

AP Estimates 32-2400516-001 06/14/2006 LES  
 TMessier 41316 NEF  
 NEF ER - Construction Vehicle Air Pollution Estimates

CO STARTING  
 CO TITLEONE NATIONAL ENRICHMENT FACILITY AREA SOURCE  
 CO MODELOPT DFAULT CONC RURAL  
 CO AVERTIME 1 3 8 24 ANNUAL  
 CO TERRHGTS FLAT  
 CO FLAGPOLE 0.0  
 CO POLLUTID OTHER  
 CO RUNORNOT RUN  
 CO ERRORFIL NEFERRS.LST  
 CO FINISHED

SO STARTING

**	SRCID	SRCTYP	XS	YS	ZS
**	-----	-----	-----	-----	-----
SO LOCATION	1	AREA	-426.5	-426.5	.0000

**	SRCID	QS	HS	XINIT
**	-----	-----	-----	-----
SO SRCPARAM	1	1.37e-6	1.0	853.

SO HOUREMIS NEFEMISS.TXT 1

SO SRCGROUP NEF 1

SO FINISHED

RE STARTING

RE DISCCART	0.0	576.5	0	0
RE DISCCART	238.8	576.5	0	0
RE DISCCART	576.5	576.5	0	0
RE DISCCART	576.5	238.8	0	0
RE DISCCART	576.5	0.0	0	0
RE DISCCART	576.5	-238.8	0	0
RE DISCCART	576.5	-576.5	0	0
RE DISCCART	238.8	-576.5	0	0
RE DISCCART	0.0	-576.5	0	0
RE DISCCART	-238.8	-576.5	0	0
RE DISCCART	-576.5	-576.5	0	0
RE DISCCART	-576.5	-238.8	0	0
RE DISCCART	-576.5	0.0	0	0
RE DISCCART	-576.5	238.8	0	0
RE DISCCART	-576.5	576.5	0	0
RE DISCCART	-238.8	576.5	0	0

RE FINISHED

ME STARTING

ME INPUTFIL 1987.OUT

ME ANEMHGHT 10.0 METERS

ME SURFDATA 23023 1987 MIDLAND, TX  
ME UAIRDATA 23023 1987 MIDLAND, TX  
ME FINISHED

OU STARTING  
OU RECTABLE ALLAVE FIRST SECOND  
OU MAXTABLE ALLAVE 50  
OU FINISHED

\*\*\* Message Summary For ISC3 Model Setup \*\*\*

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

A Total of 0 Fatal Error Message(s)  
A Total of 16 Warning Message(s)  
A Total of 0 Informational Message(s)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
RE W229 29 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 30 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 31 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 32 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 33 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 34 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 35 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 36 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 37 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 38 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 39 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 40 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 41 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 42 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART

RE W229 43 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 44 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART

\*\*\*\*\*  
\*\*\* SETUP Finishes Successfully \*\*\*  
\*\*\*\*\*



Model Outputs Tables of Highest Short Term Values by Receptor  
(RECTABLE Keyword)

Model Outputs Tables of Overall Maximum Short Term Values  
(MAXTABLE Keyword)

\*\*NOTE: The Following Flags May Appear Following CONC Values: c for  
Calm Hours

m for

Missing Hours

b for

Both Calm and Missing Hours

\*\*Misc. Inputs: Anem. Hgt. (m) = 10.00 ; Decay Coef. = 0.000  
; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC  
; Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 1.2 MB of RAM.

\*\*Input Runstream File: nef1987.inp

\*\*Output Print File: nef1987.out

\*\*Detailed Error/Message File: NEFERRS.LST

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 2

CONC RURAL FLAT FLGPOL DFAULT

\*\*\* AREA SOURCE DATA \*\*\*

X-DIM	Y-DIM	NUMBER	EMISSION	RATE	COORD (SW CORNER)	BASE	RELEASE	
SOURCE	PART.	ORIENT.	INIT.	EMISSION	X	Y	ELEV.	HEIGHT
AREA	OF	AREA	OF	AREA	SZ	SCALAR	VARY	OF
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	(METERS)	(DEG.)	(METERS)	BY				
1	0	0.13700E-05	-426.5	-426.5	0.0	1.00		
853.00	853.00	0.00	0.00	HOURLY				

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 3

CONC

RURAL FLAT FLGPOL DFAULT

\*\*\* SOURCE IDs DEFINING SOURCE

GROUPS \*\*\*

GROUP ID

SOURCE IDs

NEF 1 ,

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 4

CONC

RURAL FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN

RECEPTORS \*\*\*

(X-COORD, Y-COORD, ZELEV,

ZFLAG)

(METERS)

