	*	0.4	0.3	0.1	0.1	0.1	0.4	0.5	0.8
13	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	*	0.9	0.2	0.1	0.1	0.1	0.2	0.2	0.4

CAL3QHC Model Output

**Harbor / SR-47 EB Offramp / Swinford
p.m. Peak Hour**

Proposed Project - 2015

JOB: INT 32 PP2015PM

RUN: INT 32 PP2015PM

DATE : 11/12/ 7

TIME : 15:36:23

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 BRG = 0. DEGREES

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EBT	* -36.0	-6.0	-92.4	-6.0	* 56.	270.	AG	28.	100.0	0.0	12.0	0.51	2.9
2. EBR	* -36.0	-24.0	-4690.7	-25.1	* 4655.	270.	AG	47.	100.0	0.0	24.0	1.97	236.5
3. WBT	* 36.0	12.0	62.1	12.0	* 26.	90.	AG	57.	100.0	0.0	24.0	0.24	1.3
4. NBL	* 0.0	-24.0	0.0	-148.9	* 125.	180.	AG	47.	100.0	0.0	24.0	0.81	6.3
5. NBT	* 24.0	-24.0	24.0	-251.0	* 227.	180.	AG	37.	100.0	0.0	24.0	0.97	11.5
6. SBL	* -6.0	24.0	-6.0	29.1	* 5.	360.	AG	31.	100.0	0.0	12.0	0.07	0.3
7. SBT	* -24.0	24.0	-24.0	99.8	* 76.	360.	AG	52.	100.0	0.0	24.0	0.55	3.8
8. EBA	* -1000.0	-12.0	0.0	-12.0	* 1000.	90.	AG	1869.	2.2	0.0	44.0		
9. EBD	* 0.0	-6.0	1000.0	-6.0	* 1000.	90.	AG	84.	2.2	0.0	32.0		
10. WBA	* 1000.0	12.0	0.0	12.0	* 1000.	270.	AG	125.	2.2	0.0	44.0		
11. WBD	* 0.0	12.0	-1000.0	12.0	* 1000.	270.	AG	891.	2.2	0.0	44.0		
12. NBA	* 12.0	-1000.0	12.0	0.0	* 1000.	360.	AG	1933.	2.2	0.0	56.0		
13. NBD	* 24.0	0.0	24.0	1000.0	* 1000.	360.	AG	1334.	2.2	0.0	44.0		
14. SBA	* -24.0	1000.0	-24.0	0.0	* 1000.	180.	AG	407.	2.2	0.0	44.0		
15. SBD	* -24.0	0.0	-24.0	-1000.0	* 1000.	180.	AG	2025.	2.2	0.0	44.0		

JOB: INT 32 PP2015PM

RUN: INT 32 PP2015PM

DATE : 11/12/ 7

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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. EBT	* 100	77	2.0	134	1375	13.79	2	3
2. EBR	* 100	64	2.0	1735	1375	13.79	2	3
3. WBT	* 100	77	2.0	125	1375	13.79	2	3
4. NBL	* 100	64	2.0	710	1375	13.79	2	3
5. NBT	* 100	50	2.0	1223	1375	13.79	2	3
6. SBL	* 100	84	2.0	11	1375	13.79	2	3
7. SBT	* 100	70	2.0	396	1375	13.79	2	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT)		
	X	Y	Z
1. R1	46.0	34.0	5.9
2. R2	128.0	34.0	5.9
3. R3	210.0	34.0	5.9
4. R4	292.0	34.0	5.9
5. R5	46.0	116.0	5.9
6. R6	46.0	198.0	5.9
7. R7	46.0	280.0	5.9
8. R8	-46.0	34.0	5.9
9. R9	-128.0	34.0	5.9
10. R10	-210.0	34.0	5.9
11. R11	-292.0	34.0	5.9
12. R12	-46.0	116.0	5.9
13. R13	-46.0	198.0	5.9
14. R14	-46.0	280.0	5.9
15. R15	-46.0	-34.0	5.9
16. R16	-128.0	-34.0	5.9
17. R17	-210.0	-34.0	5.9
18. R18	-292.0	-34.0	5.9
19. R19	-46.0	-116.0	5.9
20. R20	-46.0	-198.0	5.9
21. R21	-46.0	-280.0	5.9
22. R22	40.0	-22.0	5.9
23. R23	122.0	-22.0	5.9
24. R24	204.0	-22.0	5.9
25. R25	286.0	-22.0	5.9
26. R26	40.0	-104.0	5.9
27. R27	40.0	-186.0	5.9
28. R28	40.0	-268.0	5.9

JOB: INT 32 PP2015PM

RUN: INT 32 PP2015PM

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.	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.9	0.4	0.4	0.4	0.7	0.4
10.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.2	0.2	0.2	0.9	0.4	0.3	0.3	0.6	0.6
20.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.1	0.0	0.2	0.2	0.2	0.7	0.5	0.5	0.4	0.6	0.7
30.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.1	0.1	0.1	0.6	0.5	0.5	0.4	0.4	0.5

