

**Appendix 4-4**  
**Typical ISCST3 modelling result file**



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RE STARTING METERS 819671.3 6.5 1.5
RE DISCONT 845063.2 819671.3 6.5 3
RE DISCONT 845063.2 819671.3 6.5 3
RE DISCONT 845063.2 819671.3 6.5 3
RE DISCONT 845063.2 819671.3 6.5 3
RE DISCONT 845063.2 819671.3 6.5 10
RE DISCONT 845063.2 819671.3 6.5 15
RE DISCONT 845063.2 819671.3 6.5 20
RE DISCONT 845076.0 819625.6 6.5 1.5
RE DISCONT 845076.0 819625.6 6.5 3
RE DISCONT 845076.0 819625.6 6.5 5
RE DISCONT 845076.0 819625.6 6.5 10
RE DISCONT 845076.0 819625.6 6.5 15
RE DISCONT 845076.0 819625.6 6.5 20
RE DISCONT 845162.4 819546.8 6.8 1.5
RE DISCONT 845162.4 819546.8 6.8 3
RE DISCONT 845162.4 819546.8 6.8 5
RE DISCONT 845162.4 819546.8 6.8 10
RE DISCONT 845162.4 819546.8 6.8 15
RE DISCONT 845220.8 819437.4 6.1 1.5
RE DISCONT 845220.8 819437.4 6.1 3
RE DISCONT 845220.8 819437.4 6.1 5
RE DISCONT 845220.8 819437.4 6.1 10
RE DISCONT 845220.8 819437.4 6.1 15
RE DISCONT 845220.8 819437.4 6.1 20
RE DISCONT 845452.1 819397.5 6.2 1.5
RE DISCONT 845452.1 819397.5 6.2 3
RE DISCONT 845452.1 819397.5 6.2 5
RE DISCONT 845452.1 819397.5 6.2 10
RE DISCONT 845452.1 819397.5 6.2 15
RE DISCONT 845452.1 819397.5 6.2 20
RE DISCONT 845510.6 818838.4 17.5 1.5
RE DISCONT 845510.6 818838.4 17.5 3
RE DISCONT 845510.6 818838.4 17.5 5
RE DISCONT 845510.6 818838.4 17.5 10
RE DISCONT 845510.6 818838.4 17.5 15
RE DISCONT 845510.6 818838.4 17.5 20
RE DISCONT 845623.3 81706.6 17.5 1.5
RE DISCONT 845623.3 81706.6 17.5 3
RE DISCONT 845623.3 81706.6 17.5 5
RE DISCONT 845623.3 81706.6 17.5 10
RE DISCONT 845623.3 81706.6 17.5 15
RE DISCONT 845623.3 81706.6 17.5 20
RE DISCONT 846260.0 816866.2 5.5 1.5
RE DISCONT 846260.0 816866.2 5.5 3
RE DISCONT 846260.0 816866.2 5.5 5
RE DISCONT 846260.0 816866.2 5.5 10
RE DISCONT 846260.0 816866.2 5.5 15
RE DISCONT 846260.0 816866.2 5.5 20
RE DISCONT 846321.1 815898.2 5.8 1.5
RE DISCONT 846321.1 815898.2 5.8 3
RE DISCONT 846321.1 815898.2 5.8 5
RE DISCONT 846321.1 815898.2 5.8 10
RE DISCONT 846321.1 815898.2 5.8 15
RE DISCONT 846321.1 815898.2 5.8 20
RE DISCONT 846291.9 815812.2 5.5 1.5
RE DISCONT 846291.9 815812.2 5.5 3
RE DISCONT 846291.9 815812.2 5.5 5
RE DISCONT 846291.9 815812.2 5.5 10
RE DISCONT 846291.9 815812.2 5.5 15
RE DISCONT 846291.9 815812.2 5.5 20
RE DISCONT 846230.0 815493.0 5.5 1.5
RE DISCONT 846230.0 815493.0 5.5 3
RE DISCONT 846230.0 815493.0 5.5 5
RE DISCONT 846230.0 815493.0 5.5 10
RE DISCONT 846230.0 815493.0 5.5 15
RE DISCONT 846230.0 815493.0 5.5 20
RE DISCONT 845642.4 816697.2 17.9 1.5
RE DISCONT 845642.4 816697.2 17.9 3
RE DISCONT 845642.4 816697.2 17.9 5
RE DISCONT 845642.4 816697.2 17.9 10
RE DISCONT 845642.4 816697.2 17.9 15
RE DISCONT 845642.4 816697.2 17.9 20
RE DISCONT 846301.5 817660.8 5.5 1.5
RE DISCONT 846301.5 817660.8 5.5 3
RE DISCONT 846301.5 817660.8 5.5 5
RE DISCONT 846301.5 817660.8 5.5 10

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RE DISCONT 846301.5 817660.8 5.5 15
RE DISCONT 846301.5 817660.8 5.5 20
RE DISCONT 846100.2 817568.2 6.5 1.5
RE DISCONT 846100.2 817568.2 6.5 3
RE DISCONT 846100.2 817568.2 6.5 5
RE DISCONT 846100.2 817568.2 6.5 10
RE DISCONT 846100.2 817568.2 6.5 15
RE DISCONT 846100.2 817568.2 6.5 20
RE DISCONT 846181.6 817238.1 6 1.5
RE DISCONT 846181.6 817238.1 6 3
RE DISCONT 846181.6 817238.1 6 5
RE DISCONT 846181.6 817238.1 6 10
RE DISCONT 846181.6 817238.1 6 15
RE DISCONT 846181.6 817238.1 6 20
RE FINISHED

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ME STARTING C:\TK0137\ISCVST\JKG2000.BIN UNFORM
ME INPUTFIL ME ANEMHGT 51.6 METERS
ME SUREDATA 92001 2000
ME UNIRDATA 111 2000
ME STARTEND 00 01 01 1 00 12 31 24
ME FINISHED

OU STARTING
OU RECTABLE 1 FIRST
OU RECTABLE ALLAVE FIRST
OU FINISHED

*** Message Summary For ISC3 Model Setup ***
----- Summary of Total Messages -----
A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
CO W205 11 FLAGDF:NO Option Parameter Setting. Forced by Default to ZFLAG=0.