(	0.0,	576.5,	0.0,	0.0);	(	238.8,
576.5,	0.0,	0.0);				
(	576.5,	576.5,	0.0,	0.0);	(	576.5,
238.8,	0.0,	0.0);				
(	576.5,	0.0,	0.0,	0.0);	(	576.5,
-238.8,	0.0,	0.0);				
(	576.5,	-576.5,	0.0,	0.0);	(	238.8,
-576.5,	0.0,	0.0);				
(	0.0,	-576.5,	0.0,	0.0);	(	-238.8,
-576.5,	0.0,	0.0);				
(	-576.5,	-576.5,	0.0,	0.0);	(	-576.5,
-238.8,	0.0,	0.0);				
(	-576.5,	0.0,	0.0,	0.0);	(	-576.5,
238.8,	0.0,	0.0);				
(	-576.5,	576.5,	0.0,	0.0);	(	-238.8,
576.5,	0.0,	0.0);				





.10000E+00	C	.10000E+00	.10000E+00	.10000E+00
.10000E+00	.10000E+00	.10000E+00	.10000E+00	.10000E+00
.15000E+00	D	.15000E+00	.15000E+00	.15000E+00
.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
.35000E+00	E	.35000E+00	.35000E+00	.35000E+00
.35000E+00	.35000E+00	.35000E+00	.35000E+00	.35000E+00
.55000E+00	F	.55000E+00	.55000E+00	.55000E+00
.55000E+00	.55000E+00	.55000E+00	.55000E+00	.55000E+00

\*\*\* VERTICAL POTENTIAL

TEMPERATURE GRADIENTS \*\*\*

(DEGREES KELVIN PER

METER)

	STABILITY CATEGORY	WIND SPEED CATEGORY		
		1	2	3
4	5	6		
.00000E+00	A	.00000E+00	.00000E+00	.00000E+00
.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
.00000E+00	B	.00000E+00	.00000E+00	.00000E+00
.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
.00000E+00	C	.00000E+00	.00000E+00	.00000E+00
.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
.00000E+00	D	.00000E+00	.00000E+00	.00000E+00
.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
.20000E-01	E	.20000E-01	.20000E-01	.20000E-01
.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
.35000E-01	F	.35000E-01	.35000E-01	.35000E-01
.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01



87 01 01 14	269.0	4.63	282.6	3	768.0	768.0	0.0000
0.0 0.0000	0	0.00					
87 01 01 15	312.0	4.63	283.2	3	768.0	768.0	0.0000
0.0 0.0000	0	0.00					
87 01 01 16	294.0	4.12	282.6	3	768.0	768.0	0.0000
0.0 0.0000	0	0.00					
87 01 01 17	291.0	4.63	282.6	4	768.0	768.0	0.0000
0.0 0.0000	0	0.00					
87 01 01 18	257.0	2.57	279.8	5	773.3	750.0	0.0000
0.0 0.0000	0	0.00					
87 01 01 19	294.0	3.60	277.0	5	806.7	636.3	0.0000
0.0 0.0000	0	0.00					
87 01 01 20	297.0	4.12	277.0	5	840.2	522.6	0.0000
0.0 0.0000	0	0.00					
87 01 01 21	310.0	2.57	275.4	6	873.6	409.0	0.0000
0.0 0.0000	0	0.00					
87 01 01 22	332.0	2.06	273.1	6	907.0	295.3	0.0000
0.0 0.0000	0	0.00					
87 01 01 23	330.0	0.00	272.6	7	940.5	181.7	0.0000
0.0 0.0000	0	0.00					
87 01 01 24	330.0	3.60	271.5	6	973.9	68.0	0.0000
0.0 0.0000	0	0.00					

\*\*\* NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.  
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 7

CONC

RURAL FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE  
CONCENTRATION VALUES FOR SOURCE GROUP: NEF \*\*\*  
INCLUDING SOURCE(S): 1 ,

\*\*\* DISCRETE CARTESIAN

RECEPTOR POINTS \*\*\*

MICROGRAMS/M**3			** CONC OF OTHER	IN
			**	
X-COORD (M)	Y-COORD (M)	Y-COORD (M)	CONC	X-COORD
(M)	Y-COORD (M)	CONC		
-	-	-	-	-
-	-	-	-	-
	0.00	576.50	1.53106	
238.80	576.50	1.37391		
	576.50	576.50	0.51528	
576.50	238.80	0.65620		
	576.50	0.00	0.63120	
576.50	-238.80	0.51744		
	576.50	-576.50	0.29511	
238.80	-576.50	0.66998		
	0.00	-576.50	0.74802	-
238.80	-576.50	0.67972		
	-576.50	-576.50	0.31534	-
576.50	-238.80	0.58595		
	-576.50	0.00	0.73031	-
576.50	238.80	0.75837		
	-576.50	576.50	0.57540	-
238.80	576.50	1.42476		