40.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.5	0.7	0.5	0.5	0.5	0.5
50.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.6	0.7	0.5	0.5	0.5	0.4
60.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.6	0.7	0.7	0.6	0.5	0.4
70.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.4	0.9	0.8	0.8	0.4	0.3
80.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.1	0.1	0.1	0.5	0.7	0.8	1.0	0.4	0.3
90.	*	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	0.7	0.8	0.8	0.7	0.5	0.4
100.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.3	0.4	0.1	0.1	0.1	0.5	0.4	0.5	0.4	0.4	0.3
110.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6	0.6	0.1	0.1	0.1	0.4	0.4	0.4	0.2	0.4	0.3
120.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7	0.5	0.2	0.1	0.1	0.5	0.4	0.2	0.1	0.5	0.4
130.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.5	0.5	0.2	0.1	0.1	0.5	0.3	0.2	0.2	0.4	0.3
140.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.5	0.5	0.3	0.1	0.1	0.5	0.3	0.2	0.2	0.4	0.3
150.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.3	0.1	0.1	0.6	0.2	0.2	0.2	0.5	0.4
160.	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	0.5	0.5	0.6	0.4	0.2	0.7	0.2	0.2	0.2	0.5	0.5
170.	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.6	0.4	0.3	0.9	0.7	0.6	0.7	0.2	0.1	0.0	0.7	0.7
180.	*	0.6	0.0	0.0	0.0	0.6	0.5	0.6	0.9	0.3	0.3	0.3	0.5	0.5	0.4	0.5	0.0	0.0	0.0	0.5	0.5
190.	*	1.1	0.2	0.1	0.0	0.8	0.8	0.6	0.5	0.3	0.3	0.3	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.1
200.	*	0.9	0.3	0.2	0.2	0.6	0.4	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.	*	0.5	0.3	0.2	0.2	0.4	0.5	0.2	0.4	0.3	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.	*	0.4	0.4	0.2	0.2	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
230.	*	0.4	0.4	0.3	0.2	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
240.	*	0.4	0.3	0.3	0.1	0.5	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
250.	*	0.7	0.5	0.2	0.0	0.5	0.3	0.3	0.5	0.5	0.5	0.5	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
260.	*	0.9	0.6	0.5	0.2	0.5	0.2	0.2	0.8	0.8	0.8	0.7	0.4	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0
270.	*	0.7	0.5	0.4	0.4	0.2	0.2	0.1	0.5	0.5	0.5	0.5	0.1	0.1	0.0	1.3	1.3	1.3	1.3	0.2	0.1
280.	*	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	0.3	0.2
290.	*	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.3	0.2
300.	*	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.2	0.2
310.	*	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.2	0.2
320.	*	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.2	0.2
330.	*	0.2	0.1	0.1	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.2	0.2
340.	*	0.2	0.1	0.1	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.2	0.2
350.	*	0.3	0.1	0.0	0.0	0.3	0.3	0.3	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
360.	*	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.9	0.4	0.4	0.4	0.7	0.4

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JOB: INT 32 PP2015PM

RUN: INT 32 PP2015PM

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	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.4	0.4	0.0	0.0	0.0	0.4	0.5	0.5
10.	*	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
20.	*	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0
30.	*	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0

40.	*	0.4	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	0.0	0.0	0.0	0.0	0.0	0.0
50.	*	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.	*	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.	*	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.	*	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.	*	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.	*	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.	*	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.	*	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.	*	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.	*	0.7	0.1	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	0.1	0.1	0.1
180.	*	0.5	0.7	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
190.	*	0.1	0.9	0.2	0.1	0.0	0.9	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
200.	*	0.0	0.9	0.2	0.2	0.2	0.8	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
210.	*	0.0	0.7	0.3	0.2	0.2	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
220.	*	0.0	0.6	0.3	0.2	0.2	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
230.	*	0.0	0.5	0.4	0.3	0.2	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
240.	*	0.0	0.4	0.4	0.2	0.1	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
250.	*	0.0	0.4	0.4	0.3	0.0	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
260.	*	0.0	0.7	0.6	0.4	0.0	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
270.	*	0.0	1.3	1.0	0.8	0.6	0.6	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
280.	*	0.1	0.9	0.4	0.3	0.1	0.9	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
290.	*	0.2	0.3	0.1	0.0	0.0	0.8	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
300.	*	0.2	0.3	0.3	0.0	0.0	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
310.	*	0.2	0.2	0.1	0.0	0.0	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
320.	*	0.2	0.3	0.1	0.1	0.0	0.7	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
330.	*	0.1	0.3	0.1	0.1	0.0	0.7	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
340.	*	0.1	0.2	0.1	0.1	0.1	0.5	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
350.	*	0.1	0.5	0.1	0.0	0.0	0.5	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
360.	*	0.4	0.4	0.0	0.0	0.0	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

THE HIGHEST CONCENTRATION OF 1.30 PPM OCCURRED AT RECEPTOR REC15.