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

*** ISCVST3 - VERSION 96113 *** ** TKO Area 137
04/16/02 *** NO2_Hourly

**MODELOFTs: CONC URBAN ELEV FLGPOL GRDRIS NOCALM
----- **
**Intermediate Terrain Processing is Selected
**Model Is Setup For Calculation of Average Concentration Values.
-- SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION, DPLRTE = F
**Model Uses NO WET DEPLETION, WPLRTE = F
**NO WET SCAVENGING Data Provided.
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations
**Model Uses URBAN Dispersion.

**Model Uses User-Specified Options:
1. Gradual Plume Rise.
2. Stack-tip Downwash.
3. Buoyancy-induced Dispersion.
4. Not Use Churns Processing Routine.
5. Not Use Missing Data Processing Routine.
6. Default Wind Profile Exponents.
7. Default Vertical Potential Temperature Gradients.

**Model Accepts Receptors on ELEV Terrain.
**Model Accepts FLAGPOLB Receptor Heights.

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\*\*MODELOPTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM  
\* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY \*

Table with columns: HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR. Contains data for various source IDs and emission rates.

Table with columns: SOURCE ID, PL\_EP7, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 1 and emission rates.

Table with columns: SOURCE ID, PL\_EP8, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 7 and emission rates.

Table with columns: SOURCE ID, PL\_EP9, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 13 and emission rates.

Table with columns: SOURCE ID, PL\_EP10, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 19 and emission rates.

Table with columns: SOURCE ID, PL\_EP11, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 7 and emission rates.

Table with columns: SOURCE ID, PL\_EP12, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 13 and emission rates.

Table with columns: SOURCE ID, PL\_EP13, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 19 and emission rates.

Table with columns: SOURCE ID, PL\_EP14, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 7 and emission rates.

\*\*\* ISCT3 - VERSION 96113 \*\*\* \*\* TKO Area 137 \*\*\* 21:28:37  
04/16/02 \*\*\* NO2\_Hourly \*\*\* PAGE 5

\*\*MODELOPTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM  
\* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY \*

\*\*MODELOPTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM  
\* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY \*

Table with columns: HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR. Contains data for various source IDs and emission rates.

Table with columns: SOURCE ID, PL\_EP7, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 1 and emission rates.

Table with columns: SOURCE ID, PL\_EP8, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 7 and emission rates.

Table with columns: SOURCE ID, PL\_EP9, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 13 and emission rates.

Table with columns: SOURCE ID, PL\_EP10, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 19 and emission rates.

Table with columns: SOURCE ID, PL\_EP11, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 7 and emission rates.

Table with columns: SOURCE ID, PL\_EP12, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 13 and emission rates.

Table with columns: SOURCE ID, PL\_EP13, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 19 and emission rates.

Table with columns: SOURCE ID, PL\_EP14, SOURCE TYPE = POINT, SCALAR. Contains data for source ID 7 and emission rates.

\*\*\* ISCT3 - VERSION 96113 \*\*\* \*\* TKO Area 137 \*\*\* 21:28:37  
04/16/02 \*\*\* NO2\_Hourly \*\*\* PAGE 5

\*\*MODELOPTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM  
\* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY \*





\*\*\* ISCT3 - VERSION 96113 \*\*\* \*\* TKO Area 137  
04/16/02 \*\*\* NO2\_Hourly \*\*\*

\*\*\* WIND PROFILE EXPONENTS \*\*\*  
1.54, 3.09, 5.14, 8.23, 10.80,

\*\*\* VERTICAL POTENTIAL TEMPERATURE GRADIENTS \*\*\*  
(DEGREES KELVIN PER METER)

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, Z-LEVEL, ZFLAG)  
(METERS)

\*\*\* METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 0 1 1 1  
ISCST-NO2\_Hourly

\*\*\* THE FIRST 24 HOURS OF METEOROLOGICAL DATA \*\*\*  
FILE: C:\VOL137\ISCT3\JRE2000.BIN  
SURFACE STATION NO.: 92001  
NAME: UNKNOWN  
YEAR: 2000

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

YEAR	MONTH	DAY	HOUR	VECTOR (M/S)	(K)	CLASS	RURAL	URBAN	MIXING HEIGHT (M)	USTAR (M/S)	M-O LENGTH (M)	Z-O	I-PCODE
0	1	1	1	201.0	1.00	289.8	7	988.5	168.0	.0000	.0	.0000	0
0	1	1	2	178.0	1.54	289.8	7	1000.1	168.0	.0000	.0	.0000	0
0	1	1	3	184.0	2.06	289.8	6	1011.7	168.0	.0000	.0	.0000	0
0	1	1	4	163.0	1.00	289.8	7	1023.2	168.0	.0000	.0	.0000	0
0	1	1	5	193.0	1.00	289.8	7	1034.8	168.0	.0000	.0	.0000	0
0	1	1	6	152.0	1.00	289.3	7	1046.4	168.0	.0000	.0	.0000	0
0	1	1	7	285.0	1.00	289.3	7	1058.0	168.0	.0000	.0	.0000	0
0	1	1	8	263.0	1.00	289.8	7	1069.5	168.0	.0000	.0	.0000	0
0	1	1	9	177.0	1.03	291.5	6	181.8	323.0	.0000	.0	.0000	0
0	1	1	10	231.0	2.06	293.2	5	373.3	486.2	.0000	.0	.0000	0
0	1	1	11	264.0	2.57	294.3	4	564.7	649.4	.0000	.0	.0000	0
0	1	1	12	236.0	2.57	294.8	3	756.1	812.6	.0000	.0	.0000	0