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 8

CONC

RURAL FLAT FLGPOL DFAULT

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE  
CONCENTRATION VALUES FOR SOURCE GROUP: NEF \*\*\*  
INCLUDING SOURCE(S): 1 ,

\*\*\* DISCRETE CARTESIAN

RECEPTOR POINTS \*\*\*

MICROGRAMS/M\*\*3 \*\* CONC OF OTHER IN \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-
238.80	0.00	331.80051	(87031907)	
576.50	576.50	331.81244	(87031907)	
576.50	576.50	107.98307	(87031907)	
576.50	238.80	76.19966	(87112008)	
576.50	576.50	0.00	76.19931	(87112008)
576.50	-238.80	69.09081	(87112008)	
238.80	576.50	49.17483	(87112808)	
238.80	-576.50	77.14007	(87121607)	
-238.80	0.00	76.75877	(87121607)	
-238.80	-576.50	78.32694	(87010108)	
-576.50	-576.50	64.35462	(87010108)	
-576.50	-238.80	43.68225	(87010108)	
-576.50	-576.50	0.00	68.90948	(87072607)
-576.50	238.80	78.08332	(87072607)	
-238.80	-576.50	75.30151	(87030808)	
-238.80	576.50	269.91486	(87031907)	

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 9

CONC RURAL FLAT FLGPOL DFAULT

\*\*\* THE 2ND HIGHEST 1-HR AVERAGE  
CONCENTRATION VALUES FOR SOURCE GROUP: NEF \*\*\*  
INCLUDING SOURCE(S): 1 ,

\*\*\* DISCRETE CARTESIAN

RECEPTOR POINTS \*\*\*

MICROGRAMS/M\*\*3 \*\* CONC OF OTHER IN \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-
-	-	-	-	-
238.80	0.00	576.50	76.86844	(87111108)
238.80	576.50	76.19644	(87111407)	
576.50	576.50	576.50	50.02505	(87030508)
576.50	238.80	57.33850	(87030507)	
576.50	576.50	0.00	57.33853	(87030507)
576.50	-238.80	51.26278	(87011208)	
238.80	576.50	-576.50	47.25730	(87091908)
238.80	-576.50	76.65491	(87012907)	
-238.80	0.00	-576.50	76.62634	(87012907)
-238.80	-576.50	76.44371	(87010107)	
-576.50	-576.50	-576.50	53.54442	(87032107)
-576.50	-238.80	43.14668	(87013007)	
-576.50	-576.50	0.00	57.47945	(87121707)
-576.50	238.80	71.96892	(87030807)	
-238.80	-576.50	576.50	72.19707	(87030807)
-238.80	576.50	77.58331	(87102807)	

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 10

CONC

RURAL FLAT FLGPOL DFAULT

\*\*\* THE 1ST HIGHEST 3-HR AVERAGE  
CONCENTRATION VALUES FOR SOURCE GROUP: NEF \*\*\*  
INCLUDING SOURCE(S): 1 ,

\*\*\* DISCRETE CARTESIAN

RECEPTOR POINTS \*\*\*

MICROGRAMS/M\*\*3 \*\* CONC OF OTHER IN \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-
COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	
-	-	-	-	-
-	-	-	-	-
238.80	0.00	576.50	124.78831 (87031909)	
238.80	576.50	123.76048	(87031909)	
576.50	576.50	576.50	36.17153 (87031909)	
576.50	238.80	36.80844	(87030509)	
576.50	576.50	0.00	32.73395 (87011209)	
576.50	-238.80	28.66562	(87020809)	
238.80	576.50	-576.50	30.52040c (87112809)	
238.80	-576.50	51.96171	(87121609)	
-238.80	0.00	-576.50	57.46581 (87010109)	
-238.80	-576.50	64.20442	(87010109)	
-576.50	-576.50	-576.50	35.72803 (87010109)	
-576.50	-238.80	27.76645	(87013009)	
-576.50	-576.50	0.00	32.49636 (87030809)	
-576.50	238.80	49.06581	(87030809)	
-238.80	-576.50	576.50	59.00103 (87030809)	
-238.80	576.50	104.10873	(87031909)	



\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59  
\*\*MODELOPTs:

PAGE 11  
CONC RURAL FLAT FLGPOL DFAULT

\*\*\* THE 2ND HIGHEST 3-HR AVERAGE  
CONCENTRATION VALUES FOR SOURCE GROUP: NEF \*\*\*  
INCLUDING SOURCE(S): 1 ,

\*\*\* DISCRETE CARTESIAN  
RECEPTOR POINTS \*\*\*

MICROGRAMS/M\*\*3 \*\* CONC OF OTHER IN \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-
COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	
-	-	-	-	-
-	-	-	-	-
238.80	0.00	576.50	47.69962 (87111409)	
238.80	576.50	47.69363	(87111409)	
576.50	576.50	576.50	31.24438 (87030509)	
576.50	238.80	30.61281	(87011209)	
576.50	576.50	0.00	30.09030 (87030509)	
576.50	-238.80	28.33004	(87031109)	
238.80	576.50	-576.50	28.62865 (87091909)	
238.80	-576.50	38.31050	(87012909)	
-238.80	0.00	-576.50	53.41897 (87121609)	
-238.80	-576.50	41.02702	(87112909)	
-576.50	-576.50	-576.50	23.11439 (87080509)	
-576.50	-238.80	20.70834	(87121709)	
-576.50	-576.50	0.00	30.88382 (87102809)	
-576.50	238.80	41.70366	(87102809)	
-238.80	-576.50	576.50	39.41438 (87102809)	
-238.80	576.50	48.96635	(87030809)	









\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 16

CONC

RURAL FLAT FLGPOL DFAULT

CONCENTRATION VALUES FOR SOURCE GROUP: NEF \*\*\*  
\*\*\* THE MAXIMUM 50 1-HR AVERAGE  
INCLUDING SOURCE(S): 1 ,

MICROGRAMS/M\*\*3 \*\* CONC OF OTHER IN  
\*\*

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK
CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE		
1.	331.81244	(87031907) AT (	238.80, 576.50) DC	26.
71.96892	(87030807) AT (	-576.50, 238.80)	DC	
2.	331.80051	(87031907) AT (	0.00, 576.50) DC	27.
69.13331	(87111407) AT (	-238.80, 576.50)	DC	
3.	269.91486	(87031907) AT (	-238.80, 576.50) DC	28.
69.09081	(87112008) AT (	576.50, -238.80)	DC	
4.	107.98307	(87031907) AT (	576.50, 576.50) DC	29.
68.90948	(87072607) AT (	-576.50, 0.00)	DC	
5.	78.32694	(87010108) AT (	-238.80, -576.50) DC	30.
68.73280	(87030808) AT (	-238.80, 576.50)	DC	
6.	78.08332	(87072607) AT (	-576.50, 238.80) DC	31.
64.35462	(87010108) AT (	-576.50, -576.50)	DC	
7.	77.58331	(87102807) AT (	-238.80, 576.50) DC	32.
62.22571	(87032107) AT (	-238.80, -576.50)	DC	
8.	77.14007	(87121607) AT (	238.80, -576.50) DC	33.
59.46849	(87010107) AT (	238.80, -576.50)	DC	
9.	77.00543	(87111108) AT (	-238.80, 576.50) DC	34.
59.02822	(87091107) AT (	238.80, -576.50)	DC	
10.	76.86844	(87111108) AT (	0.00, 576.50) DC	35.
59.00547	(87011907) AT (	238.80, 576.50)	DC	
11.	76.75877	(87121607) AT (	0.00, -576.50) DC	36.
58.42252	(87020207) AT (	238.80, 576.50)	DC	
12.	76.65491	(87012907) AT (	238.80, -576.50) DC	37.
58.42252	(87080507) AT (	-238.80, -576.50)	DC	
13.	76.62634	(87012907) AT (	0.00, -576.50) DC	38.
58.29216	(87102808) AT (	-576.50, 238.80)	DC	
14.	76.44371	(87010107) AT (	-238.80, -576.50) DC	39.
58.13107	(87010108) AT (	0.00, -576.50)	DC	
15.	76.44363	(87010107) AT (	0.00, -576.50) DC	40.
58.06850	(87100207) AT (	238.80, -576.50)	DC	
16.	76.19966	(87112008) AT (	576.50, 238.80) DC	41.
57.64739	(87031207) AT (	238.80, 576.50)	DC	
17.	76.19931	(87112008) AT (	576.50, 0.00) DC	42.
57.62619	(87031207) AT (	0.00, 576.50)	DC	

18.	76.19644	(87111407)	AT	(	238.80,	576.50)	DC	43.
57.47945	(87121707)	AT	(	-576.50,	0.00)	DC		
19.	76.19638	(87111407)	AT	(	0.00,	576.50)	DC	44.
57.47928	(87121707)	AT	(	-576.50,	238.80)	DC		
20.	75.83327	(87090207)	AT	(	238.80,	-576.50)	DC	45.
57.36623	(87030107)	AT	(	-238.80,	-576.50)	DC		
21.	75.83263	(87090207)	AT	(	0.00,	-576.50)	DC	46.
57.33853	(87030507)	AT	(	576.50,	0.00)	DC		
22.	75.82207	(87090207)	AT	(	-238.80,	-576.50)	DC	47.
57.33850	(87030507)	AT	(	576.50,	238.80)	DC		
23.	75.30151	(87030808)	AT	(	-576.50,	576.50)	DC	48.
57.04470	(87112907)	AT	(	0.00,	-576.50)	DC		
24.	74.31824	(87102807)	AT	(	0.00,	576.50)	DC	49.
57.04452	(87112907)	AT	(	238.80,	-576.50)	DC		
25.	72.19707	(87030807)	AT	(	-576.50,	576.50)	DC	50.
56.90230	(87010407)	AT	(	238.80,	576.50)	DC		