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JOB: INT 32 PP2015PM

RUN: INT 32 PP2015PM

DATE : 11/12/ 7
 TIME : 15:36:23

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
 THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

LINK #	CO/LINK (PPM)																			
	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.1	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0
4	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
5	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	
8	*	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.3	0.2	0.1	0.0	0.0	0.4	0.4	0.4	0.4	0.1	0.0
9	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	*	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
12	*	0.3	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.1
13	*	0.1	0.0	0.0	0.0	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	0.1
14	*	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	0.1	0.0	0.0	0.0	0.0	0.1	0.0
15	*	0.2	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.3

JOB: INT 32 PP2015PM

RUN: INT 32 PP2015PM

DATE : 11/12/ 7
 TIME : 15:36:23

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
 THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

* CO/LINK (PPM)										
* ANGLE (DEGREES)										
* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28										
LINK #	*	10	270	270	270	270	280	340	350	
1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	*	0.0	0.6	0.4	0.4	0.3	0.2	0.0	0.0	
3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	*	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1	
5	*	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	
6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	*	0.0	0.4	0.3	0.2	0.2	0.2	0.0	0.0	
9	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	*	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	
12	*	0.1	0.1	0.1	0.1	0.0	0.1	0.3	0.3	
13	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
14	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	*	0.4	0.1	0.1	0.0	0.0	0.1	0.1	0.1	

CAL3QHC Model Output

**Harbor / SR-47 EB Offramp / Swinford
p.m. Peak Hour**

No Project - 2015

JOB: INT 32 NP2015PM

RUN: INT 32 NP2015PM

DATE : 11/12/ 7
 TIME : 15:36:24

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 ZO = 100. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM BRG = 0. DEGREES

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EBT	* -36.0	-6.0	-92.4	-6.0	* 56.	270.	AG	28.	100.0	0.0	12.0	0.51	2.9
2. EBR	* -36.0	-24.0	-4690.7	-25.1	* 4655.	270.	AG	47.	100.0	0.0	24.0	1.97	236.5
3. WBT	* 36.0	12.0	62.1	12.0	* 26.	90.	AG	57.	100.0	0.0	24.0	0.24	1.3
4. NBL	* 0.0	-24.0	0.0	-148.9	* 125.	180.	AG	47.	100.0	0.0	24.0	0.81	6.3
5. NBT	* 24.0	-24.0	24.0	-246.5	* 222.	180.	AG	37.	100.0	0.0	24.0	0.96	11.3
6. SBL	* -6.0	24.0	-6.0	29.1	* 5.	360.	AG	31.	100.0	0.0	12.0	0.07	0.3
7. SBT	* -24.0	24.0	-24.0	85.2	* 61.	360.	AG	52.	100.0	0.0	24.0	0.45	3.1
8. EBA	* -1000.0	-12.0	0.0	-12.0	* 1000.	90.	AG	1869.	2.2	0.0	44.0		
9. EBD	* 0.0	-6.0	1000.0	-6.0	* 1000.	90.	AG	84.	2.2	0.0	32.0		
10. WBA	* 1000.0	12.0	0.0	12.0	* 1000.	270.	AG	125.	2.2	0.0	44.0		
11. WBD	* 0.0	12.0	-1000.0	12.0	* 1000.	270.	AG	828.	2.2	0.0	44.0		
12. NBA	* 12.0	-1000.0	12.0	0.0	* 1000.	360.	AG	1927.	2.2	0.0	56.0		
13. NBD	* 24.0	0.0	24.0	1000.0	* 1000.	360.	AG	1328.	2.2	0.0	44.0		
14. SBA	* -24.0	1000.0	-24.0	0.0	* 1000.	180.	AG	331.	2.2	0.0	44.0		
15. SBD	* -24.0	0.0	-24.0	-1000.0	* 1000.	180.	AG	2012.	2.2	0.0	44.0		

JOB: INT 32 NP2015PM

RUN: INT 32 NP2015PM

DATE : 11/12/ 7
 TIME : 15:36:24

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. EBT	* 100	77	2.0	134	1375	13.79	2	3
2. EBR	* 100	64	2.0	1735	1375	13.79	2	3
3. WBT	* 100	77	2.0	125	1375	13.79	2	3
4. NBL	* 100	64	2.0	710	1375	13.79	2	3
5. NBT	* 100	50	2.0	1217	1375	13.79	2	3
6. SBL	* 100	84	2.0	11	1375	13.79	2	3
7. SBT	* 100	70	2.0	320	1375	13.79	2	3

RECEPTOR LOCATIONS

RECEPTOR	X	Y	Z
1. R1	46.0	34.0	5.9
2. R2	128.0	34.0	5.9
3. R3	210.0	34.0	5.9
4. R4	292.0	34.0	5.9
5. R5	46.0	116.0	5.9
6. R6	46.0	198.0	5.9
7. R7	46.0	280.0	5.9
8. R8	-46.0	34.0	5.9
9. R9	-128.0	34.0	5.9
10. R10	-210.0	34.0	5.9
11. R11	-292.0	34.0	5.9
12. R12	-46.0	116.0	5.9
13. R13	-46.0	198.0	5.9
14. R14	-46.0	280.0	5.9
15. R15	-46.0	-34.0	5.9
16. R16	-128.0	-34.0	5.9
17. R17	-210.0	-34.0	5.9
18. R18	-292.0	-34.0	5.9
19. R19	-46.0	-116.0	5.9
20. R20	-46.0	-198.0	5.9
21. R21	-46.0	-280.0	5.9
22. R22	40.0	-22.0	5.9
23. R23	122.0	-22.0	5.9
24. R24	204.0	-22.0	5.9
25. R25	286.0	-22.0	5.9
26. R26	40.0	-104.0	5.9
27. R27	40.0	-186.0	5.9
28. R28	40.0	-268.0	5.9