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0.00 0 1 1 13 13.0 3.60 294.8 3 947.6 975.8 .0000 0 .0000 0 18.62461 ( 60421) 845452.10 819397.50 845452.10 819397.50 18.69884 (
0.00 0 1 1 14 359.0 2.06 293.2 3 1139.0 1139.0 .0000 0 .0000 0 18.82219 ( 60421) 845452.10 819397.50 845452.10 819397.50 18.99417 (
0.00 0 1 1 15 12.0 2.06 292.6 3 1139.0 1139.0 .0000 0 .0000 0 22.45002 ( 60421) 845510.60 818838.40 845510.60 818838.40 22.45993 (
0.00 0 1 1 16 44.0 1.00 292.0 3 1139.0 1139.0 .0000 0 .0000 0 22.48341 ( 60421) 845510.60 818838.40 845510.60 818838.40 22.59335 (
0.00 0 1 1 17 21.0 1.00 290.9 3 1139.0 1139.0 .0000 0 .0000 0 22.77605 ( 60421) 845510.60 818838.40 845510.60 818838.40 23.03071 (
0.00 0 1 1 18 147.0 1.00 290.9 4 1156.5 1156.5 .0000 0 .0000 0 21.14146 ( 60421) 845562.30 818706.60 845562.30 818706.60 21.11791 (
0.00 0 1 1 19 174.0 1.00 290.4 5 1183.5 898.3 .0000 0 .0000 0 21.43484 ( 60421) 845562.30 818706.60 845562.30 818706.60 21.22996 (
0.00 0 1 1 20 177.0 1.00 290.4 6 1210.4 752.2 .0000 0 .0000 0 6.99007 ( 70710) 846260.00 816866.20 846260.00 816866.20 6.99012 (
0.00 0 1 1 21 180.0 1.00 290.4 7 1237.4 606.2 .0000 0 .0000 0 6.99024 ( 70710) 846260.00 816866.20 846260.00 816866.20 6.99081 (
0.00 0 1 1 22 172.0 1.03 290.4 7 1264.4 460.1 .0000 0 .0000 0 7.07641 ( 61021) 846260.00 816866.20 846260.00 816866.20 7.58300 (
0.00 0 1 1 23 180.0 1.00 290.4 7 1291.4 314.1 .0000 0 .0000 0 12.42917 ( 60411) 846321.10 815898.20 846321.10 815898.20 12.43700 (
0.00 0 1 1 24 150.0 1.00 289.8 7 1318.3 168.0 .0000 0 .0000 0 12.45557 ( 60411) 846321.10 815898.20 846321.10 815898.20 12.54245 (

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*** 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 96113 *** ** TKO Area 137
*** NO2_Hourly *** ** TKO Area 137
**MODELOPTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM
INCLUDING SOURCE(S): PL_EP7 , PL_EP8 , PL_EP9 , PL_EP13 , PL_EP14 , CHIMNEY1,
CHIMNEY2,
F25 , HABCO , F19A , F19B , F19C , F20A , F20B , F20C , F20D , F21A , F23A , F23B ,
F25 , F26A , F26B , F26C , F27 , F28 , F29A , F29B , F29C , F30A , F30B ,
*** DISCRETE CARTESIAN RECEPTOR POINTS ***
** CONC OF NO2 IN MICROGRAMS/M**3
X-COORD (M) Y-COORD (M) X-COORD (M) Y-COORD (M) CONC
(YMMDDHH)
60421) 845063.20 819671.30 18.01164 ( 60421) 845063.20 819671.30 18.01753 (
60421) 845063.20 819671.30 18.03145 ( 60421) 845063.20 819671.30 18.09662 (
60421) 845063.20 819671.30 18.20494 ( 60421) 845063.20 819671.30 18.35592 (
60421) 845076.00 819625.60 18.07039 ( 60421) 845076.00 819625.60 18.07644 (
60421) 845076.00 819625.60 18.09080 ( 60421) 845076.00 819625.60 18.15800 (
60421) 845076.00 819625.60 18.26966 ( 60421) 845076.00 819625.60 18.42532 (
60421) 845162.40 819546.80 20.32882 ( 60421) 845162.40 819546.80 20.33592 (
60421) 845162.40 819546.80 20.35276 ( 60421) 845162.40 819546.80 20.43156 (
60421) 845162.40 819546.80 20.56251 ( 60421) 845162.40 819546.80 20.74507 (
60421) 845220.80 819437.40 20.78853 ( 60421) 845220.80 819437.40 20.79635 (
60421) 845220.80 819437.40 20.81488 ( 60421) 845220.80 819437.40 20.90163 (
60421) 845220.80 819437.40 21.04592 ( 60421) 845220.80 819437.40 21.24693 (
60421) 845294.00 819402.10 22.00899 ( 60421) 845294.00 819402.10 22.01714 (
60421) 845294.00 819402.10 22.03645 ( 60421) 845294.00 819402.10 22.12686 (
60421) 845294.00 819402.10 22.27710 ( 60421) 845294.00 819402.10 22.48654 (
60421) 845452.10 819397.50 18.60207 ( 60421) 845452.10 819397.50 18.60876 (

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*** ISCST3 - VERSION 96113 *** ** TKO Area 137
*** NO2_Hourly *** ** TKO Area 137
**MODELOPTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM
INCLUDING SOURCE(S): PL_EP7 , PL_EP8 , PL_EP9 , PL_EP13 , PL_EP14 , CHIMNEY1,
CHIMNEY2,
F25 , HABCO , F19A , F19B , F19C , F20A , F20B , F20C , F20D , F21A , F23A , F23B ,
F25 , F26A , F26B , F26C , F27 , F28 , F29A , F29B , F29C , F30A , F30B ,
*** DISCRETE CARTESIAN RECEPTOR POINTS ***
** CONC OF NO2 IN MICROGRAMS/M**3
X-COORD (M) Y-COORD (M) X-COORD (M) Y-COORD (M) CONC
(YMMDDHH)
60421) 845063.20 819671.30 18.01164 ( 60421) 845063.20 819671.30 18.01753 (
60421) 845063.20 819671.30 18.03145 ( 60421) 845063.20 819671.30 18.09662 (
60421) 845063.20 819671.30 18.20494 ( 60421) 845063.20 819671.30 18.35592 (
60421) 845076.00 819625.60 18.07039 ( 60421) 845076.00 819625.60 18.07644 (
60421) 845076.00 819625.60 18.09080 ( 60421) 845076.00 819625.60 18.15800 (
60421) 845076.00 819625.60 18.26966 ( 60421) 845076.00 819625.60 18.42532 (
60421) 845162.40 819546.80 20.32882 ( 60421) 845162.40 819546.80 20.33592 (
60421) 845162.40 819546.80 20.35276 ( 60421) 845162.40 819546.80 20.43156 (
60421) 845162.40 819546.80 20.56251 ( 60421) 845162.40 819546.80 20.74507 (
60421) 845220.80 819437.40 20.78853 ( 60421) 845220.80 819437.40 20.79635 (
60421) 845220.80 819437.40 20.81488 ( 60421) 845220.80 819437.40 20.90163 (
60421) 845220.80 819437.40 21.04592 ( 60421) 845220.80 819437.40 21.24693 (
60421) 845294.00 819402.10 22.00899 ( 60421) 845294.00 819402.10 22.01714 (
60421) 845294.00 819402.10 22.03645 ( 60421) 845294.00 819402.10 22.12686 (
60421) 845294.00 819402.10 22.27710 ( 60421) 845294.00 819402.10 22.48654 (
60421) 845452.10 819397.50 18.60207 ( 60421) 845452.10 819397.50 18.60876 (