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

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 17

CONC

RURAL FLAT FLGPOL DFAULT

CONCENTRATION VALUES FOR SOURCE GROUP: NEF \*\*\*  
\*\*\* THE MAXIMUM 50 3-HR AVERAGE  
INCLUDING SOURCE(S): 1 ,

MICROGRAMS/M\*\*3 \*\* CONC OF OTHER IN  
\*\*

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK
CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE		
1.	124.78831	(87031909) AT (	0.00, 576.50) DC	26.
36.54829	(87100209)	AT ( 238.80,	-576.50) DC	
2.	123.76048	(87031909) AT (	238.80, 576.50) DC	27.
36.50330	(87010109)	AT ( 238.80,	-576.50) DC	
3.	104.10873	(87031909) AT (	-238.80, 576.50) DC	28.
36.19054	(87011109)	AT ( 238.80,	-576.50) DC	
4.	64.20442	(87010109) AT (	-238.80, -576.50) DC	29.
36.17153	(87031909)	AT ( 576.50,	576.50) DC	
5.	59.00103	(87030809) AT (	-576.50, 576.50) DC	30.
35.99060	(87100209)	AT ( 0.00,	-576.50) DC	
6.	57.46581	(87010109) AT (	0.00, -576.50) DC	31.
35.95336	(87111309)	AT ( 238.80,	576.50) DC	
7.	53.41897	(87121609) AT (	0.00, -576.50) DC	32.
35.72803	(87010109)	AT ( -576.50,	-576.50) DC	
8.	51.96171	(87121609) AT (	238.80, -576.50) DC	33.
35.52217	(87121609)	AT ( -238.80,	-576.50) DC	
9.	49.06581	(87030809) AT (	-576.50, 238.80) DC	34.
35.23991	(87011109)	AT ( 0.00,	-576.50) DC	
10.	48.96635	(87030809) AT (	-238.80, 576.50) DC	35.
34.93385	(87111309)	AT ( 0.00,	576.50) DC	
11.	47.69962	(87111409) AT (	0.00, 576.50) DC	36.
34.51287	(87020209)	AT ( 0.00,	576.50) DC	
12.	47.69363	(87111409) AT (	238.80, 576.50) DC	37.
33.98097c	(87111109)	AT ( 0.00,	576.50) DC	
13.	47.49092	(87010409) AT (	0.00, 576.50) DC	38.
33.81487	(87020209)	AT ( 238.80,	576.50) DC	
14.	47.48406	(87010409) AT (	-238.80, 576.50) DC	39.
33.40725c	(87111109)	AT ( -238.80,	576.50) DC	
15.	45.67373	(87010409) AT (	238.80, 576.50) DC	40.
33.38694	(87050909)	AT ( 238.80,	576.50) DC	
16.	45.34543	(87111409) AT (	-238.80, 576.50) DC	41.
33.30181	(87120209)	AT ( 238.80,	576.50) DC	
17.	41.70366	(87102809) AT (	-576.50, 238.80) DC	42.
32.73395	(87011209)	AT ( 576.50,	0.00) DC	



18.	41.02702	(87112909)	AT	(	-238.80,	-576.50)	DC	43.
32.58854	(87030109)	AT	(	-238.80,	-576.50)	DC		
19.	40.65336	(87102809)	AT	(	-238.80,	576.50)	DC	44.
32.49636	(87030809)	AT	(	-576.50,	0.00)	DC		
20.	39.73523	(87112909)	AT	(	0.00,	-576.50)	DC	45.
32.43956	(87030809)	AT	(	0.00,	576.50)	DC		
21.	39.41438	(87102809)	AT	(	-576.50,	576.50)	DC	46.
32.33232	(87080509)	AT	(	-238.80,	-576.50)	DC		
22.	38.31050	(87012909)	AT	(	238.80,	-576.50)	DC	47.
32.27460	(87050909)	AT	(	0.00,	576.50)	DC		
23.	38.29950	(87012909)	AT	(	0.00,	-576.50)	DC	48.
31.71805	(87011909)	AT	(	238.80,	576.50)	DC		
24.	36.80844	(87030509)	AT	(	576.50,	238.80)	DC	49.
31.71599c	(87120409)	AT	(	238.80,	-576.50)	DC		
25.	36.66323	(87112909)	AT	(	238.80,	-576.50)	DC	50.
31.68886	(87010209)	AT	(	-238.80,	576.50)	DC		

