APPENDIX B

LOCALIZED SIGNIFICANCE ANALYSIS

Table 1: Ambient Pollutant Concentrations Measured at the xxx Air Monitoring Station

Pollutant	Standard	2006	2007	2008
CO	Maximum 1-hr concentration (ppm)	3.5	4.5	3
CO	Maximum 8-hr concentration (ppm)	3	3.1	2
PM_{10}	Maximum 24-hr concentration (µg/m^3)	104	489	61
$PM_{2.5}$	Maximum 24-hr concentration (µg/m^3)	56.2	79.4	39.4
NO_2	Maximum 1-hr concentration (ppm)	0.101	0.074	0.081

µg/m^3 = (ppm x MW x 1,000)/(24.5 L/mol at 25 C)

Table 2: Emission Rates from Table E in the AQ Report

Source	Emission Rate (lb/day)					
			PM_{10}		$PM_{2.5}$	
	NO_X	CO	Exhaust	Fugitive	Exhaust	Fugitive
Construction Emissions						
Construction Exhaust and Fugitive Dust	**135.2**	**64.7**	**6.4**	**50.2**	**5.8**	**10.5**

Table 3: Construction-Related Concentrations

Direction	Distance (m)	Unitized NO_X/CO 1-Hr conc. ug/m^3	1-Hr Concentrations NO_2 [1] µg/m^3 at 135 lb/day	CO µg/m^3 at 65 lb/day	Unitized CO 8-Hr conc. ug/m^3	8-Hr Conc. CO µg/m^3 at 65 lb/day	Unitized PM_{10} 24-Hr conc. ug/m^3	24-Hr Conc. PM_{10} µg/m^3 at 50.2 lb/day	Unitized $PM_{2.5}$ 24-Hr conc. ug/m^3	24-Hr Conc. $PM_{2.5}$ µg/m^3 at 16.3 lb/day
West	55	11,109	71.26279152	566.0220741	1851.556	94.33701439	92.14569	42.83639496	686.68103	8.81421505

[1] NOx concentration includes the NO_2 to NOx ratio (Final Localized Significance Threshold Methodology, page 2-8)

Note: Assumes construction equipment operates 8 hours per day.

Note: Number of AERMOD area sources used for PM_{10} modeling: 1

Note: Number of AERMOD volume sources used for gas & $PM_{2.5}$ modeling: 20

Category	Maximum Increase in Ambient Concentrations for Off-Site Sensitive Receptors During Project Construction
PM_{10} (24-hour)[b]	
Maximum Concentration Increase (µg/m^3)	42.8
Threshold (µg/m^3)	10.4
Over/(Under)	32.4
Adverse Concentration	Yes
$PM_{2.5}$ (24-hour)[b]	
Maximum Concentration Increase (µg/m^3)	8.81
Threshold (µg/m^3)	10.4
Over/(Under)	(1.6)
Adverse Concentration	No
NO_2 (1-hour)	
Maximum Concentration Increase (µg/m^3)	71
Threshold (µg/m^3)	149
Over/(Under)	(78)
Adverse Concentration	No
CO (1-Hour)	
Maximum Concentration Increase (µg/m^3)	570
Threshold (µg/m^3)	17,857
Over/(Under)	(17,287)
Adverse Concentration	No
CO (8-Hour)	
Maximum Concentration Increase (µg/m^3)	94
Threshold (µg/m^3)	6,457
Over/(Under)	(6,363)
Adverse Concentration	No

Table 2-4. NO_2-to-NOx Ratio as a Function of Downwind Distance

Downwind Distance (m)	NO2/NOx Ratio
20	0.053
50	0.059
70	0.064
100	0.074
200	0.114
500	0.258
1000	0.467
2000	0.75
3000	0.9
4000	0.978
5000	1

NO2/NOx Ratio for distance in Table 3: 0.06025

CONC DFAULT ELEV

*** MODEL SETUP OPTIONS SUMMARY ***

- - - -

**MODELOPTs:
CONC DFAULT ELEV

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
AREA1	0	0.10560E-03	419155.5	3719319.2	50.4	1.00	81.20	116.59	25.29	0.00	YES	HROFDY

**MODELOPTs:
CONC DFAULT ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	AREA1 ,

**MODELOPTs:
CONC DFAULT ELEV

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

SOURCE ID = AREA1 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

**MODELOPTs:
CONC DFAULT ELEV

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

(419477.2,	3719597.2,	80.0,	80.0,	0.0);	(419442.5,	3719569.0,	78.0,	78.0,	0.0);
(419411.0,	3719516.5,	75.9,	80.0,	0.0);	(419395.7,	3719479.5,	74.6,	80.0,	0.0);
(419388.4,	3719444.8,	73.5,	73.5,	0.0);					

**MODELOPTs:
CONC DFAULT ELEV

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

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 0 0 0 0
AND END DATE: 9999 99 99 24