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*** ISCST3 - VERSION 96113 *** ** TKO Area 137
*** NO2_Hourly *** ** TKO Area 137
**MODELOPTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM
INCLUDING SOURCE(S): PL_EP7 , PL_EP8 , PL_EP9 , PL_EP13 , PL_EP14 , CHIMNEY1,
CHIMNEY2,
F25 , HABCO , F19A , F19B , F19C , F20A , F20B , F20C , F20D , F21A , F23A , F23B ,
F25 , F26A , F26B , F26C , F27 , F28 , F29A , F29B , F29C , F30A , F30B ,
*** DISCRETE CARTESIAN RECEPTOR POINTS ***
** CONC OF NO2 IN MICROGRAMS/M**3
X-COORD (M) Y-COORD (M) X-COORD (M) Y-COORD (M) CONC
(YMMDDHH)
60421) 845063.20 819671.30 18.01164 ( 60421) 845063.20 819671.30 18.01753 (
60421) 845063.20 819671.30 18.03145 ( 60421) 845063.20 819671.30 18.09662 (
60421) 845063.20 819671.30 18.20494 ( 60421) 845063.20 819671.30 18.35592 (
60421) 845076.00 819625.60 18.07039 ( 60421) 845076.00 819625.60 18.07644 (
60421) 845076.00 819625.60 18.09080 ( 60421) 845076.00 819625.60 18.15800 (
60421) 845076.00 819625.60 18.26966 ( 60421) 845076.00 819625.60 18.42532 (
60421) 845162.40 819546.80 20.32882 ( 60421) 845162.40 819546.80 20.33592 (
60421) 845162.40 819546.80 20.35276 ( 60421) 845162.40 819546.80 20.43156 (
60421) 845162.40 819546.80 20.56251 ( 60421) 845162.40 819546.80 20.74507 (
60421) 845220.80 819437.40 20.78853 ( 60421) 845220.80 819437.40 20.79635 (
60421) 845220.80 819437.40 20.81488 ( 60421) 845220.80 819437.40 20.90163 (
60421) 845220.80 819437.40 21.04592 ( 60421) 845220.80 819437.40 21.24693 (
60421) 845294.00 819402.10 22.00899 ( 60421) 845294.00 819402.10 22.01714 (
60421) 845294.00 819402.10 22.03645 ( 60421) 845294.00 819402.10 22.12686 (
60421) 845294.00 819402.10 22.27710 ( 60421) 845294.00 819402.10 22.48654 (
60421) 845452.10 819397.50 18.60207 ( 60421) 845452.10 819397.50 18.60876 (

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*** ISCST3 - VERSION 96113 *** ** TKO Area 137
*** NO2_Hourly *** ** TKO Area 137
**MODELOPTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM
INCLUDING SOURCE(S): PL_EP7 , PL_EP8 , PL_EP9 , PL_EP13 , PL_EP14 , CHIMNEY1,
CHIMNEY2,
F25 , HABCO , F19A , F19B , F19C , F20A , F20B , F20C , F20D , F21A , F23A , F23B ,
F25 , F26A , F26B , F26C , F27 , F28 , F29A , F29B , F29C , F30A , F30B ,
*** DISCRETE CARTESIAN RECEPTOR POINTS ***
** CONC OF NO2 IN MICROGRAMS/M**3
X-COORD (M) Y-COORD (M) X-COORD (M) Y-COORD (M) CONC
(YMMDDHH)
60421) 845063.20 819671.30 18.01164 ( 60421) 845063.20 819671.30 18.01753 (
60421) 845063.20 819671.30 18.03145 ( 60421) 845063.20 819671.30 18.09662 (
60421) 845063.20 819671.30 18.20494 ( 60421) 845063.20 819671.30 18.35592 (
60421) 845076.00 819625.60 18.07039 ( 60421) 845076.00 819625.60 18.07644 (
60421) 845076.00 819625.60 18.09080 ( 60421) 845076.00 819625.60 18.15800 (
60421) 845076.00 819625.60 18.26966 ( 60421) 845076.00 819625.60 18.42532 (
60421) 845162.40 819546.80 20.32882 ( 60421) 845162.40 819546.80 20.33592 (
60421) 845162.40 819546.80 20.35276 ( 60421) 845162.40 819546.80 20.43156 (
60421) 845162.40 819546.80 20.56251 ( 60421) 845162.40 819546.80 20.74507 (
60421) 845220.80 819437.40 20.78853 ( 60421) 845220.80 819437.40 20.79635 (
60421) 845220.80 819437.40 20.81488 ( 60421) 845220.80 819437.40 20.90163 (
60421) 845220.80 819437.40 21.04592 ( 60421) 845220.80 819437.40 21.24693 (
60421) 845294.00 819402.10 22.00899 ( 60421) 845294.00 819402.10 22.01714 (
60421) 845294.00 819402.10 22.03645 ( 60421) 845294.00 819402.10 22.12686 (
60421) 845294.00 819402.10 22.27710 ( 60421) 845294.00 819402.10 22.48654 (
60421) 845452.10 819397.50 18.60207 ( 60421) 845452.10 819397.50 18.60876 (

```



846181.60 817238.10 14.84422 ( 61021) 846181.60 817238.10 15.59872 ( 61021)  
 \*\*\* ISCST3 - VERSION 96113 \*\*\* \*\*\* TKO Area 137 \*\*\*  
 04/16/02 \*\*\* NO2\_Hourly \*\*\* 21:28:37  
 URBAN ELEV FLGPOL GRDRIS NOCALM PAGE 16  
 \*\*MODELOPTS: CONC

\*\*\* THE SUMMARY OF HIGHEST 1-HR RESULTS \*\*\*  
 \*\* CONC OF NO2 IN MICROGRAMS/M\*\*3 \*\*

GROUP ID	GRID-ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZBLV, ZFLAG)	NETWORK OF TYPE
ALL	HIGH	1ST HIGH VALUE IS	38.18173	ON 120420: AT ( 846100.20, 817568.20,	6.50, 20.00) DC
					NA

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

\*\*\* ISCST3 - VERSION 96113 \*\*\* \*\*\* TKO Area 137 \*\*\*  
 04/16/02 \*\*\* NO2\_Hourly \*\*\* 21:28:37  
 \*\*MODELOPTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM PAGE 17

\*\*\* Message Summary : ISCST3 Model Execution \*\*\*  
 ----- Summary of Total Messages -----  
 A Total of 0 Fatal Error Message(s)  
 A Total of 1 Warning Message(s)  
 A Total of 596 Informational Message(s)  
 A Total of 596 Calm Hours Identified

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
 CO WZ05 11 FLAGD:No Option Parameter Setting. Forced by Default to ZFLAG=0.  
 \*\*\*\*\*  
 \*\*\* ISCST3 Finishes Successfully \*\*\*  
 \*\*\*\*\*