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

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 18

CONC

RURAL FLAT FLGPOL DFAULT

\*\*\* THE MAXIMUM 50 8-HR AVERAGE  
CONCENTRATION VALUES FOR SOURCE GROUP: NEF \*\*\*  
INCLUDING SOURCE(S): 1 ,

MICROGRAMS/M\*\*3 \*\* CONC OF OTHER IN \*\*

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK
CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE		
1.	44.13246	(87031908) AT (	238.80, 576.50) DC	26.
14.34878c	(87102808) AT (	-238.80, 576.50)	DC	
2.	44.13092	(87031908) AT (	0.00, 576.50) DC	27.
14.32908	(87111408) AT (	-238.80, 576.50)	DC	
3.	36.37629	(87031908) AT (	-238.80, 576.50) DC	28.
14.31432c	(87091908) AT (	576.50, -576.50)	DC	
4.	24.58310c	(87030808) AT (	-576.50, 576.50) DC	29.
14.18055	(87031116) AT (	576.50, -238.80)	DC	
5.	20.98728c	(87030808) AT (	-576.50, 238.80) DC	30.
14.03185c	(87030808) AT (	-576.50, 0.00)	DC	
6.	19.96607c	(87030808) AT (	-238.80, 576.50) DC	31.
13.97313	(87010816) AT (	-576.50, -238.80)	DC	
7.	19.34633	(87010108) AT (	-238.80, -576.50) DC	32.
13.85671c	(87080508) AT (	-238.80, -576.50)	DC	
8.	17.84555c	(87010408) AT (	0.00, 576.50) DC	33.
13.59257c	(87120408) AT (	238.80, -576.50)	DC	
9.	17.84212c	(87010408) AT (	-238.80, 576.50) DC	34.
13.56432	(87031908) AT (	576.50, 576.50)	DC	
10.	17.83378c	(87112908) AT (	0.00, -576.50) DC	35.
13.54185c	(87120408) AT (	0.00, -576.50)	DC	
11.	17.82804c	(87112908) AT (	238.80, -576.50) DC	36.
13.53800	(87022116) AT (	-576.50, 0.00)	DC	
12.	17.54479c	(87112908) AT (	-238.80, -576.50) DC	37.
13.26220	(87053016) AT (	-576.50, 238.80)	DC	
13.	16.96454c	(87010408) AT (	238.80, 576.50) DC	38.
13.09126c	(87030808) AT (	0.00, 576.50)	DC	
14.	16.82184	(87010108) AT (	0.00, -576.50) DC	39.
12.92565	(87020208) AT (	0.00, 576.50)	DC	
15.	16.41864c	(87012908) AT (	238.80, -576.50) DC	40.
12.88508	(87032616) AT (	-238.80, -576.50)	DC	
16.	16.41407c	(87012908) AT (	0.00, -576.50) DC	41.
12.83424c	(87111108) AT (	-238.80, 576.50)	DC	
17.	15.68850c	(87091908) AT (	238.80, -576.50) DC	42.
12.81141c	(87111108) AT (	0.00, 576.50)	DC	

18.	15.59362	(87031116)	AT (	576.50,	0.00)	DC	43.
12.75419	(87022116)	AT (	-576.50,	-238.80)	DC		
19.	15.43846	(87121608)	AT (	238.80,	-576.50)	DC	44.
12.69994c	(87112008)	AT (	576.50,	238.80)	DC		
20.	15.32257	(87121608)	AT (	0.00,	-576.50)	DC	45.
12.69989c	(87112008)	AT (	576.50,	0.00)	DC		
21.	15.21467	(87031116)	AT (	576.50,	238.80)	DC	46.
12.63888c	(87090208)	AT (	238.80,	-576.50)	DC		
22.	15.21192	(87111408)	AT (	0.00,	576.50)	DC	47.
12.63877c	(87090208)	AT (	0.00,	-576.50)	DC		
23.	15.21114	(87111408)	AT (	238.80,	576.50)	DC	48.
12.63701c	(87090208)	AT (	-238.80,	-576.50)	DC		
24.	14.69512	(87010816)	AT (	-576.50,	0.00)	DC	49.
12.58298	(87031916)	AT (	0.00,	576.50)	DC		
25.	14.42828	(87010816)	AT (	-576.50,	238.80)	DC	50.
12.49453	(87082816)	AT (	-576.50,	-238.80)	DC		