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

**MODELOPTs:
CONC DFAULT ELEV

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

Surface file: P:\CNB0901\AIRQUA~1\LST\csta.SFC Met Version: 06341
Profile file: P:\CNB0901\AIRQUA~1\LST\csta.PFL
Surface format: (3(I2,1X),I3,1X,I2,1X,F6.1,1X,3(F6.3,1X),2(F5.0,1X),F8.1,1X,F6.3,1X,2(F6.2,1X),F7.2,1X,F5.0,3(1X,F6.1))
Profile format: (4(I2,1X),F6.1,1X,I1,1X,F5.0,1X,F7.2,1X,F7.2,1X,F6.1,1X,F7.2)
Surface station no.: 0 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	281.4	5.5
05	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	281.4	5.5
05	01	01	1	03	-0.2	0.018	-9.000	-9.000	-999.	6.	2.4	0.40	1.00	1.00	0.28	59.	9.1	280.9	5.5
05	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	280.4	5.5
05	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	279.9	5.5
05	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	279.9	5.5
05	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	279.2	5.5
05	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	0.53	0.00	0.	9.1	279.9	5.5
05	01	01	1	09	43.6	0.085	0.494	0.005	100.	57.	-1.3	0.40	1.00	0.31	0.30	69.	9.1	282.5	5.5
05	01	01	1	10	111.3	0.130	1.379	0.005	852.	108.	-1.8	0.40	1.00	0.24	0.50	68.	9.1	285.4	5.5
05	01	01	1	11	136.0	0.117	1.657	0.010	1210.	93.	-1.1	0.40	1.00	0.21	0.40	54.	9.1	287.5	5.5
05	01	01	1	12	14.1	0.087	0.779	0.010	1213.	59.	-4.2	0.40	1.00	0.20	0.40	328.	9.1	285.9	5.5
05	01	01	1	13	27.0	0.121	0.969	0.010	1219.	97.	-5.9	0.40	1.00	0.20	0.60	233.	9.1	286.4	5.5
05	01	01	1	14	17.0	0.138	0.832	0.009	1222.	118.	-14.0	0.40	1.00	0.21	0.80	215.	9.1	286.4	5.5
05	01	01	1	15	3.8	0.155	0.504	0.009	1223.	140.	-88.6	0.40	1.00	0.24	1.10	206.	9.1	286.4	5.5
05	01	01	1	16	0.1	0.104	0.150	0.009	1223.	77.	-1009.2	0.40	1.00	0.33	0.80	188.	9.1	285.9	5.5
05	01	01	1	17	-0.3	0.019	-9.000	-9.000	-999.	18.	2.2	0.40	1.00	0.60	0.30	214.	9.1	285.9	5.5
05	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	285.4	5.5
05	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	284.9	5.5
05	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	284.2	5.5
05	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	283.8	5.5
05	01	01	1	22	-0.3	0.018	-9.000	-9.000	-999.	6.	2.0	0.40	1.00	1.00	0.28	91.	9.1	283.1	5.5
05	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	283.1	5.5
05	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	282.0	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
05	01	01	01	5.5	0	-999.	-99.00	281.5	99.0	-99.00	-99.00
05	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

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

**MODELOPTs:
CONC DFAULT ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
419477.19	3719597.25	1.95457	419442.50	3719569.00	2.55633
419411.03	3719516.50	4.06977	419395.72	3719479.50	5.66196
419388.44	3719444.75	7.16354			

**MODELOPTs:
CONC DFAULT ELEV

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
419477.19	3719597.25	57.51967c	(05102424)	419442.50	3719569.00	62.26825c	(05102424)
419411.03	3719516.50	75.28929c	(05081624)	419395.72	3719479.50	92.14569c	(05081624)
419388.44	3719444.75	83.79166c	(05081624)				

**MODELOPTs:
CONC DFAULT ELEV

*** THE SUMMARY OF MAXIMUM ANNUAL (3 YRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					NETWORK OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	7.16354 AT (	419388.44,	3719444.75,	73.54,	73.54,	0.00)	DC	
	2ND HIGHEST VALUE IS	5.66196 AT (	419395.72,	3719479.50,	74.61,	80.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	4.06977 AT (	419411.03,	3719516.50,	75.92,	80.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	2.55633 AT (	419442.50,	3719569.00,	78.00,	78.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	1.95457 AT (	419477.19,	3719597.25,	79.98,	79.98,	0.00)	DC	
	6TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		

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

**MODELOPTs:
CONC DFAULT ELEV

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

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

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	92.14569c	ON 05081624:	AT (419395.72, 3719479.50, 74.61, 80.00, 0.00)	DC	

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

CONC DFAULT ELEV

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 4334 Informational Message(s)

A Total of 3401 Calm Hours Identified

A Total of 933 Missing Hours Identified (3.55 Percent)