```

RE DISCCART 846301.5 817660.8 5.5 15
RE DISCCART 846301.5 817660.8 5.5 20
RE DISCCART 846100.2 817568.2 6.5 1.5
RE DISCCART 846100.2 817568.2 6.5 3
RE DISCCART 846100.2 817568.2 6.5 5
RE DISCCART 846100.2 817568.2 6.5 10
RE DISCCART 846100.2 817568.2 6.5 15
RE DISCCART 846100.2 817568.2 6.5 20
RE DISCCART 846181.6 817238.1 6 1.5
RE DISCCART 846181.6 817238.1 6 3
RE DISCCART 846181.6 817238.1 6 5
RE DISCCART 846181.6 817238.1 6 10
RE DISCCART 846181.6 817238.1 6 15
RE DISCCART 846181.6 817238.1 6 20
RE FINISHED

ME STARTING
ME INPUTFILE C:\TK0137\ISCS7\JK82000.BIN UNIFORM
ME ANEMHIGHT 51.6 METERS
ME SURFDATA 92001 2000
ME UAIRDATA 111 2000
ME STARTEND 00 01 01 1 00 12 31 24
ME FINISHED

OU STARTING
OU RECTABLE ALLAVE FIRST
OU FINISHED

*** Message Summary For ISCS Model Setup ***
----- Summary of Total Messages -----
A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
CO W205 11 FLMGDF:nc Option Parameter Setting. Forced by Default to ZFLAG=0.

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

*** ISCS73 - VERSION 96113 *** *** TK0 Area 137
04/16/02 *** NOZ_Daily

**MODELOFTs: CONC URBAN ELEV FLGPOL GRDRIS NOCALM
-----
**Intermediate Terrain Processing is Selected
**Model Is Setup For Calculation of Average Concentration Values.

-- SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION. DPLETE = F
**Model Uses NO WET DEPLETION. WDPLETE = F
**NO WET SCAVENGING Data Provided
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations
**Model Uses URBAN Dispersion.

**Model Uses User-Specified Options:
1. Gradual Plume Rise.
2. Stack-tip Downwash.
3. Buoyancy-Induced Dispersion.
4. Not Use Calms Processing Routine.
5. Not Use Missing Data Processing Routine.
6. Default Wind Profile Exponents.
7. Default Vertical Potential Temperature Gradients.