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

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 19

CONC

RURAL FLAT FLGPOL DFAULT

\*\*\* THE MAXIMUM 50 24-HR AVERAGE  
CONCENTRATION VALUES FOR SOURCE GROUP: NEF \*\*\*  
INCLUDING SOURCE(S): 1 ,

MICROGRAMS/M\*\*3 \*\* CONC OF OTHER IN \*\*

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK
CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE		
1.	19.27328	(87031924) AT (	0.00, 576.50) DC	26.
6.82089	(87011224) AT (	576.50, 238.80)	DC	
2.	18.87954	(87031924) AT (	238.80, 576.50) DC	27.
6.79004c	(87112024) AT (	576.50, 238.80)	DC	
3.	16.45327	(87031924) AT (	-238.80, 576.50) DC	28.
6.78919c	(87101824) AT (	-238.80, 576.50)	DC	
4.	10.12051c	(87010124) AT (	-238.80, -576.50) DC	29.
6.78444c	(87121624) AT (	238.80, -576.50)	DC	
5.	9.83053c	(87010424) AT (	0.00, 576.50) DC	30.
6.78100c	(87102824) AT (	0.00, 576.50)	DC	
6.	9.60712c	(87111124) AT (	0.00, 576.50) DC	31.
6.61781	(87010824) AT (	-576.50, 0.00)	DC	
7.	9.48739c	(87030824) AT (	-238.80, 576.50) DC	32.
6.49887	(87011224) AT (	576.50, 0.00)	DC	
8.	9.42858c	(87111124) AT (	-238.80, 576.50) DC	33.
6.46638c	(87101824) AT (	0.00, 576.50)	DC	
9.	9.39786c	(87010424) AT (	-238.80, 576.50) DC	34.
6.46214	(87021324) AT (	0.00, 576.50)	DC	
10.	9.25938c	(87030824) AT (	-576.50, 576.50) DC	35.
6.39645	(87010824) AT (	-576.50, -238.80)	DC	
11.	9.24825c	(87010424) AT (	238.80, 576.50) DC	36.
6.35117c	(87112024) AT (	576.50, 0.00)	DC	
12.	8.82998c	(87010124) AT (	0.00, -576.50) DC	37.
6.32834	(87053024) AT (	-576.50, 238.80)	DC	
13.	8.70634	(87111424) AT (	238.80, 576.50) DC	38.
6.32745c	(87110424) AT (	0.00, -576.50)	DC	
14.	8.59747	(87111424) AT (	0.00, 576.50) DC	39.
6.22986	(87120524) AT (	0.00, 576.50)	DC	
15.	8.36539c	(87012924) AT (	0.00, -576.50) DC	40.
6.22486	(87010824) AT (	-576.50, 238.80)	DC	
16.	8.36414c	(87012924) AT (	238.80, -576.50) DC	41.
6.22106c	(87110424) AT (	238.80, -576.50)	DC	
17.	8.28172c	(87031124) AT (	576.50, 0.00) DC	42.
6.21926	(87111324) AT (	238.80, 576.50)	DC	

18.	7.87428c(87031124)	AT (	576.50,	238.80)	DC	43.
6.15740c(87010124)	AT (	-576.50,	-576.50)	DC		
19.	7.86799c(87102824)	AT (	-238.80,	576.50)	DC	44.
6.12528c(87012924)	AT (	-238.80,	-576.50)	DC		
20.	7.81355c(87111124)	AT (	238.80,	576.50)	DC	45.
6.05668 (87010224)	AT (	238.80,	576.50)	DC		
21.	7.65917 (87111424)	AT (	-238.80,	576.50)	DC	46.
6.05109 (87120524)	AT (	238.80,	576.50)	DC		
22.	7.60534c(87031124)	AT (	576.50,	-238.80)	DC	47.
6.01416 (87021324)	AT (	-238.80,	576.50)	DC		
23.	7.36239c(87030824)	AT (	-576.50,	238.80)	DC	48.
5.96904 (87021324)	AT (	238.80,	576.50)	DC		
24.	7.13520c(87121624)	AT (	0.00,	-576.50)	DC	49.
5.88088 (87022124)	AT (	-576.50,	-238.80)	DC		
25.	7.11826c(87030824)	AT (	0.00,	576.50)	DC	50.
5.87180c(87112924)	AT (	-238.80,	-576.50)	DC		