JOB: INT 32 NP2015PM

RUN: INT 32 NP2015PM

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.	* 0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.7	0.3	0.3	0.3	0.5	0.4
10.	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.2	0.2	0.8	0.4	0.3	0.3	0.6	0.6
20.	* 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.2	0.2	0.2	0.6	0.4	0.4	0.3	0.6	0.7

30.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.1	0.1	0.1	0.5	0.5	0.5	0.4	0.4	0.5
40.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.5	0.6	0.5	0.5	0.5	0.5
50.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.6	0.7	0.5	0.5	0.5	0.4
60.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.1	0.1	0.6	0.7	0.6	0.6	0.5	0.4
70.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.4	0.8	0.8	0.8	0.4	0.3
80.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.5	0.7	0.8	1.0	0.4	0.3
90.	*	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	0.7	0.8	0.8	0.7	0.5	0.4
100.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.2	0.4	0.1	0.1	0.1	0.5	0.4	0.5	0.4	0.4	0.3
110.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6	0.6	0.1	0.1	0.1	0.4	0.4	0.4	0.2	0.4	0.3
120.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7	0.5	0.1	0.1	0.1	0.5	0.4	0.2	0.1	0.5	0.4
130.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.5	0.5	0.1	0.1	0.1	0.5	0.3	0.2	0.2	0.4	0.3
140.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.5	0.5	0.2	0.1	0.1	0.5	0.2	0.2	0.2	0.4	0.3
150.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.3	0.1	0.1	0.6	0.2	0.2	0.2	0.5	0.4
160.	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	0.5	0.5	0.5	0.2	0.2	0.7	0.2	0.2	0.2	0.5	0.5
170.	*	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.6	0.4	0.3	0.8	0.7	0.4	0.7	0.2	0.1	0.0	0.7	0.7
180.	*	0.6	0.0	0.0	0.0	0.6	0.5	0.6	0.9	0.3	0.3	0.3	0.5	0.4	0.3	0.5	0.0	0.0	0.0	0.5	0.5
190.	*	1.1	0.2	0.1	0.0	0.8	0.8	0.6	0.4	0.3	0.3	0.3	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.1
200.	*	0.9	0.2	0.2	0.2	0.6	0.4	0.2	0.4	0.3	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.	*	0.5	0.3	0.2	0.2	0.3	0.5	0.2	0.4	0.3	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.	*	0.4	0.4	0.2	0.2	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
230.	*	0.4	0.4	0.3	0.2	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
240.	*	0.4	0.3	0.3	0.1	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
250.	*	0.7	0.5	0.2	0.0	0.4	0.3	0.3	0.5	0.5	0.5	0.5	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
260.	*	0.8	0.6	0.5	0.2	0.5	0.2	0.2	0.8	0.8	0.8	0.7	0.4	0.1	0.1	0.3	0.3	0.3	0.3	0.0	0.0
270.	*	0.6	0.5	0.4	0.4	0.2	0.2	0.1	0.5	0.5	0.5	0.5	0.1	0.1	0.0	1.3	1.3	1.3	1.2	0.2	0.1
280.	*	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	0.3	0.2
290.	*	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.3	0.2
300.	*	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.2	0.2
310.	*	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.2	0.2
320.	*	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.5	0.5	0.5	0.2	0.2
330.	*	0.2	0.1	0.1	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.4	0.2	0.2
340.	*	0.2	0.1	0.1	0.0	0.2	0.2	0.2	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
350.	*	0.3	0.1	0.0	0.0	0.3	0.3	0.3	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
360.	*	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.7	0.3	0.3	0.3	0.5	0.4

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JOB: INT 32 NP2015PM

RUN: INT 32 NP2015PM

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)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	
0.	*	0.4	0.4	0.0	0.0	0.0	0.4	0.5	0.5
10.	*	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
20.	*	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0

30. * 0.5 0.1 0.0 0.0 0.0 0.0 0.0 0.0
 40. * 0.4 0.1 0.0 0.0 0.0 0.0 0.0 0.0
 50. * 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 60. * 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 70. * 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 80. * 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 90. * 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 100. * 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 110. * 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 120. * 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 130. * 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 140. * 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 150. * 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 160. * 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 170. * 0.7 0.1 0.0 0.0 0.0 0.1 0.1 0.1
 180. * 0.5 0.7 0.0 0.0 0.0 0.5 0.4 0.4
 190. * 0.1 0.9 0.2 0.1 0.0 0.9 0.7 0.6
 200. * 0.0 0.9 0.2 0.2 0.2 0.8 0.7 0.5
 210. * 0.0 0.7 0.3 0.2 0.2 0.5 0.5 0.3
 220. * 0.0 0.6 0.3 0.2 0.2 0.6 0.5 0.3
 230. * 0.0 0.5 0.4 0.3 0.2 0.5 0.4 0.3
 240. * 0.0 0.4 0.4 0.2 0.1 0.4 0.3 0.2
 250. * 0.0 0.4 0.4 0.3 0.0 0.4 0.3 0.2
 260. * 0.0 0.7 0.6 0.4 0.0 0.4 0.3 0.2
 270. * 0.0 1.3 1.0 0.8 0.6 0.6 0.4 0.2
 280. * 0.1 0.8 0.4 0.3 0.1 0.9 0.6 0.3
 290. * 0.2 0.3 0.1 0.0 0.0 0.8 0.5 0.4
 300. * 0.2 0.3 0.3 0.0 0.0 0.6 0.5 0.4
 310. * 0.2 0.2 0.1 0.0 0.0 0.7 0.7 0.5
 320. * 0.2 0.3 0.1 0.1 0.0 0.7 0.8 0.6
 330. * 0.1 0.3 0.1 0.1 0.0 0.7 0.8 0.5
 340. * 0.1 0.2 0.1 0.1 0.0 0.5 0.9 0.8
 350. * 0.1 0.5 0.1 0.0 0.0 0.5 0.8 0.9
 360. * 0.4 0.4 0.0 0.0 0.0 0.4 0.5 0.5