**Model Accepts Receptors on ELEV Terrain.
**Model Accepts FLAGPOLE Receptor Heights.

```

```

RE STARTING METERS
RE DISCCART 845063.2 819671.3 6.5 1.5
RE DISCCART 845063.2 819671.3 6.5 3
RE DISCCART 845063.2 819671.3 6.5 5
RE DISCCART 845063.2 819671.3 6.5 10
RE DISCCART 845063.2 819671.3 6.5 15
RE DISCCART 845063.2 819671.3 6.5 20
RE DISCCART 845076.0 819625.6 6.5 1.5
RE DISCCART 845076.0 819625.6 6.5 3
RE DISCCART 845076.0 819625.6 6.5 5
RE DISCCART 845076.0 819625.6 6.5 10
RE DISCCART 845076.0 819625.6 6.5 15
RE DISCCART 845076.0 819625.6 6.5 20
RE DISCCART 845162.4 819546.8 6.8 1.5
RE DISCCART 845162.4 819546.8 6.8 3
RE DISCCART 845162.4 819546.8 6.8 5
RE DISCCART 845162.4 819546.8 6.8 10
RE DISCCART 845162.4 819546.8 6.8 15
RE DISCCART 845162.4 819546.8 6.8 20
RE DISCCART 845220.8 819437.4 6 1.5
RE DISCCART 845220.8 819437.4 6 3
RE DISCCART 845220.8 819437.4 6 5
RE DISCCART 845220.8 819437.4 6 10
RE DISCCART 845220.8 819437.4 6 15
RE DISCCART 845220.8 819437.4 6 20
RE DISCCART 845294.0 819402.1 8.1 1.5
RE DISCCART 845294.0 819402.1 8.1 3
RE DISCCART 845294.0 819402.1 8.1 5
RE DISCCART 845294.0 819402.1 8.1 10
RE DISCCART 845294.0 819402.1 8.1 15
RE DISCCART 845452.1 819397.5 6.2 1.5
RE DISCCART 845452.1 819397.5 6.2 3
RE DISCCART 845452.1 819397.5 6.2 5
RE DISCCART 845452.1 819397.5 6.2 10
RE DISCCART 845452.1 819397.5 6.2 15
RE DISCCART 845452.1 819397.5 6.2 20
RE DISCCART 845510.6 818938.4 17.5 1.5
RE DISCCART 845510.6 818938.4 17.5 3
RE DISCCART 845510.6 818938.4 17.5 5
RE DISCCART 845510.6 818938.4 17.5 10
RE DISCCART 845510.6 818938.4 17.5 15
RE DISCCART 845510.6 818938.4 17.5 20
RE DISCCART 845562.3 818706.6 17.5 1.5
RE DISCCART 845562.3 818706.6 17.5 3
RE DISCCART 845562.3 818706.6 17.5 5
RE DISCCART 845562.3 818706.6 17.5 10
RE DISCCART 845562.3 818706.6 17.5 15
RE DISCCART 845562.3 818706.6 17.5 20
RE DISCCART 846260.0 816866.2 5.5 1.5
RE DISCCART 846260.0 816866.2 5.5 5
RE DISCCART 846260.0 816866.2 5.5 10
RE DISCCART 846260.0 816866.2 5.5 15
RE DISCCART 846260.0 816866.2 5.5 20
RE DISCCART 846321.1 815998.2 5.8 1.5
RE DISCCART 846321.1 815998.2 5.8 3
RE DISCCART 846321.1 815998.2 5.8 5
RE DISCCART 846321.1 815998.2 5.8 10
RE DISCCART 846321.1 815998.2 5.8 15
RE DISCCART 846321.1 815998.2 5.8 20
RE DISCCART 846291.9 815812.2 5.5 1.5
RE DISCCART 846291.9 815812.2 5.5 5
RE DISCCART 846291.9 815812.2 5.5 10
RE DISCCART 846291.9 815812.2 5.5 15
RE DISCCART 846291.9 815812.2 5.5 20
RE DISCCART 846230.0 815493.0 5.5 1.5
RE DISCCART 846230.0 815493.0 5.5 5
RE DISCCART 846230.0 815493.0 5.5 10
RE DISCCART 846230.0 815493.0 5.5 15
RE DISCCART 846230.0 815493.0 5.5 20
RE DISCCART 845642.4 818697.2 17.9 1.5
RE DISCCART 845642.4 818697.2 17.9 3
RE DISCCART 845642.4 818697.2 17.9 5
RE DISCCART 845642.4 818697.2 17.9 10
RE DISCCART 845642.4 818697.2 17.9 15
RE DISCCART 845642.4 818697.2 17.9 20
RE DISCCART 846301.5 817660.8 5.5 1.5
RE DISCCART 846301.5 817660.8 5.5 3
RE DISCCART 846301.5 817660.8 5.5 5
RE DISCCART 846301.5 817660.8 5.5 10

```

F29A , F29B , F29C , F30A , F30B ,  
 \*\*\* ISCST3 - VERSION 96113 \*\*\* \*\* TKO Area 137  
 04/16/02  
 \*\*\* NO2\_Daily  
 \*\*\* 21:52:54  
 PAGE 4

\*\*MODELOFTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM  
 \* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY \*

GROUP ID	PL_EF7	PL_EF8	PL_EF9	PL_EF10	PL_EF11	PL_EF12	PL_EF13	PL_EF14	PL_EF15	PL_EF16	PL_EF17	PL_EF18	PL_EF19	PL_EF20	PL_EF21	PL_EF22	PL_EF23	PL_EF24	
ALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
F19C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
F28	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

\*\*\* ISCST3 - VERSION 96113 \*\*\* \*\* TKO Area 137  
 04/16/02  
 \*\*\* NO2\_Daily  
 \*\*\* 21:52:54  
 PAGE 2

\*\*MODELOFTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM  
 \* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY \*

GROUP ID	PL_EF7	PL_EF8	PL_EF9	PL_EF10	PL_EF11	PL_EF12	PL_EF13	PL_EF14	PL_EF15	PL_EF16	PL_EF17	PL_EF18	PL_EF19	PL_EF20	PL_EF21	PL_EF22	PL_EF23	PL_EF24	
ALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
F19C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
F28	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

\*\*\* ISCST3 - VERSION 96113 \*\*\* \*\* TKO Area 137  
 04/16/02  
 \*\*\* NO2\_Daily  
 \*\*\* 21:52:54  
 PAGE 3

\*\*MODELOFTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM  
 \* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY \*

GROUP ID	PL_EF7	PL_EF8	PL_EF9	PL_EF10	PL_EF11	PL_EF12	PL_EF13	PL_EF14	PL_EF15	PL_EF16	PL_EF17	PL_EF18	PL_EF19	PL_EF20	PL_EF21	PL_EF22	PL_EF23	PL_EF24	
ALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
F19C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
F28	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

\*\*Model Calculates 1 Short Term Average(s) of: 24-HR  
 \*\*This Run Includes: 29 Source(s); 1 Source Group(s); and 96 Receptor(s)  
 \*\*The Model Assumes A Pollutant Type of: NO2  
 \*\*Model Set To Continue Running After the Setup Testing.  
 \*\*Output Options Selected:  
 Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)  
 \*\*Misc. Inputs: Anem. Hgt. (m) = 51.60 ; Decay Coef. = .0000 ; Rot. Angle = .0  
 Emission Units = GRAMS/SEC  
 Output Units = MICROGRAMS/M\*\*3  
 \*\*Input Runstream File: C:\TKO137\ISCST\NO2-D.LST  
 \*\*\* ISCST3 - VERSION 96113 \*\*\* \*\* TKO Area 137  
 04/16/02  
 \*\*\* NO2\_Daily  
 \*\*\* 21:52:54  
 PAGE 2

\*\*MODELOFTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM  
 \* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY \*

GROUP ID	PL_EF7	PL_EF8	PL_EF9	PL_EF10	PL_EF11	PL_EF12	PL_EF13	PL_EF14	PL_EF15	PL_EF16	PL_EF17	PL_EF18	PL_EF19	PL_EF20	PL_EF21	PL_EF22	PL_EF23	PL_EF24	
ALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
F19C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
F28	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

\*\*\* ISCST3 - VERSION 96113 \*\*\* \*\* TKO Area 137  
 04/16/02  
 \*\*\* NO2\_Daily  
 \*\*\* 21:52:54  
 PAGE 3

\*\*MODELOFTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM  
 \* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY \*

GROUP ID	PL_EF7	PL_EF8	PL_EF9	PL_EF10	PL_EF11	PL_EF12	PL_EF13	PL_EF14	PL_EF15	PL_EF16	PL_EF17	PL_EF18	PL_EF19	PL_EF20	PL_EF21	PL_EF22	PL_EF23	PL_EF24	
ALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
F19C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
F28	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

\*\*\* ISCST3 - VERSION 96113 \*\*\* \*\* TKO Area 137  
 04/16/02  
 \*\*\* NO2\_Daily  
 \*\*\* 21:52:54  
 PAGE 3

\*\*MODELOFTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM  
 \* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY \*

GROUP ID	PL_EF7	PL_EF8	PL_EF9	PL_EF10	PL_EF11	PL_EF12	PL_EF13	PL_EF14	PL_EF15	PL_EF16	PL_EF17	PL_EF18	PL_EF19	PL_EF20	PL_EF21	PL_EF22	PL_EF23	PL_EF24	
ALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
F19C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
F28	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19





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,

\*\*\* WIND PROFILE EXPONENTS \*\*\*
1.54, 3.09, 5.14, 8.23, 10.80,

Table with columns for STABILITY CATEGORY (A-F), WIND SPEED CATEGORY (1-6), and values ranging from .15000E+00 to .30000E+00.

\*\*\* VERTICAL POTENTIAL TEMPERATURE GRADIENTS \*\*\*
(DEGREES KELVIN PER METER)

Table with columns for STABILITY CATEGORY (A-F), WIND SPEED CATEGORY (1-6), and values ranging from .00000E+00 to .35000E-01.

\*\*\* ISCS33 - VERSION 96113 \*\*\* TKO Area 137
04/16/02 \*\*\* NO2\_Daily \*\*\*

\*\*MODELOPTS: CONC URRAM ELEV FLGPOL GRDRIS NOCALM

\*\*\* THE FIRST 24 HOURS OF METEOROLOGICAL DATA \*\*\*
FILE: C:\TKO137\ISCS33\JFKB2000.BIN
SURFACE STATION NO.: 92001
NAME: UNKNOWN
YEAR: 2000
FORMAT: UNFORM
UPPER AIR STATION NO.: 111
NAME: UNKNOWN
YEAR: 2000

Table with columns for PRATE (mm/HR), YEAR, MONTH, DAY, HOUR, VECTOR (M/S), FLOW SPEED TEMP, STAB MIXING HEIGHT (M), CLASS, RURAL, URBAN, USTAR M-O LENGTH, Z-O I-PCODE.

ISCS33-NO2\_Daily
\*\*\* ISCS33 - VERSION 96113 \*\*\* TKO Area 137
04/16/02 \*\*\* NO2\_Daily \*\*\*

\*\*MODELOPTS: CONC URRAM ELEV FLGPOL GRDRIS NOCALM
\*\*\* METEOROLOGICAL DAYS SELECTED FOR PROCESSING \*\*\*
(1=YES; 0=NO)
\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*
(X-COORD, Y-COORD, Z-ELEV, ZFLAG)

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 0 1 1 1
AND END DATE: 0 12 31 24