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

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

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

```
**MODELOPTs:
CONC                      DFAULT ELEV

                                        ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - -
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
VOL1	0	0.10000E+01	419168.5	3719331.2	52.3	1.00	4.65	2.33	YES	HROFDY
VOL2	0	0.10000E+01	419176.5	3719350.8	51.0	1.00	4.65	2.33	YES	HROFDY
VOL3	0	0.10000E+01	419187.1	3719371.0	53.3	1.00	4.65	2.33	YES	HROFDY
VOL4	0	0.10000E+01	419195.7	3719391.0	55.4	1.00	4.65	2.33	YES	HROFDY
VOL5	0	0.10000E+01	419204.1	3719411.5	60.5	1.00	4.65	2.33	YES	HROFDY
VOL6	0	0.10000E+01	419224.3	3719404.8	58.4	1.00	4.65	2.33	YES	HROFDY
VOL7	0	0.10000E+01	419215.8	3719384.8	54.2	1.00	4.65	2.33	YES	HROFDY
VOL8	0	0.10000E+01	419207.6	3719364.2	55.2	1.00	4.65	2.33	YES	HROFDY
VOL9	0	0.10000E+01	419196.6	3719343.5	54.9	1.00	4.65	2.33	YES	HROFDY
VOL10	0	0.10000E+01	419188.1	3719323.2	54.8	1.00	4.65	2.33	YES	HROFDY
VOL11	0	0.10000E+01	419244.6	3719396.8	57.5	1.00	4.65	2.33	YES	HROFDY
VOL12	0	0.10000E+01	419235.4	3719376.8	57.0	1.00	4.65	2.33	YES	HROFDY
VOL13	0	0.10000E+01	419227.3	3719356.2	59.7	1.00	4.65	2.33	YES	HROFDY
VOL14	0	0.10000E+01	419217.2	3719336.0	58.8	1.00	4.65	2.33	YES	HROFDY
VOL15	0	0.10000E+01	419208.0	3719315.2	55.0	1.00	4.65	2.33	YES	HROFDY
VOL16	0	0.10000E+01	419264.6	3719385.5	61.4	1.00	4.65	2.33	YES	HROFDY
VOL17	0	0.10000E+01	419255.7	3719364.8	60.7	1.00	4.65	2.33	YES	HROFDY
VOL18	0	0.10000E+01	419247.2	3719344.5	60.5	1.00	4.65	2.33	YES	HROFDY
VOL19	0	0.10000E+01	419237.3	3719324.5	60.2	1.00	4.65	2.33	YES	HROFDY
VOL20	0	0.10000E+01	419228.2	3719303.8	53.4	1.00	4.65	2.33	YES	HROFDY

**MODELOPTs:
CONC DFAULT ELEV

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 ,

CONC DFAULT ELEV

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

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

CONC DFAULT ELEV

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

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

CONC DFAULT ELEV

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

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

CONC DFAULT ELEV

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

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

**MODELOPTs:
CONC DFAULT ELEV

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

(419477.2,	3719597.2,	80.0,	80.0,	0.0);	(419442.5,	3719569.0,	78.0,	78.0,	0.0);
(419411.0,	3719516.5,	75.9,	80.0,	0.0);	(419395.7,	3719479.5,	74.6,	80.0,	0.0);
(419388.4,	3719444.8,	73.5,	73.5,	0.0);					

**MODELOPTs:
CONC DFAULT ELEV

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

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 0 0 0 0
AND END DATE: 9999 99 99 24

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

**MODELOPTs:
CONC DFAULT ELEV

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

Surface file: P:\CNB0901\AIRQUA~1\LST\csta.SFC Met Version: 06341
Profile file: P:\CNB0901\AIRQUA~1\LST\csta.PFL
Surface format: (3(I2,1X),I3,1X,I2,1X,F6.1,1X,3(F6.3,1X),2(F5.0,1X),F8.1,1X,F6.3,1X,2(F6.2,1X),F7.2,1X,F5.0,3(1X,F6.1))
Profile format: (4(I2,1X),F6.1,1X,I1,1X,F5.0,1X,F7.2,1X,F7.2,1X,F6.1,1X,F7.2)
Surface station no.: 0 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2005 Year: 2005

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
05	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	281.4	5.5
05	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	281.4	5.5
05	01	01	1	03	-0.2	0.018	-9.000	-9.000	-999.	6.	2.4	0.40	1.00	1.00	0.28	59.	9.1	280.9	5.5
05	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	280.4	5.5
05	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	279.9	5.5
05	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	279.9	5.5
05	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	279.2	5.5
05	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	0.53	0.00	0.	9.1	279.9	5.5
05	01	01	1	09	43.6	0.085	0.494	0.005	100.	57.	-1.3	0.40	1.00	0.31	0.30	69.	9.1	282.5	5.5
05	01	01	1	10	111.3	0.130	1.379	0.005	852.	108.	-1.8	0.40	1.00	0.24	0.50	68.	9.1	285.4	5.5
05	01	01	1	11	136.0	0.117	1.657	0.010	1210.	93.	-1.1	0.40	1.00	0.21	0.40	54.	9.1	287.5	5.5
05	01	01	1	12	14.1	0.087	0.779	0.010	1213.	59.	-4.2	0.40	1.00	0.20	0.40	328.	9.1	285.9	5.5
05	01	01	1	13	27.0	0.121	0.969	0.010	1219.	97.	-5.9	0.40	1.00	0.20	0.60	233.	9.1	286.4	5.5