THE HIGHEST CONCENTRATION OF 1.30 PPM OCCURRED AT RECEPTOR REC15.

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JOB: INT 32 NP2015PM

RUN: INT 32 NP2015PM

DATE : 11/12/ 7

TIME : 15:36:24

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

* CO/LINK (PPM)		* ANGLE (DEGREES)																			
* LINK #	* RECI	* REC2	* REC3	* REC4	* REC5	* REC6	* REC7	* REC8	* REC9	* REC10	* REC11	* REC12	* REC13	* REC14	* REC15	* REC16	* REC17	* REC18	* REC19	* REC20	
	190	260	260	270	190	190	180	160	130	260	260	170	170	170	270	270	270	270	170	20	
1	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.1	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	
2	* 0.0	* 0.2	* 0.2	* 0.2	* 0.0	* 0.0	* 0.0	* 0.0	* 0.1	* 0.3	* 0.3	* 0.0	* 0.0	* 0.0	* 0.8	* 0.8	* 0.8	* 0.8	* 0.0	* 0.0	
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	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	
4	* 0.1	* 0.0	* 0.0	* 0.0	* 0.1	* 0.1	* 0.0	* 0.2	* 0.1	* 0.0	* 0.0	* 0.1	* 0.1	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.0	* 0.2	

5	*	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	*	0.0	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	0.0	0.0	0.0	0.0	0.0
8	*	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.3	0.2	0.1	0.0	0.0	0.4	0.4	0.4	0.4	0.0	0.0
9	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	*	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
12	*	0.3	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.1
13	*	0.1	0.0	0.0	0.0	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
14	*	0.0	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	0.0	0.0	0.0	0.0
15	*	0.2	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.1	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.5	0.3

JOB: INT 32 NP2015PM

RUN: INT 32 NP2015PM

DATE : 11/12/ 7

TIME : 15:36:24

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

* CO/LINK (PPM)		* ANGLE (DEGREES)								
* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28										
LINK #	*	10	270	270	270	270	280	340	350	
1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	*	0.0	0.6	0.4	0.4	0.3	0.2	0.0	0.0	0.0
3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	*	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0
5	*	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.0
6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	*	0.0	0.4	0.3	0.2	0.2	0.2	0.0	0.0	0.0
9	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	*	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
12	*	0.1	0.1	0.1	0.1	0.0	0.1	0.3	0.3	0.0
13	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
14	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	*	0.4	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0

CAL3QHC Model Output

**Harbor / SR-47 EB Offramp / Swinford
p.m. Peak Hour**

Proposed Project - 2030

JOB: INT 32 PP2030PM

RUN: INT 32 PP2030PM

DATE : 11/12/ 7
 TIME : 15:36:23

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 BRG = 0. DEGREES

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EBT	* -36.0	-6.0	-110.9	-6.0	* 75.	270.	AG	11.	100.0	0.0	12.0	0.68	3.8
2. EBR	* -36.0	-24.0	-6918.9	-25.6	* 6883.	270.	AG	19.	100.0	0.0	24.0	2.46	349.7
3. WBT	* 36.0	12.0	70.9	12.0	* 35.	90.	AG	23.	100.0	0.0	24.0	0.32	1.8
4. NBL	* 0.0	-24.0	0.0	-235.3	* 211.	180.	AG	19.	100.0	0.0	24.0	0.98	10.7
5. NBT	* 24.0	-24.0	24.0	-1857.9	* 1834.	180.	AG	15.	100.0	0.0	24.0	1.24	93.2
6. SBL	* -6.0	24.0	-6.0	30.4	* 6.	360.	AG	12.	100.0	0.0	12.0	0.08	0.3
7. SBT	* -24.0	24.0	-24.0	111.3	* 87.	360.	AG	21.	100.0	0.0	24.0	0.64	4.4
8. EBA	* -1000.0	-12.0	0.0	-12.0	* 1000.	90.	AG	2342.	1.0	0.0	44.0		
9. EBD	* 0.0	-6.0	1000.0	-6.0	* 1000.	90.	AG	110.	1.0	0.0	32.0		
10. WBA	* 1000.0	12.0	0.0	12.0	* 1000.	270.	AG	166.	1.0	0.0	44.0		
11. WBD	* 0.0	12.0	-1000.0	12.0	* 1000.	270.	AG	1048.	1.0	0.0	44.0		
12. NBA	* 12.0	-1000.0	12.0	0.0	* 1000.	360.	AG	2434.	1.0	0.0	56.0		
13. NBD	* 24.0	0.0	24.0	1000.0	* 1000.	360.	AG	1719.	1.0	0.0	44.0		
14. SBA	* -24.0	1000.0	-24.0	0.0	* 1000.	180.	AG	470.	1.0	0.0	44.0		
15. SBD	* -24.0	0.0	-24.0	-1000.0	* 1000.	180.	AG	2535.	1.0	0.0	44.0		