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

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 20

CONC

RURAL FLAT FLGPOL DFAULT

\*\*\* THE SUMMARY OF MAXIMUM

ANNUAL ( 1 YRS) RESULTS \*\*\*

MICROGRAMS/M\*\*3

\*\* CONC OF OTHER IN  
\*\*

NETWORK

GROUP ID		AVERAGE CONC	RECEPTOR (XR,
YR, ZELEV, ZFLAG)	OF TYPE	GRID-ID	
NEF	1ST HIGHEST VALUE IS	1.53106 AT (	0.00, 576.50,
0.00,	0.00) DC NA		
	2ND HIGHEST VALUE IS	1.42476 AT (	-238.80, 576.50,
0.00,	0.00) DC NA		
	3RD HIGHEST VALUE IS	1.37391 AT (	238.80, 576.50,
0.00,	0.00) DC NA		
	4TH HIGHEST VALUE IS	0.75837 AT (	-576.50, 238.80,
0.00,	0.00) DC NA		
	5TH HIGHEST VALUE IS	0.74802 AT (	0.00, -576.50,
0.00,	0.00) DC NA		
	6TH HIGHEST VALUE IS	0.73031 AT (	-576.50, 0.00,
0.00,	0.00) DC NA		
	7TH HIGHEST VALUE IS	0.67972 AT (	-238.80, -576.50,
0.00,	0.00) DC NA		
	8TH HIGHEST VALUE IS	0.66998 AT (	238.80, -576.50,
0.00,	0.00) DC NA		
	9TH HIGHEST VALUE IS	0.65620 AT (	576.50, 238.80,
0.00,	0.00) DC NA		
	10TH HIGHEST VALUE IS	0.63120 AT (	576.50, 0.00,
0.00,	0.00) DC NA		

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

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 21

CONC RURAL FLAT FLGPOL DFAULT

\*\*\* THE SUMMARY OF HIGHEST

1-HR RESULTS \*\*\*

MICROGRAMS/M\*\*3 \*\* CONC OF OTHER IN \*\*

DATE

NETWORK  
GROUP ID AVERAGE CONC (YYMMDDHH)  
RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID

-----

NEF	HIGH	1ST HIGH VALUE IS	331.81244	ON 87031907: AT (
238.80,	576.50,	0.00,	0.00)	DC NA
	HIGH	2ND HIGH VALUE IS	77.58331	ON 87102807: AT (
238.80,	576.50,	0.00,	0.00)	DC NA

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

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 22

CONC RURAL FLAT FLGPOL DFAULT

\*\*\* THE SUMMARY OF HIGHEST

3-HR RESULTS \*\*\*

MICROGRAMS/M\*\*3 \*\* CONC OF OTHER IN \*\*

DATE

NETWORK  
GROUP ID AVERAGE CONC (YYMMDDHH)  
RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID

-----  
-----

NEF HIGH 1ST HIGH VALUE IS 124.78831 ON 87031909: AT (  
0.00, 576.50, 0.00, 0.00) DC NA  
HIGH 2ND HIGH VALUE IS 53.41897 ON 87121609: AT (  
0.00, -576.50, 0.00, 0.00) DC NA

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



\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 23

CONC RURAL FLAT FLGPOL DFAULT

\*\*\* THE SUMMARY OF HIGHEST

8-HR RESULTS \*\*\*

MICROGRAMS/M\*\*3

\*\* CONC OF OTHER IN  
\*\*

DATE

NETWORK  
GROUP ID AVERAGE CONC (YYMMDDHH)  
RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID  
-----  
-----

NEF HIGH 1ST HIGH VALUE IS 44.13246 ON 87031908: AT (  
238.80, 576.50, 0.00, 0.00) DC NA  
HIGH 2ND HIGH VALUE IS 19.96607c ON 87030808: AT (-  
238.80, 576.50, 0.00, 0.00) DC NA

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

\*\*\* ISCST3 - VERSION 00101 \*\*\*  
SOURCE

\*\*\* NATIONAL ENRICHMENT FACILITY AREA  
\*\*\* 06/14/06  
\*\*\*

\*\*\* 07:26:59

\*\*MODELOPTs:

PAGE 24

CONC RURAL FLAT FLGPOL DFAULT

\*\*\* THE SUMMARY OF HIGHEST

24-HR RESULTS \*\*\*

MICROGRAMS/M\*\*3

\*\* CONC OF OTHER IN  
\*\*

DATE

NETWORK  
GROUP ID AVERAGE CONC (YYMMDDHH)  
RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID

-----  
-----

NEF HIGH 1ST HIGH VALUE IS 19.27328 ON 87031924: AT (  
0.00, 576.50, 0.00, 0.00) DC NA  
HIGH 2ND HIGH VALUE IS 9.83053c ON 87010424: AT (  
0.00, 576.50, 0.00, 0.00) DC NA

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



RE W229 43 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART  
RE W229 44 DISCAR:Too Many Parameters - Inputs Ignored on Keyword  
DISCCART

\*\*\*\*\*  
\*\*\* ISCST3 Finishes Successfully \*\*\*  
\*\*\*\*\*