```

0 1 1 14 359.0 2.06 293.2 3 1139.0 1139.0 .0000 0 .0000 0 .95934 ( 72224) 845452.10 819397.50 .96454 (
.00 0 1 1 15 12.0 2.06 292.6 3 1139.0 1139.0 .0000 0 .0000 0 1.12709 ( 72224) 845510.60 818838.40 1.12738 (
.00 0 1 1 16 44.0 1.00 292.0 3 1139.0 1139.0 .0000 0 .0000 0 1.12805 ( 72224) 845510.60 818838.40 1.13121 (
.00 0 1 1 17 21.0 1.00 290.9 3 1139.0 1139.0 .0000 0 .0000 0 1.13646 ( 72224) 845510.60 818838.40 1.14377 (
.00 0 1 1 18 147.0 1.00 290.9 4 1156.5 1156.5 .0000 0 .0000 0 1.16163 ( 72224) 845562.30 818706.60 1.16194 (
.00 0 1 1 19 174.0 1.00 290.4 5 1183.5 898.3 .0000 0 .0000 0 1.16265 ( 72224) 845562.30 818706.60 1.16562 (
.00 0 1 1 20 177.0 1.00 290.4 6 1210.4 752.2 .0000 0 .0000 0 1.17160 ( 72224) 845562.30 818706.60 1.17938 (
.00 0 1 1 21 180.0 1.00 290.4 7 1237.4 606.2 .0000 0 .0000 0 2.73355 ( 61024) 846260.00 816866.20 2.73658 (
.00 0 1 1 22 172.0 1.03 290.4 7 1264.4 460.1 .0000 0 .0000 0 2.74376 ( 61024) 846260.00 816866.20 2.77727 (
.00 0 1 1 23 180.0 1.00 290.4 7 1291.4 314.1 .0000 0 .0000 0 2.83260 ( 61024) 846260.00 816866.20 2.90894 (
.00 0 1 1 24 150.0 1.00 289.8 7 1318.3 168.0 .0000 0 .0000 0 1.77447 ( 60424) 846321.10 815898.20 1.77775 (

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*** 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 96113 *** *** TKO Area 137 *** 21:52:54
04/16/02 *** NO2_Daily *** PAGE 14
***
**MODELOPTS: CONC URBAN ELEV FLGPOL GRDRIS NOCNLM
*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): P1_EP7 , P1_EP8 , P1_EP9 , P1_EP13 , P1_EP14 , CHIMNEY1,
CHIMNEY2,
HARCO , F19A , F19B , F19C , F20A , F20B , F20C , F20D , F21A , F23A , F23B ,
F25 , F26A , F26B , F26C , F27 , F28 , F29A , F29B , F29C , F30A , F30B ,
*** DISCRETE CARTESIAN RECEPTOR POINTS ***
** CONC OF NO2 IN MICROGRAMS/M**3
X-COORD (M) Y-COORD (M) CONC (YMWDDHH) X-COORD (M) Y-COORD (M) CONC
100224) 845063.20 819671.30 .78812 ( 100224) 845063.20 819671.30 .78817 (
100224) 845063.20 819671.30 .78830 ( 100224) 845063.20 819671.30 .78888 (
100224) 845063.20 819671.30 .78985 ( 100224) 845063.20 819671.30 .79119 (
100224) 845076.00 819625.60 .79223 ( 100224) 845076.00 819625.60 .79229 (
100224) 845076.00 819625.60 .79241 ( 100224) 845076.00 819625.60 .79302 (
100224) 845076.00 819625.60 .79402 ( 100224) 845076.00 819625.60 .79541 (
60424) 845162.40 819546.80 .84863 ( 60424) 845162.40 819546.80 .84892 (
60424) 845162.40 819546.80 .84962 ( 60424) 845162.40 819546.80 .85291 (
60424) 845162.40 819546.80 .85836 ( 60424) 845162.40 819546.80 .86597 (
60424) 845220.80 819437.40 .86839 ( 60424) 845220.80 819437.40 .86871 (
60424) 845220.80 819437.40 .86949 ( 60424) 845220.80 819437.40 .87310 (
60424) 845220.80 819437.40 .87911 ( 60424) 845220.80 819437.40 .88748 (
60424) 845294.00 819402.10 .92042 ( 60424) 845294.00 819402.10 .92076 (
60424) 845294.00 819402.10 .92156 ( 60424) 845294.00 819402.10 .92533 (
60424) 845294.00 819402.10 .93159 ( 60424) 845294.00 819402.10 .94032 (
60424) 845452.10 819397.50 .95269 ( 72224) 845452.10 819397.50 .95289 (
72224) 845452.10 819397.50 .95337 ( 72224) 845452.10 819397.50 .95561 (
72224)