JOB: INT 32 PP2030PM

RUN: INT 32 PP2030PM

DATE : 11/12/ 7
 TIME : 15:36:23

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. EBT	* 100	77	2.0	178	1375	5.52	2	3
2. EBR	* 100	64	2.0	2164	1375	5.52	2	3
3. WBT	* 100	77	2.0	166	1375	5.52	2	3
4. NBL	* 100	64	2.0	863	1375	5.52	2	3
5. NBT	* 100	50	2.0	1571	1375	5.52	2	3
6. SBL	* 100	84	2.0	14	1375	5.52	2	3
7. SBT	* 100	70	2.0	456	1375	5.52	2	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT)		
	X	Y	Z
1. R1	46.0	34.0	5.9
2. R2	128.0	34.0	5.9
3. R3	210.0	34.0	5.9
4. R4	292.0	34.0	5.9
5. R5	46.0	116.0	5.9
6. R6	46.0	198.0	5.9
7. R7	46.0	280.0	5.9
8. R8	-46.0	34.0	5.9
9. R9	-128.0	34.0	5.9
10. R10	-210.0	34.0	5.9
11. R11	-292.0	34.0	5.9
12. R12	-46.0	116.0	5.9
13. R13	-46.0	198.0	5.9
14. R14	-46.0	280.0	5.9
15. R15	-46.0	-34.0	5.9
16. R16	-128.0	-34.0	5.9
17. R17	-210.0	-34.0	5.9
18. R18	-292.0	-34.0	5.9
19. R19	-46.0	-116.0	5.9
20. R20	-46.0	-198.0	5.9
21. R21	-46.0	-280.0	5.9
22. R22	40.0	-22.0	5.9
23. R23	122.0	-22.0	5.9
24. R24	204.0	-22.0	5.9
25. R25	286.0	-22.0	5.9
26. R26	40.0	-104.0	5.9
27. R27	40.0	-186.0	5.9
28. R28	40.0	-268.0	5.9

JOB: INT 32 PP2030PM

RUN: INT 32 PP2030PM

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.	*	0.2	0.0	0.0	0.0	0.2	0.2	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	
10.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.5	0.2	0.2	0.2	0.2	0.3
20.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.5	0.2	0.2	0.2	0.2	0.4

30.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.4	0.2	0.2	0.2	0.2	0.3
40.	*	0.0	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	0.3	0.2	0.2	0.2	0.3	0.3
50.	*	0.0	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	0.2	0.2	0.2	0.2	0.2	0.2
60.	*	0.0	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	0.2	0.2	0.2	0.2	0.2	0.2
70.	*	0.0	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	0.3	0.2	0.4	0.4	0.2	0.2
80.	*	0.0	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	0.3	0.3	0.4	0.4	0.2	0.2
90.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.3	0.3	0.2	0.2
100.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.2
110.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
120.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
130.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.2
140.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.3	0.2
150.	*	0.1	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	0.3	0.2	0.1	0.0	0.3	0.2
160.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.1	0.2	0.0	0.1	0.5	0.2	0.1	0.0	0.4	0.4
170.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.1	0.1	0.5	0.4	0.3	0.5	0.2	0.0	0.0	0.5	0.5
180.	*	0.3	0.0	0.0	0.0	0.3	0.4	0.4	0.4	0.1	0.1	0.1	0.3	0.2	0.2	0.3	0.0	0.0	0.0	0.3	0.3
190.	*	0.6	0.3	0.0	0.0	0.5	0.3	0.4	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
200.	*	0.3	0.2	0.1	0.0	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	0.0
210.	*	0.3	0.2	0.0	0.0	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
220.	*	0.3	0.1	0.0	0.0	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
230.	*	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.	*	0.2	0.0	0.0	0.0	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.	*	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.	*	0.4	0.2	0.2	0.2	0.3	0.2	0.1	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0
270.	*	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.5	0.5	0.5	0.5	0.1	0.0
280.	*	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.2	0.1
290.	*	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.2	0.1
300.	*	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.0
310.	*	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.0
320.	*	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0
330.	*	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0
340.	*	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0
350.	*	0.2	0.1	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0
360.	*	0.2	0.0	0.0	0.0	0.2	0.2	0.1	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

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JOB: INT 32 PP2030PM

RUN: INT 32 PP2030PM

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 *

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	
0.	*	0.1	0.2	0.0	0.0	0.0	0.2	0.3	0.3
10.	*	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
20.	*	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0

30.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
40.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
50.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
60.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
70.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
80.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
90.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
100.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
110.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
120.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
130.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
140.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
150.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
160.	*	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.	*	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.	*	0.2	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
190.	*	0.0	0.5	0.3	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
200.	*	0.0	0.5	0.2	0.1	0.0	0.0	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
210.	*	0.0	0.4	0.2	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
220.	*	0.0	0.4	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
230.	*	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
240.	*	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
250.	*	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
260.	*	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
270.	*	0.0	0.7	0.5	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
280.	*	0.0	0.6	0.2	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
290.	*	0.0	0.3	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
300.	*	0.0	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
310.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
320.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
330.	*	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
340.	*	0.0	0.1	0.1	0.0	0.0	0.0	0.2	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
350.	*	0.0	0.2	0.1	0.0	0.0	0.0	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
360.	*	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

THE HIGHEST CONCENTRATION OF 0.70 PPM OCCURRED AT RECEPTOR REC22.