05	01	01	1	14	17.0	0.138	0.832	0.009	1222.	118.	-14.0	0.40	1.00	0.21	0.80	215.	9.1	286.4	5.5
05	01	01	1	15	3.8	0.155	0.504	0.009	1223.	140.	-88.6	0.40	1.00	0.24	1.10	206.	9.1	286.4	5.5
05	01	01	1	16	0.1	0.104	0.150	0.009	1223.	77.	-1009.2	0.40	1.00	0.33	0.80	188.	9.1	285.9	5.5
05	01	01	1	17	-0.3	0.019	-9.000	-9.000	-999.	18.	2.2	0.40	1.00	0.60	0.30	214.	9.1	285.9	5.5
05	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	285.4	5.5
05	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	284.9	5.5
05	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	284.2	5.5
05	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	283.8	5.5
05	01	01	1	22	-0.3	0.018	-9.000	-9.000	-999.	6.	2.0	0.40	1.00	1.00	0.28	91.	9.1	283.1	5.5
05	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	283.1	5.5
05	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.40	1.00	1.00	0.00	0.	9.1	282.0	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
05	01	01	01	5.5	0	-999.	-99.00	281.5	99.0	-99.00	-99.00
05	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

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

**MODELOPTs:
CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 3 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 ,
VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
419477.19	3719597.25	37.38147	419442.50	3719569.00	48.99567
419411.03	3719516.50	76.92983	419395.72	3719479.50	106.25521
419388.44	3719444.75	135.26228			

**MODELOPTs:
CONC DFAULT ELEV

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 ,
VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
419477.19	3719597.25	4460.75586	(05102409)	419442.50	3719569.00	5179.80762	(07032008)
419411.03	3719516.50	7627.24951	(05111008)	419395.72	3719479.50	10004.00195	(05111008)
419388.44	3719444.75	11109.33594	(05032808)				

**MODELOPTs:
CONC DFAULT ELEV

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 ,
VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
419477.19	3719597.25	990.80463	(05102416)	419442.50	3719569.00	1106.44922	(05102416)
419411.03	3719516.50	1271.20825c	(05111008)	419395.72	3719479.50	1667.33362c	(05111008)
419388.44	3719444.75	1851.55603c	(05032808)				

**MODELOPTs:
CONC DFAULT ELEV

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 ,
VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
419477.19	3719597.25	487.04953c	(05102424)	419442.50	3719569.00	568.69623c	(05102424)
419411.03	3719516.50	656.20490c	(05102424)	419395.72	3719479.50	602.55969c	(05111024)
419388.44	3719444.75	686.68103c	(06082224)				

**MODELOPTs:
CONC DFAULT ELEV

*** THE SUMMARY OF MAXIMUM ANNUAL (3 YRS) RESULTS ***

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

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	135.26228 AT	(419388.44, 3719444.75, 73.54, 73.54, 0.00)	DC	
	2ND HIGHEST VALUE IS	106.25521 AT	(419395.72, 3719479.50, 74.61, 80.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	76.92983 AT	(419411.03, 3719516.50, 75.92, 80.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	48.99567 AT	(419442.50, 3719569.00, 78.00, 78.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	37.38147 AT	(419477.19, 3719597.25, 79.98, 79.98, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	7TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	8TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT	(0.00, 0.00, 0.00, 0.00, 0.00)		

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

CONC DFAULT ELEV

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	11109.33594	ON 05032808:	AT (419388.44, 3719444.75, 73.54, 73.54, 0.00)	DC	

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

CONC DFAULT ELEV

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
ALL HIGH 1ST HIGH VALUE IS	1851.55603c	ON 05032808:	AT (419388.44, 3719444.75, 73.54, 73.54, 0.00)	DC	

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

CONC DFAULT ELEV

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

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

GROUP ID		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	686.68103c	ON 06082224:	AT (419388.44, 3719444.75, 73.54, 73.54, 0.00)	DC	

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

CONC DFAULT ELEV

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 4334 Informational Message(s)

A Total of 3401 Calm Hours Identified

A Total of 933 Missing Hours Identified (3.55 Percent)

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

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

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