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ISCST-NO2_Daily
*** NO2_Daily ***
*** TKO Area 137 ***
*** DISCRETE CARTESIAN RECEPTOR POINTS ***
** CONC OF NO2 IN MICROGRAMS/M**3
X-COORD (M) Y-COORD (M) CONC (YMWDDHH) X-COORD (M) Y-COORD (M) CONC
846301.50 817660.80 3.22155 ( 82424) 846301.50 817660.80 3.23247 (
846321.10 815898.20 1.78555 ( 60424) 846321.10 815898.20 1.82245 (
846321.10 815898.20 1.88522 ( 60424) 846321.10 815898.20 1.97548 (
846291.90 815812.20 1.64717 ( 60424) 846291.90 815812.20 1.65196 (
846291.90 815812.20 1.66332 ( 60424) 846291.90 815812.20 1.71677 (
846291.90 815812.20 1.80664 ( 60424) 846291.90 815812.20 1.93418 (
846230.00 815493.00 1.80674 ( 91324) 846230.00 815493.00 1.81131 (
846230.00 815493.00 1.82217 ( 91324) 846230.00 815493.00 1.87361 (
846230.00 815493.00 1.96118 ( 91324) 846230.00 815493.00 2.08722 (
845642.40 818697.20 1.18073 ( 72224) 845642.40 818697.20 1.18099 (
845642.40 818697.20 1.18160 ( 72224) 845642.40 818697.20 1.18446 (
845642.40 818697.20 1.18921 ( 72224) 845642.40 818697.20 1.19583 (
846301.50 817660.80 3.22155 ( 82424) 846301.50 817660.80 3.23247 (

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*** ISCST3 - VERSION 96113 *** *** TKO Area 137 *** 21:52:54
04/16/02 *** NO2_Daily *** PAGE 15
**MODELOPTS: CONC URBAN ELEV FLGPOL GRDRIS NOCNLM
*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): P1_EP7 , P1_EP8 , P1_EP9 , P1_EP13 , P1_EP14 , CHIMNEY1,
CHIMNEY2,
HARCO , F19A , F19B , F19C , F20A , F20B , F20C , F20D , F21A , F23A , F23B ,
F25 , F26A , F26B , F26C , F27 , F28 , F29A , F29B , F29C , F30A , F30B ,
*** DISCRETE CARTESIAN RECEPTOR POINTS ***
** CONC OF NO2 IN MICROGRAMS/M**3
X-COORD (M) Y-COORD (M) CONC (YMWDDHH) X-COORD (M) Y-COORD (M) CONC
846301.50 817660.80 3.25735 ( 82424) 846301.50 817660.80 3.35489 (
846301.50 817660.80 3.44963 ( 82424) 846301.50 817660.80 3.55771 (
846100.20 817568.20 3.54009 ( 112824) 846100.20 817568.20 3.63457 (
846100.20 817568.20 3.84054 ( 112824) 846100.20 817568.20 4.48713 (
846100.20 817568.20 4.64307 ( 112824) 846100.20 817568.20 5.04161 (
846181.60 817238.10 2.90282 ( 61024) 846181.60 817238.10 2.90588 (
846181.60 817238.10 2.91311 ( 61024) 846181.60 817238.10 2.94678 (
846181.60 817238.10 3.00193 ( 61024) 846181.60 817238.10 3.07712 (

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\*\*\* ISCST3 - VERSION 96113 \*\*\* \*\*\* TKO Area 137 \*\*\*  
 04/16/02 \*\*\* NO2\_Daily \*\*\* 21:52:54  
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\*\*MODELOPTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM  
 \*\*\* THE SUMMARY OF HIGHEST 24-HR RESULTS \*\*\*

\*\* CONC OF NO2 IN MICROGRAMS/M\*\*3 \*\*  
 NETWORK  
 OF TYPE  
 -----  
 GROUP ID AVERAGE CONC DATE RECEPTOR (XR, YR, ZELEV, ZFLAG) NETWORK  
 GRID-ID (YYMMDDHH) OF TYPE  
 -----  
 ALL HIGH 1ST HIGH VALUE IS 5.04161 ON 121424: AT ( 846100.20, 817568.20, 6.50, 20.00) DC  
 NA

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

\*\*\* ISCST3 - VERSION 96113 \*\*\* \*\*\* TKO Area 137 \*\*\*  
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\*\*MODELOPTS: CONC URBAN ELEV FLGPOL GRDRIS NOCALM

\*\*\* Message Summary : ISCST3 Model Execution \*\*\*  
 ----- Summary of Total Messages -----  
 A Total of 0 Fatal Error Message(s)  
 A Total of 1 Warning Message(s)  
 A Total of 596 Informational Message(s)  
 A Total of 596 Calm Hours Identified

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
 CO W205 11 FLAGDP:No Option Parameter Setting. Forced by Default to ZFLAG=0.  
 \*\*\*\*\* ISCST3 Finishes Successfully \*\*\*\*\*