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JOB: INT 32 PP2030PM

RUN: INT 32 PP2030PM

DATE : 11/12/ 7

TIME : 15:36:23

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

* CO/LINK (PPM)		* ANGLE (DEGREES)																			
* LINK #	* RECI	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20	
	190	190	270	260	190	180	180	170	150	120	110	170	170	170	280	280	280	280	170	170	
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	*	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

5	*	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1
6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	*	0.0	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	0.0	0.0	0.0	0.0	0.0
8	*	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0
9	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
12	*	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1
13	*	0.0	0.0	0.0	0.0	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	0.0
14	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	*	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.3

JOB: INT 32 PP2030PM

RUN: INT 32 PP2030PM

DATE : 11/12/ 7

TIME : 15:36:23

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

		* CO/LINK (PPM)							
		* ANGLE (DEGREES)							
		REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
LINK #	*	170	270	270	270	270	190	190	190
1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	*	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.0
3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	*	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2
6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	*	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0
9	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	*	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
12	*	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.2
13	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	*	0.3	0.1	0.0	0.0	0.0	0.1	0.1	0.1

CAL3QHC Model Output

**Harbor / SR-47 EB Offramp / Swinford
p.m. Peak Hour**

No Project - 2030

JOB: INT 32 NP2030PM

RUN: INT 32 NP2030PM

DATE : 11/12/ 7
 TIME : 15:36:24

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 BRG = 0. DEGREES

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. EBT	* -36.0	-6.0	-110.9	-6.0	* 75.	270.	AG	11.	100.0	0.0	12.0	0.68	3.8
2. EBR	* -36.0	-24.0	-6918.9	-25.6	* 6883.	270.	AG	19.	100.0	0.0	24.0	2.46	349.7
3. WBT	* 36.0	12.0	70.9	12.0	* 35.	90.	AG	23.	100.0	0.0	24.0	0.32	1.8
4. NBL	* 0.0	-24.0	0.0	-235.3	* 211.	180.	AG	19.	100.0	0.0	24.0	0.98	10.7
5. NBT	* 24.0	-24.0	24.0	-1827.1	* 1803.	180.	AG	15.	100.0	0.0	24.0	1.24	91.6
6. SBL	* -6.0	24.0	-6.0	30.4	* 6.	360.	AG	12.	100.0	0.0	12.0	0.08	0.3
7. SBT	* -24.0	24.0	-24.0	98.6	* 75.	360.	AG	21.	100.0	0.0	24.0	0.55	3.8
8. EBA	* -1000.0	-12.0	0.0	-12.0	* 1000.	90.	AG	2342.	1.0	0.0	44.0		
9. EBD	* 0.0	-6.0	1000.0	-6.0	* 1000.	90.	AG	110.	1.0	0.0	32.0		
10. WBA	* 1000.0	12.0	0.0	12.0	* 1000.	270.	AG	166.	1.0	0.0	44.0		
11. WBD	* 0.0	12.0	-1000.0	12.0	* 1000.	270.	AG	993.	1.0	0.0	44.0		
12. NBA	* 12.0	-1000.0	12.0	0.0	* 1000.	360.	AG	2428.	1.0	0.0	56.0		
13. NBD	* 24.0	0.0	24.0	1000.0	* 1000.	360.	AG	1713.	1.0	0.0	44.0		
14. SBA	* -24.0	1000.0	-24.0	0.0	* 1000.	180.	AG	404.	1.0	0.0	44.0		
15. SBD	* -24.0	0.0	-24.0	-1000.0	* 1000.	180.	AG	2524.	1.0	0.0	44.0		

JOB: INT 32 NP2030PM

RUN: INT 32 NP2030PM

DATE : 11/12/ 7
 TIME : 15:36:24

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. EBT	* 100	77	2.0	178	1375	5.52	2	3
2. EBR	* 100	64	2.0	2164	1375	5.52	2	3
3. WBT	* 100	77	2.0	166	1375	5.52	2	3
4. NBL	* 100	64	2.0	863	1375	5.52	2	3
5. NBT	* 100	50	2.0	1565	1375	5.52	2	3
6. SBL	* 100	84	2.0	14	1375	5.52	2	3
7. SBT	* 100	70	2.0	390	1375	5.52	2	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT)		
	X	Y	Z
1. R1	46.0	34.0	5.9
2. R2	128.0	34.0	5.9
3. R3	210.0	34.0	5.9
4. R4	292.0	34.0	5.9
5. R5	46.0	116.0	5.9
6. R6	46.0	198.0	5.9
7. R7	46.0	280.0	5.9
8. R8	-46.0	34.0	5.9
9. R9	-128.0	34.0	5.9
10. R10	-210.0	34.0	5.9
11. R11	-292.0	34.0	5.9
12. R12	-46.0	116.0	5.9
13. R13	-46.0	198.0	5.9
14. R14	-46.0	280.0	5.9
15. R15	-46.0	-34.0	5.9
16. R16	-128.0	-34.0	5.9
17. R17	-210.0	-34.0	5.9
18. R18	-292.0	-34.0	5.9
19. R19	-46.0	-116.0	5.9
20. R20	-46.0	-198.0	5.9
21. R21	-46.0	-280.0	5.9
22. R22	40.0	-22.0	5.9
23. R23	122.0	-22.0	5.9
24. R24	204.0	-22.0	5.9
25. R25	286.0	-22.0	5.9
26. R26	40.0	-104.0	5.9
27. R27	40.0	-186.0	5.9
28. R28	40.0	-268.0	5.9

JOB: INT 32 NP2030PM

RUN: INT 32 NP2030PM

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.	0.2	0.0	0.0	0.0	0.2	0.2	0.1	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
10.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.5	0.2	0.2	0.2	0.2	0.3
20.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.5	0.2	0.2	0.2	0.2	0.4
30.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.4	0.2	0.2	0.2	0.2	0.3

40.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.3	0.3
50.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
60.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
70.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.4	0.4	0.2	0.2
80.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.4	0.2	0.2
90.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.2	0.2	0.3	0.3	0.2	0.2
100.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.0	0.0	0.2	0.1	0.1	0.1	0.2	0.2
110.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
120.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2
130.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.2	0.2
140.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.3
150.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.1	0.1	0.0	0.1	0.3	0.2	0.0	0.0	0.3
160.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.1	0.2	0.0	0.1	0.5	0.2	0.1	0.0	0.4
170.	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.1	0.1	0.5	0.3	0.3	0.5	0.2	0.0	0.0	0.5
180.	*	0.3	0.0	0.0	0.0	0.3	0.4	0.4	0.4	0.1	0.1	0.1	0.3	0.2	0.2	0.3	0.0	0.0	0.0	0.3
190.	*	0.6	0.3	0.0	0.0	0.5	0.3	0.4	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
200.	*	0.3	0.2	0.1	0.0	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
210.	*	0.3	0.2	0.0	0.0	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
220.	*	0.3	0.1	0.0	0.0	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
230.	*	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.	*	0.2	0.0	0.0	0.0	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.	*	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.	*	0.4	0.2	0.2	0.2	0.3	0.2	0.1	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.0
270.	*	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.5	0.5	0.5	0.5	0.1
280.	*	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.2
290.	*	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.2
300.	*	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1
310.	*	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1
320.	*	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0
330.	*	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0
340.	*	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0
350.	*	0.2	0.1	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0
360.	*	0.2	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1

PAGE 4

JOB: INT 32 NP2030PM

RUN: INT 32 NP2030PM

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)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28
0.	*	0.1	0.2	0.0	0.0	0.0	0.2	0.3	0.3
10.	*	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
20.	*	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
30.	*	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0

40.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
50.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
60.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
70.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
80.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
90.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
100.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
110.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
120.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
130.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
140.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
150.	*	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	0.0	0.0	0.0	0.0	0.0	0.0
160.	*	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.	*	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.	*	0.2	0.4	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
190.	*	0.0	0.5	0.3	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
200.	*	0.0	0.5	0.2	0.1	0.0	0.0	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
210.	*	0.0	0.4	0.2	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
220.	*	0.0	0.4	0.1	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
230.	*	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
240.	*	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
250.	*	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
260.	*	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
270.	*	0.0	0.7	0.4	0.3	0.2	0.2	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
280.	*	0.0	0.6	0.2	0.0	0.0	0.0	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
290.	*	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
300.	*	0.0	0.1	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
310.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
320.	*	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
330.	*	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
340.	*	0.0	0.1	0.1	0.0	0.0	0.0	0.2	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
350.	*	0.0	0.2	0.1	0.0	0.0	0.0	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
360.	*	0.1	0.2	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

THE HIGHEST CONCENTRATION OF 0.70 PPM OCCURRED AT RECEPTOR REC22.

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JOB: INT 32 NP2030PM

RUN: INT 32 NP2030PM

DATE : 11/12/ 7

TIME : 15:36:24

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

		CO/LINK (PPM)																			
		ANGLE (DEGREES)																			
		REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
LINK #	*	190	190	270	260	190	180	180	170	150	120	110	170	170	170	280	280	280	280	170	170
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	*	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	*	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	*	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1

6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	*	0.0	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	0.0	0.0	0.0	0.0	0.0
8	*	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0
9	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0
11	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
12	*	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1
13	*	0.0	0.0	0.0	0.0	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
14	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	*	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.3

JOB: INT 32 NP2030PM

RUN: INT 32 NP2030PM

DATE : 11/12/ 7

TIME : 15:36:24

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

* CO/LINK (PPM)									
* ANGLE (DEGREES)									
* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28									
LINK #	*	170	270	270	270	270	190	190	190
1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	*	0.0	0.2	0.2	0.2	0.1	0.0	0.0	0.0
3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	*	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.2
6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	*	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0
9	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
12	*	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.2
13	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	*	0.3	0.1	0.0	0.0	0.0	0.1	0.1	0.1